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2026.04

TORKOOL 探戈工具

综合样册

版本VERSION-A

SOLID ROUND TOOLS/SPILIT DRILLS/GUIDE PAD TOOLS/INDEXABLE TOOLS/CLAMPING TOOLS

TORKOOL
Discovering Possibilities

TORKOOL

Discovering Possibilties

DISCOVERING POSSIBILITIES

探索无限可能

探

意为探索真理

追寻星位之意

戈

既为刃器

至戈而无往不利

却不能意由诸使

探为思索之态

戈为砥砺之自信

何为戈？

遇阻而游刃有余

遇挫而紧齿醒觉

探吾辈之星意

戈吾辈之劣迹

上下而求索之态势

唯融之洽，融之合，融之幸

探戈工具



欢迎加入TORKOAL TOOLS的合作

高品质集成工具供应商 = 研发 × 品控 × 服务

探戈工具——一家以研发设计为核心的生产贸易集成企业

旨在拓展探戈的全球化布局，我们以为全球制造业提供经济与品质共存的产品为己任，我们提供产品研发、生产和销售、产业咨询、产品及原料采购、资源整合等综合服务。
我们的产品适用汽车零件、发动机、柴油机、叶轮、阀门、摩托车、压缩机、微电子、飞机制造等行业的机械加工制造领域。

我们为满足不同客户对不同加工工况的需求，我们拥有完整的试切工坊，为新产品提供更完整的售前测试服务，目的是提供给客户更详尽的切削推荐参数。

为出厂前提供给客户符合国际标准的产品，我们拥有质量检测中心、产品研发中心，引进行业一流的自动化生产线以及先进的检测设备，并建立了完善的ERP管理系统及品质管理制度。

探索专业领域的未知，就像人类探索火星
我们期待占领未知之地，就像人类期待踏上火星

Welcome To Cooperate With Torkoal Tools

HIGH QUALITY INTEGRATED TOOL SUPPLIER = DD × QC × SVC

DISCOVERY DEVELOPMENT / QUALITY CONTROL / SERVICE

Torkoal tools is a production and trade integration enterprise with research and development design at its core.

Aiming to expand the global layout, we are responsible for providing economical and quality products for the worldwide manufacturing industry. We provide comprehensive services such as product research and development, production and sales, industry consulting, product and raw material procurement, and resource integration. Our products are suitable for mechanical processing and manufacturing in industries such as automotive parts, regular engines, diesel engines, impellers, valves, motorcycles, compressors, microelectronics, and aircraft manufacturing.

To meet the customers' requirements for different processing conditions, we have a complete trial cutting workshop and provide more complete pre-sales testing services for new products, aiming to provide customers with more detailed cutting recommended parameters.

We provide customers with products that meet international standards before leaving the factory; we have a quality testing center and a product research and development center, introduce industry-leading automated production lines and advanced testing equipment, and establish a comprehensive ERP management system and quality management system.

Discovery Posibilities,
Occupy Unkown Area, Occupy Mars

■ **不等分割**
Unequal Flutes



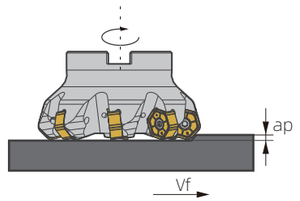
不等分铣刀
TORKOAL-unequal cutter

一般等分铣刀
General aliquots cutter

■ **出色抗振**
Outstanding Anti-vibration



■ **有效降低阻力**
Efficiently Reduce Cutting Force



它可达到一般刀盘无法达到的高效能切削。
不等分割和不等螺旋槽设计具有抑振和减振的作用。
能有效提高加工效率和降低刀具损耗，同时提升工件表面光洁度。

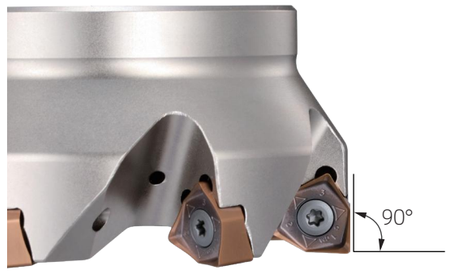
It can achieve high-efficiency cutting that ordinary cutterheads cannot achieve.
Unequal segmentation and unequal spiral flute design have the effects of eliminate and reduct vibration. It can effectively improve machining efficiency and reduce the insert edge wear, while improving the surface smoothness of the workpiece.

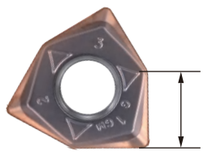
可转位铣刀 Indexable Milling Cutter

WN90 方肩面铣刀盘
Square Shoulder Face Milling Cutter

Kr=90°
标准规格直径50-250mm
刀片材质选项丰富 P M K S H

Kr=90°
Standard diameter: 50-250mm
More options for inserts P M K S H





最大切深
8mm



加工案例

机床：立加
被加工材料：45号钢
被加工材料硬度：HB180
刀盘规格：WN90C160-08M10
铣刀片：WNGU080608N-GM FP5225
切削速度Vc：140m/min (280r/min)
进给速度Fz：0.15mm (Vf=420mm/min)
切深Ap：2.5mm
切宽Ae：130mm
冷却方式：气冷

Machining Case

Vertical machine
Processed material: 45# steel
Material hardness: HB180
Speciafication of mill:
WN90C160-08M10
Insert: WNGU080608N-GM FP5225
Cutting rate(Vc): 140m/min (280r/min)
Feed(Fz): 0.15mm (Vf=420mm/min)
Cutting depth(Ap): 2.5mm
Cutting width(Ae): 130mm
Coolant method: Air-cooled

WN90°方肩面铣刀盘
Type-WN90° Square Face Milling Cutter

■6个切削刃提供更好的经济性；
■刀片材质可覆盖铸铁、钢件、不锈钢和难加工材料的广域应用；
■刀体与刀片的优秀配合度可实现接近于90°的完美垂直；
■可满足面铣、台阶铣、槽铣或垂直加工的多领域应用；
■大前角设计与动态斜面实现低阻力、低振感，有效提高被加工面表面质量。

■6 cutting edges achieve better machining economy.
■Insert has wide-area applications which is suitable for machining cast iron, steel, stainless steel and difficult-to-machine materials.
■Excellent matching of cutter body and insert is close to perfect 90 degree vertical.
■A variety of machining areas is feasible including surface, step, groove and vertical milling.
■The design of large front angle and dynamic slope provides low resistance and vibration during machining. The roughness of workpiece surface is also improved.

WN90 方肩面铣刀盘 Square Shoulder Face Milling Cutter

实测对比：角度差异 Contrast Experiment：Angle Deviation

检测设备：德国ZOLLER对刀仪
Testing Equipment: Tool Presetting and Measuring Machine from ZOLLER, Germany

TORKOAL-WN



图1

竞品Other brand MFWN-1

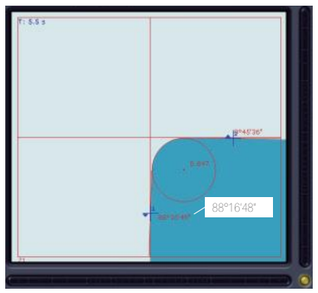


图2

竞品Other brand MFWN-2

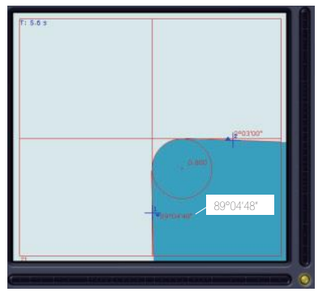


图3

市面上多数刀体制作因为要兼顾不同来源的刀片，因此难以避免出现图2图3的角度偏摆问题；而TORKOAL刀体以TORKOAL刀片为基准，使得安装配合结果如图1所示，可达到近乎完美的90度设计初衷。

Most insert bodies on the market require consideration of inserts from different sources, making it difficult to avoid the problem of angle deviation as shown in Figures 2 and 3.
Torkoal insert body is based on our own made insert mold, making the installation and fitting result as shown in Figure 1: it can achieve almost perfect 90°design intention.

实测对比：粗糙度差异 Contrast Experiment：Surface Roughness

刀片：WNGU080608N-GM FP5224
切削速度Vc：200m/min
进给速度Fz：0.1mm
切深Ap：1.2mm
切宽Ae：40mm

Insert：WNGU080608N-GM FP5224
Cutting speed(Vc)：200m/min
Feed rate(Fz)：0.1mm
Cutting depth(Ap)：1.2mm
Cutting width(Ae)：40mm

TORKOAL-WN



图1

竞品Other brand MFWN

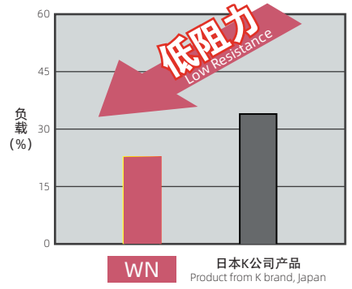


图2

鉴于TORKOAL对刀盘周跳与端跳的精度管控，使得在同样切削条件下产生的粗糙度表现更为优秀。
Better roughness result received under the same cutting conditions due to TORKOAL precision control of the run-out.

应用实例 / Application Example

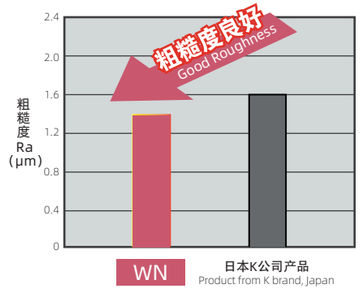
切削负载对比
Comparison of cutting load capacity



被加工材料：QT500
使用刀具：WN90A080-08M05（Φ80）
切削速度Vc：160m/min
进给速度Fz：0.13mm
切深Ap：2.0mm

Machined material: QT500
Tool: WN90A080-08M05（Φ80）
Cutting speed(Vc): 160m/min
Feed rate(Fz): 0.13mm
Cutting depth(Ap): 2.0mm

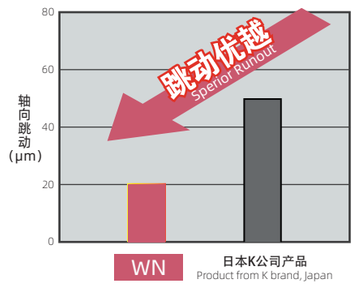
精加工表面粗糙度对比
Comparison of surface roughness after finish machining



被加工材料：42CrMo
使用刀具：WN90A050-08H04（Φ50）
切削速度Vc：200m/min
进给速度Fz：0.1mm
切深Ap：0.3mm

Machined material: 42CrMo
Tool: WN90A050-08H04 (Φ50)
Cutting speed(Vc): 200m/min
Feed rate(Fz): 0.1mm
Cutting depth(Ap): 0.3mm

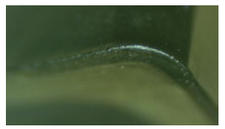
安装刀片后的轴向跳动对比
Comparison of axial runout after installing the insert



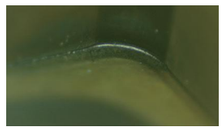
使用刀具：WN90A080-08M05（Φ80）
刃数：5
Tool: WN90A080-08M05 (Φ80)
Teeth: 5

QT500 块状毛坯/The Massive Blank Workpiece

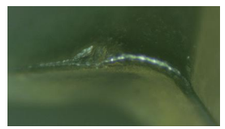
切削距离/Cutting distance：8.43m



FP5225



FP5224



日本K公司产品
Product from K brand, Japan

采用细颗粒度的基体，刃口通过微润滑处理工艺，实现稳定的抗冲击性。
Keep stable impact resistance by high density insert and the cutting edge with micro-lubrication treatment.

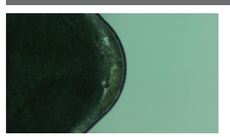
使用刀具/Tool Type

铣刀盘：WN90A080-08M05
刀片：WNGU080608N-GM(FP5225/FP5224)
切削速度Vc：160m/min
进给速度Fz：0.13mm
切深Ap：2.0mm
切宽Ae：60.0mm

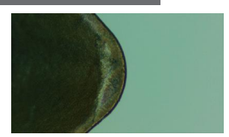
Face milling cutter: WN90A080-08M05
Insert: WNGU080608N-GM(FP5225/FP5224)
Cutting speed(Vc): 160m/min
Feed rate(Fz): 0.13mm
Cutting depth(Ap): 2.0mm
Cutting width(Ae): 60.0mm

42CrMo 机械零件 Mechanical Parts

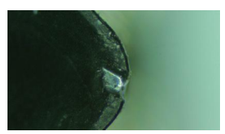
切削距离/Cutting distance：19.8m



FP5225



FP5224



日本K公司产品
Product from K brand, Japan

通过高硬度且耐氧化性能优异的PVD纳米涂层，实现稳定的耐磨性。
Keep stable wear resistance by PVD nano coating with high hardness and excellent resistance to oxidation.

使用刀具/Tool Type

铣刀盘：WN90A050-08H04
刀片：WNMU080608N-GM(FP5225/FP5224)
切削速度Vc：201m/min
进给速度Fz：0.29mm
切深Ap：0.3mm
切宽Ae：30.0mm

Face milling cutter: WN90A050-08H04
Insert: WNMU080608N-GM(FP5225/FP5224)
Cutting speed(Vc): 201m/min
Feed rate(Fz): 0.29mm
Cutting depth(Ap): 0.3mm
Cutting width(Ae): 30.0mm

HN45

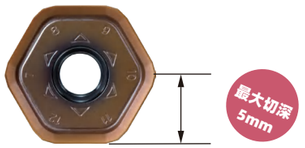
HN45°面铣刀
Type-HN45° Face Milling Cutter

Kr=45°
12刀尖=经济性与切深的绝佳融合
标准规格直径50-315mm
刀片材质选项 P M K S H

Kr=45°
12-edges insert,superb combination of economy and cutting depth
diameter: 50-315mm
Options for inserts P M K S H







加工案例

机床：立加
被加工材料：HT300
被加工材料硬度：HB200
刀盘规格：HN45B125-09M08
铣刀片：HNMX0907ANSN-R FP5225
切削速度Vc：240m/min（600r/min）
进给速度Fz：0.15mm (Vf=720mm/min)
切深Ap：1.5mm
切宽Ae：80mm
冷却方式：水冷

Machining Case

Vertical machine
Processed material: HT300
Materal hardness: HB200
Speciafication of mill:
HN45B125-09M08
Insert: HNMX0907ANSN-R FP5225
Cutting rate(Vc): 240m/min (600r/min)
Feed(Fz): 0.15mm (Vf=720mm/min)
Cutting depth(Ap): 1.5mm
Cutting width(Ae): 80mm
Coolant method: Water-cooled

HN45°面铣刀
Type- HN45° Milling Cutter

■动态斜面设计实现低阻力、低振感，有效提高粗加工进给速度、并保障良好的表面粗糙度；
■加厚的刀片设计使得抗崩刃性更卓越，刀锋尖端厚度7mm，最薄部位也确保5mm厚度，最大切深5mm；
■双面12刀尖提供优秀经济性。

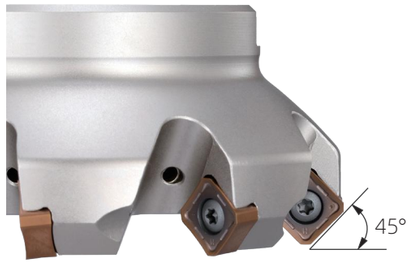
■The dynamic slope design is easy for cutting with low vibration and high speed. Effectively improved surface roughness of the workpiece.
■Thickened insert design enhances tool edge chipping resistance perf ormance. The thickness of the insert tip is 7mm, and the thinnest part also ensures a thickness of 5mm, with a maximum cutting depth of 5mm.
■Double faces with 12 teeth are more economical and practical.

SN45

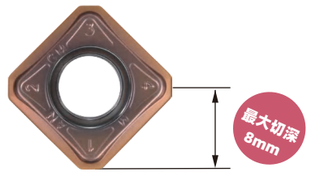
SN45°面铣刀
Type-SN45° Face Milling Cutter

Kr=45°
标准规格直径50-200mm
刀片材质选项 P M K S H

Kr=45°
Standard diameter: 50-200mm
Options for inserts P M K S H







加工案例

机床：立加
被加工材料：45号钢
被加工材料硬度：HB180
刀盘规格：SN45B125-12M12
铣刀片：SNMX1205ANN-GM FP5224
切削速度Vc：200m/min (500r/min)
进给速度Fz：0.2mm (Vf=1000mm/min)
切深Ap：2mm
切宽Ae：50mm
冷却方式：水冷

Machining Case

Vertical machine
Processed material: 45# steel
Material hardness: HB180
Speciafication of mill:
SN45B125-12M12
Insert: SNMX1205ANN-GM FP5224
Cutting rate(Vc): 200m/min (500r/min)
Feed(Fz): 0.2mm (Vf=1000mm/min)
Cutting depth(Ap): 2mm
Cutting width(Ae): 50mm
Coolant method: Air-cooled

SN45°面铣刀
Type- SN45° Milling Cutter

■平滑前角，更低切削阻力，有效提高粗加工进给速度、并保障良好的表面粗糙度；
■动态侧刃，更高抗冲击性，有效提高使用寿命和安全性；
■负角结构，提供更好的产品经济性，最大程度利用材料。

■Smooth rake angle, lower cutting resistance. Effectively improved surface roughness of the workpiece.
■Dynamic side edge, higher impact resistance, effectively improve service life and safety.
■Negative angle construction for better product economy and maximum material utilization.

总目录 INDEX

A SOLID ROUND TOOLS 整体圆柄刀具 — AA001-AE027

AA	Carbide Drill 整体硬质合金标准钻头	AA001-085
AB	Carbide Micro Drill 整体硬质合金微钻	AB001-017
AC	Carbide End Mill 整体硬质合金标准立铣刀	AC001-061
AD	Carbide Thread Milling Cutter 整体硬质合金螺纹铣刀	AD001-011
AE	Reamer 铰刀	AE001-027

B SPLIT DRILL 分体式钻头 — BA001-BE025

BA	IDPL Back Pull Drill IDPL后拉式皇冠钻	BA001-024
BB	IDSL Self-locking Drill IDSL自锁式皇冠钻	BB001-038
BD	IDSD Double Hole Spade Drill IDSD双孔锁紧铲钻	BD001-015
BE	DILD High Speed Drill DILD浅孔钻	BE001-025

C GUIDE PAD TOOLS 导条刀具 — CA001-CC006

CA	EMC Carbide Gun Drill 硬质合金枪钻	CA001-008
CB	EDW Brazed Gun Drill 硬质合金焊接枪钻	CB001-009
CC	EQ Indexable Gun Drill 舍弃式枪钻	CC001-006

D INDEXABLE TOOL 可转位刀具 — DA001-DG044

DA	Turning Insert 车削刀片	DA001-053
DB	Milling Insert 铣削刀片	DB001-027
DC	Threading Insert 螺纹刀片	DC001-015
DD	Grooving Insert 切槽切断刀片	DD001-006
DE	Drilling Insert 钻削刀片	DE001-010
DF	Turning Holder 车刀体	DF001-108
DG	Milling Holder 铣刀体	DG001-044

E TOOL CLAMPING 刀具夹持 — EA001-EZ007

EA	BMT Holders BMT刀座	EA001-007
EB	VDI Holders VDI刀座	EB001-025
EC	PSC Holders PSC刀柄	EC001-014
ED	HSK Holders HSK刀柄	ED001-013
EE	BT Holders BT刀柄	EE001-015
EF	SK Holders SK刀柄	EF001-013
EG	CAT Holders CAT刀柄	EG001-013
EI	Extension Bar 延长杆	EI001-005
EO	Intermediate Sleeves 变径套	EO001-009
EZ	Pull Studs 拉钉/配件	EZ001-007

Z TECHNICAL DATA 技术资料 — Z001-014

AA

CARBIDE DRILL
整体硬质合金标准钻头

Nomenclature
命名规则 **AA003-003**

Selection Chart
选型基准表 **AA005-006**

Type-RP For General Machining
RP 通用钻头 **AA007-024**

Type-SP For General Machining
SP 通用钻头 **AA025-042**

Type-NP Flat Drills For General Machining
NP 通用平底钻头 **AA043-050**

Type-SK With Internal Coolant For Cast Iron
SK内冷铸铁钻头 **AA051-058**

Type-SN Drills Of Non-ferrous Metals
SN有色金属钻头 **AA059-076**

Type-LSPO Small-diameter Deep Hole Drills With Internal Coolant
LSPO小径内冷深孔钻 **AA077-077**

Type-LSPO Deep Hole Drills With Internal Coolant
LSPO内冷深孔钻 **AA078-079**

Type-LSMO Deep Hole Drills With Internal Coolant Of Stainless Steel
LSMO不锈钢内冷深孔钻 **AA080-081**

Type-XSPO Pilot Drills
XSPO底孔钻 **AA082-082**

Recommended Table Of Processing Parameters
加工参数推荐表 **AA083-084**

硬质合金钻头 Carbide Drill

硬质合金钻头命名规则
Solid Carbide Drill Nomenclature

型号说明 Model Description							
第一位类别说明 First Category Description		第二位钻尖造型 Second Letter Drill Point Structure		第三位基材类别 Third Letter Base Material Category		第四位冷却技术 Fourth Cooling Technology	
C	经济型 Economic Type	R	双弧面 Double Camber	P	钢系 Steel	E	外冷 External Cooling
L	深孔钻 Long Drill	S	四平面 Four Planes	K	铸铁系 Cast Iron	O	内冷 Internal Cooling
X	底孔钻 Pilot Drill	N	平底钻 Flat Drill	M	不锈钢系 Stainless Steel	Q	微量冷却 Micro Cooling
				S	耐热合金 Heat-resisting Alloy	A	精准冷却 Accuracy Cooling
				H	淬火料 Quenching Material		
				N	有色金属 Non-ferrous Metal		
				O	复合材料 Combined Material		

倍径说明 Time-diameter Description	
第一位 first	第二位 second
十位数 tens digit	个位数 single digits

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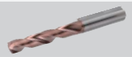
尺寸说明 Size Description			
第一位 First	第二位 Second	第三位 Third	第四位 Fourth
十位数 Tens Digit	个位数 Single Digits	小数点第一位 First Decimal Place	小数点第二位 Second Decimal Place

特别说明 Special Description							
第一位 类别 First Catagory		第二位 Second		第三位 Third		第四位 Fourth	
A	标准品 Standard	特定识别码 Specification Type		特定识别码 Specification Type		特定识别码 Specification Type	
B	非标品 Non-standard						

硬质合金钻头 Carbide Drill

钻头选型基准表 Drills Selection Chart

工件材料 Work Piece

名称 Name	型号 Specification	图样 Pattern	描述 Describe	涂层 Coating	规格范围 Size Range	
					Dmin	Dmax
硬质合金钻头 Carbide Drills	RPE-03		RP通用钻头（3D） Type-RP For General Machining (3D)	Si	3mm	20mm
	RPE-05		RP通用钻头（5D） Type-RP For General Machining (5D)	Si	3mm	20mm
	RPO-03		RP通用内冷钻头（3D） Type-RP With Internal Coolant For General Machining (3D)	Si	3mm	20mm
	RPO-05		RP通用内冷钻头（5D） Type-RP With Internal Coolant For General Machining (5D)	Si	3mm	20mm
	RPO-07		RP通用内冷钻头（7D） Type-RP With Internal Coolant For General Machining (7D)	Si	3mm	20mm
	SPE-03		SP通用钻头（3D） Type-SP For General Machining (3D)	Ti	3mm	20mm
	SPE-05		SP通用钻头（5D） Type-SP For General Machining (5D)	Ti	3mm	20mm
	SPO-03		SP通用内冷钻头（3D） Type-SP With Internal Coolant For General Machining (3D)	Ti	3mm	20mm
	SPO-05		SP通用内冷钻头（5D） Type-SP With Internal Coolant For General Machining (5D)	Ti	3mm	20mm
	SPO-07		SP通用内冷钻头（7D） Type-SP With Internal Coolant For General Machining (7D)	Ti	3mm	20mm
	NPE-03		NP通用平底钻头（3D） Type-NP Flat Drills For General Machining (3D)	Ti	3mm	20mm
	NPE-05		NP通用平底钻头（5D） Type-NP Flat Drills For General Machining (5D)	Ti	3mm	20mm
	SKO-03		SK内冷铸铁钻头（3D） Type-SK With Internal Coolant For Cast Iron (3D)	Ti	3mm	20mm
	SKO-05		SK内冷铸铁钻头（5D） Type-SK With Internal Coolant For Cast Iron (5D)	Ti	3mm	20mm
	SNE-03		SN有色金属钻头（3D） Type-SN Drills Of Non-ferrous Metals (3D)	-	3mm	20mm
	SNE-05		SN有色金属钻头（5D） Type-SN Drills Of Non-ferrous Metals (5D)	-	3mm	20mm
	SNO-03		SN有色金属内冷钻头（3D） Type-SN Drills With Internal Coolant Of Non-ferrous Metals (3D)	-	3mm	20mm
	SNO-05		SN有色金属内冷钻头（5D） Type-SN Drills With Internal Coolant Of Non-ferrous Metals (5D)	-	3mm	20mm
	SNO-07		SN有色金属内冷钻头（7D） Type-SN Drills With Internal Coolant Of Non-ferrous Metals (7D)	-	3mm	20mm
	LSPO-08~30		LSPO小径内冷深孔钻 Type-LSPO Small-diameter Deep Hole Drills With Internal Coolant	Ti	1mm	2.9mm
	LSPO-08~30		LSPO内冷深孔钻 Type-LSPO Deep Hole Drills With Internal Coolant	Ti	3mm	12mm
	LSMO-10~40		LSMO不锈钢内冷深孔钻 Type-LSMO Deep Hole Drills With Internal Coolant Of Stainless Steel	Cr	3mm	12mm
	XSPO-03		XSPO底孔钻 Type-XSPO Pilot Drills	Si	1mm	12mm

钻头选型基准表 Drills Selection Chart

工件材料 Work Piece

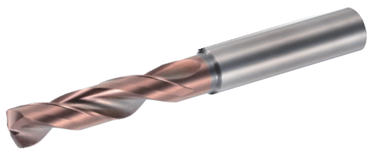
碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium alloy	铸铁 Cast iron	不锈钢 Stainless steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy
C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%
■	■	■	◆	◆	□	□				■				
■	■	■	◆	◆	□	□				■				
■	■	■	◆	◆	□	□				■				
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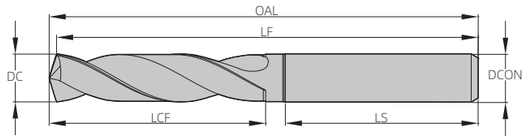
适用：■最佳 ◆适用 □能用

Suit: ■Excellent ◆Good □OK

硬质合金钻头 Carbide Drill

RPE-03 RP通用钻头（3D）
Type-RP For General Machining (3D)





1.切削参数请参考AA083
2.单位：mm

1.Please refer to AA083 for cutting parameters.
2.Unit：mm

■RP系列钻头采用双弧面钻尖设计和复合涂层；
■兼顾高强度和流畅排屑，应对碳钢、合金钢、铸铁等多用途场合。

■The RP series drill adopt double curved drill tips and composite coatings;
■It successfully combined High strength and fluency filings removal, suitable for carbon steel, alloy steel, cast iron and other multipurpose applications.



型号 Specification	DC	DCON	LCF	OAL	LS	LF
RPE-030003	3.0	6	20	62	36	61.3
RPE-031003	3.1	6	20	62	36	61.3
RPE-032003	3.2	6	20	62	36	61.3
RPE-033003	3.3	6	20	62	36	61.3
RPE-034003	3.4	6	20	62	36	61.3
RPE-035003	3.5	6	20	62	36	61.3
RPE-036003	3.6	6	20	62	36	61.3
RPE-037003	3.7	6	20	62	36	61.3
RPE-038003	3.8	6	24	66	36	65.2
RPE-039003	3.9	6	24	66	36	65.2
RPE-040003	4.0	6	24	66	36	65.2
RPE-041003	4.1	6	24	66	36	65.2
RPE-042003	4.2	6	24	66	36	65.2
RPE-043003	4.3	6	24	66	36	65.1
RPE-044003	4.4	6	24	66	36	65.1
RPE-045003	4.5	6	24	66	36	65.1
RPE-046003	4.6	6	24	66	36	65.1
RPE-047003	4.7	6	24	66	36	65.1
RPE-048003	4.8	6	28	66	36	65.0
RPE-049003	4.9	6	28	66	36	65.0
RPE-050003	5.0	6	28	66	36	65.0
RPE-051003	5.1	6	28	66	36	65.0
RPE-052003	5.2	6	28	66	36	65.0
RPE-053003	5.3	6	28	66	36	64.9
RPE-054003	5.4	6	28	66	36	64.9
RPE-055003	5.5	6	28	66	36	64.9
RPE-056003	5.6	6	28	66	36	64.9
RPE-057003	5.7	6	28	66	36	64.9
RPE-058003	5.8	6	28	66	36	64.8
RPE-059003	5.9	6	28	66	36	64.8
RPE-060003	6.0	6	28	66	36	64.8
RPE-061003	6.1	8	34	79	36	77.8
RPE-062003	6.2	8	34	79	36	77.8
RPE-063003	6.3	8	34	79	36	77.7
RPE-064003	6.4	8	34	79	36	77.7
RPE-065003	6.5	8	34	79	36	77.7
RPE-066003	6.6	8	34	79	36	77.7
RPE-067003	6.7	8	34	79	36	77.7
RPE-068003	6.8	8	34	79	36	77.8
RPE-069003	6.9	8	34	79	36	77.8
RPE-070003	7.0	8	34	79	36	77.8
RPE-071003	7.1	8	41	79	36	77.8

产品系列 Specification \ 工件材料 Work Piece	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium alloy	铸铁 Cast iron	不锈钢 Stainless steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%
RPE	■	■	■	◆	◆	□	□				■				

适用：■最佳 ◆适用 □能用　　Suit: ■Excellent ◆Good □OK

型号 Specification	DC	DCON	LCF	OAL	LS	LF
RPE-072003	7.2	8	41	79	36	77.6
RPE-073003	7.3	8	41	79	36	77.5
RPE-074003	7.4	8	41	79	36	77.5
RPE-075003	7.5	8	41	79	36	77.5
RPE-076003	7.6	8	41	79	36	77.5
RPE-077003	7.7	8	41	79	36	77.5
RPE-078003	7.8	8	41	79	36	77.4
RPE-079003	7.9	8	41	79	36	77.4
RPE-080003	8.0	8	41	79	36	77.4
RPE-081003	8.1	10	47	89	40	87.4
RPE-082003	8.2	10	47	89	40	87.4
RPE-083003	8.3	10	47	89	40	87.3
RPE-084003	8.4	10	47	89	40	87.3
RPE-085003	8.5	10	47	89	40	87.3
RPE-086003	8.6	10	47	89	40	87.3
RPE-087003	8.7	10	47	89	40	87.3
RPE-088003	8.8	10	47	89	40	87.2
RPE-089003	8.9	10	47	89	40	87.2
RPE-090003	9.0	10	47	89	40	87.2
RPE-091003	9.1	10	47	89	40	87.2
RPE-092003	9.2	10	47	89	40	87.2
RPE-093003	9.3	10	47	89	40	87.1
RPE-094003	9.4	10	47	89	40	87.1
RPE-095003	9.5	10	47	89	40	87.1
RPE-096003	9.6	10	47	89	40	87.1
RPE-097003	9.7	10	47	89	40	87.1
RPE-098003	9.8	10	47	89	40	87.0
RPE-099003	9.9	10	47	89	40	87.0
RPE-100003	10.0	10	47	89	40	87.0
RPE-101003	10.1	12	55	102	45	100.0
RPE-102003	10.2	12	55	102	45	100.0
RPE-103003	10.3	12	55	102	45	99.9
RPE-104003	10.4	12	55	102	45	99.9
RPE-105003	10.5	12	55	102	45	99.9
RPE-106003	10.6	12	55	102	45	99.9
RPE-107003	10.7	12	55	102	45	99.9
RPE-108003	10.8	12	55	102	45	99.8
RPE-109003	10.9	12	55	102	45	99.8
RPE-110003	11.0	12	55	102	45	99.8
RPE-111003	11.1	12	55	102	45	99.8
RPE-112003	11.2	12	55	102	45	99.8
RPE-113003	11.3	12	55	102	45	99.7
RPE-114003	11.4	12	55	102	45	99.7
RPE-115003	11.5	12	55	102	45	99.7
RPE-116003	11.6	12	55	102	45	99.7
RPE-117003	11.7	12	55	102	45	99.7
RPE-118003	11.8	12	55	102	45	99.6
RPE-119003	11.9	12	55	102	45	99.6
RPE-120003	12.0	12	55	102	45	99.6
RPE-121003	12.1	14	60	107	45	104.6
RPE-122003	12.2	14	60	107	45	104.6
RPE-123003	12.3	14	60	107	45	104.5
RPE-124003	12.4	14	60	107	45	104.5
RPE-125003	12.5	14	60	107	45	104.5

工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium alloy	铸铁 Cast iron	不锈钢 Stainless steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%
RPE	■	■	■	◆	◆	□	□				■				

适用： ■最佳 ◆适用 □能用　　Suit: ■Excellent ◆Good □OK

型号 Specification	DC	DCON	LCF	OAL	LS	LF
RPE-126003	12.6	14	60	107	45	104.5
RPE-127003	12.7	14	60	107	45	104.5
RPE-128003	12.8	14	60	107	45	104.4
RPE-129003	12.9	14	60	107	45	104.4
RPE-130003	13.0	14	60	107	45	104.4
RPE-131003	13.1	14	60	107	45	104.4
RPE-132003	13.2	14	60	107	45	104.4
RPE-133003	13.3	14	60	107	45	104.3
RPE-134003	13.4	14	60	107	45	104.3
RPE-135003	13.5	14	60	107	45	104.3
RPE-136003	13.6	14	60	107	45	104.3
RPE-137003	13.7	14	60	107	45	104.3
RPE-138003	13.8	14	60	107	45	104.2
RPE-139003	13.9	14	60	107	45	104.2
RPE-140003	14.0	14	60	107	45	104.2
RPE-141003	14.1	16	65	115	48	112.2
RPE-142003	14.2	16	65	115	48	112.2
RPE-143003	14.3	16	65	115	48	112.1
RPE-144003	14.4	16	65	115	48	112.1
RPE-145003	14.5	16	65	115	48	112.1
RPE-146003	14.6	16	65	115	48	112.1
RPE-147003	14.7	16	65	115	48	112.1
RPE-148003	14.8	16	65	115	48	112.0
RPE-149003	14.9	16	65	115	48	112.0
RPE-150003	15.0	16	65	115	48	112.0
RPE-151003	15.1	16	65	115	48	112.0
RPE-152003	15.2	16	65	115	48	112.0
RPE-153003	15.3	16	65	115	48	111.9
RPE-154003	15.4	16	65	115	48	111.9
RPE-155003	15.5	16	65	115	48	111.9
RPE-156003	15.6	16	65	115	48	111.9
RPE-157003	15.7	16	65	115	48	111.9
RPE-158003	15.8	16	65	115	48	111.8
RPE-159003	15.9	16	65	115	48	111.8
RPE-160003	16.0	16	65	115	48	111.8
RPE-161003	16.1	18	73	123	48	119.8
RPE-162003	16.2	18	73	123	48	119.8
RPE-163003	16.3	18	73	123	48	119.7
RPE-164003	16.4	18	73	123	48	119.7
RPE-165003	16.5	18	73	123	48	119.7
RPE-166003	16.6	18	73	123	48	119.7
RPE-167003	16.7	18	73	123	48	119.7
RPE-168003	16.8	18	73	123	48	119.6
RPE-169003	16.9	18	73	123	48	119.6
RPE-170003	17.0	18	73	123	48	119.6
RPE-171003	17.1	18	73	123	48	119.6
RPE-172003	17.2	18	73	123	48	119.6
RPE-173003	17.3	18	73	123	48	119.5
RPE-174003	17.4	18	73	123	48	119.5
RPE-175003	17.5	18	73	123	48	119.5
RPE-176003	17.6	18	73	123	48	119.5
RPE-177003	17.7	18	73	123	48	119.5
RPE-178003	17.8	18	73	123	48	119.4
RPE-179003	17.9	18	73	123	48	119.4

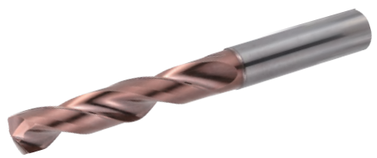
工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium alloy	铸铁 Cast iron	不锈钢 Stainless steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%
RPE	■	■	■	◆	◆	□	□				■				

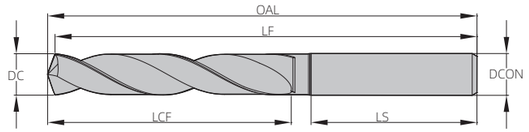
适用： ■最佳 ◆适用 □能用　　Suit: ■Excellent ◆Good □OK

型号 Specification	DC	DCON	LCF	OAL	LS	LF
RPE-180003	18.0	18	73	123	48	119
RPE-181003	18.1	20	79	131	50	127
RPE-182003	18.2	20	79	131	50	127
RPE-183003	18.3	20	79	131	50	127
RPE-184003	18.4	20	79	131	50	127
RPE-185003	18.5	20	79	131	50	127
RPE-186003	18.6	20	79	131	50	127
RPE-187003	18.7	20	79	131	50	127
RPE-188003	18.8	20	79	131	50	127
RPE-189003	18.9	20	79	131	50	127
RPE-190003	19.0	20	79	131	50	127
RPE-191003	19.1	20	79	131	50	127
RPE-192003	19.2	20	79	131	50	127
RPE-193003	19.3	20	79	131	50	127
RPE-194003	19.4	20	79	131	50	127
RPE-195003	19.5	20	79	131	50	127
RPE-196003	19.6	20	79	131	50	127
RPE-197003	19.7	20	79	131	50	127
RPE-198003	19.8	20	79	131	50	127
RPE-199003	19.9	20	79	131	50	127
RPE-200003	20.0	20	79	131	50	127

硬质合金钻头 Carbide Drill

RPE-05 RP通用钻头（5D）
Type-RP For General Machining (5D)





1.切削参数请参考AA083
2.单位：mm

1.Please refer to AA083 for cutting parameters.
2.Unit：mm

■RP系列钻头采用双弧面钻尖设计和复合涂层；
■兼顾高强度和流畅排屑，应对碳钢、合金钢、铸铁等多用途场合。

■The RP series drill adopt double curved drill tips and composite coatings;
■It successfully combined High strength and fluency filings removal, suitable for carbon steel, alloy steel, cast iron and other multipurpose applications.

Si | DIN 6537 L | HA h6 | h8 | 30° | 140°

型号 Specification	DC	DCON	LCF	OAL	LS	LF
RPE-030005	3.0	6	28	66	36	65.4
RPE-031005	3.1	6	28	66	36	65.4
RPE-032005	3.2	6	28	66	36	65.4
RPE-033005	3.3	6	28	66	36	65.3
RPE-034005	3.4	6	28	66	36	65.3
RPE-035005	3.5	6	28	66	36	65.3
RPE-036005	3.6	6	28	66	36	65.3
RPE-037005	3.7	6	28	66	36	65.3
RPE-038005	3.8	6	36	74	36	73.2
RPE-039005	3.9	6	36	74	36	73.2
RPE-040005	4.0	6	36	74	36	73.2
RPE-041005	4.1	6	36	74	36	73.2
RPE-042005	4.2	6	36	74	36	73.2
RPE-043005	4.3	6	36	74	36	73.1
RPE-044005	4.4	6	36	74	36	73.1
RPE-045005	4.5	6	36	74	36	73.1
RPE-046005	4.6	6	36	74	36	73.1
RPE-047005	4.7	6	36	74	36	73.1
RPE-048005	4.8	6	44	82	36	81.0
RPE-049005	4.9	6	44	82	36	81.0
RPE-050005	5.0	6	44	82	36	81.0
RPE-051005	5.1	6	44	82	36	81.0
RPE-052005	5.2	6	44	82	36	81.0
RPE-053005	5.3	6	44	82	36	80.9
RPE-054005	5.4	6	44	82	36	80.9
RPE-055005	5.5	6	44	82	36	80.9
RPE-056005	5.6	6	44	82	36	80.9
RPE-057005	5.7	6	44	82	36	80.9
RPE-058005	5.8	6	44	82	36	80.8
RPE-059005	5.9	6	44	82	36	80.8
RPE-060005	6.0	6	44	82	36	80.8
RPE-061005	6.1	8	53	91	36	89.8
RPE-062005	6.2	8	53	91	36	89.8
RPE-063005	6.3	8	53	91	36	89.7
RPE-064005	6.4	8	53	91	36	89.7
RPE-065005	6.5	8	53	91	36	89.7
RPE-066005	6.6	8	53	91	36	89.7
RPE-067005	6.7	8	53	91	36	89.7
RPE-068005	6.8	8	53	91	36	89.6
RPE-069005	6.9	8	53	91	36	89.6
RPE-070005	7.0	8	53	91	36	89.6
RPE-071005	7.1	8	53	91	36	89.6

产品系列 Specification \ 工件材料 Work Piece	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium alloy	铸铁 Cast iron	不锈钢 Stainless steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%
RPE	■	■	■	◆	◆	□	□				■				

适用： ■最佳 ◆适用 □能用　　Suit: ■Excellent ◆Good □OK

型号 Specification	DC	DCON	LCF	OAL	LS	LF
RPE-072005	7.2	8	53	91	36	89.6
RPE-073005	7.3	8	53	91	36	89.5
RPE-074005	7.4	8	53	91	36	89.5
RPE-075005	7.5	8	53	91	36	89.5
RPE-076005	7.6	8	53	91	36	89.5
RPE-077005	7.7	8	53	91	36	89.5
RPE-078005	7.8	8	53	91	36	89.4
RPE-079005	7.9	8	53	91	36	89.4
RPE-080005	8.0	8	53	91	36	89.4
RPE-081005	8.1	10	61	103	40	101.4
RPE-082005	8.2	10	61	103	40	101.4
RPE-083005	8.3	10	61	103	40	101.3
RPE-084005	8.4	10	61	103	40	101.3
RPE-085005	8.5	10	61	103	40	101.3
RPE-086005	8.6	10	61	103	40	101.3
RPE-087005	8.7	10	61	103	40	101.3
RPE-088005	8.8	10	61	103	40	101.2
RPE-089005	8.9	10	61	103	40	101.2
RPE-090005	9.0	10	61	103	40	101.2
RPE-091005	9.1	10	61	103	40	101.2
RPE-092005	9.2	10	61	103	40	101.2
RPE-093005	9.3	10	61	103	40	101.1
RPE-094005	9.4	10	61	103	40	101.1
RPE-095005	9.5	10	61	103	40	101.1
RPE-096005	9.6	10	61	103	40	101.1
RPE-097005	9.7	10	61	103	40	101.1
RPE-098005	9.8	10	61	103	40	101.0
RPE-099005	9.9	10	61	103	40	101.0
RPE-100005	10.0	10	61	103	40	101.0
RPE-101005	10.1	12	71	118	45	116.0
RPE-102005	10.2	12	71	118	45	116.0
RPE-103005	10.3	12	71	118	45	115.9
RPE-104005	10.4	12	71	118	45	115.9
RPE-105005	10.5	12	71	118	45	115.9
RPE-106005	10.6	12	71	118	45	115.9
RPE-107005	10.7	12	71	118	45	115.9
RPE-108005	10.8	12	71	118	45	115.8
RPE-109005	10.9	12	71	118	45	115.8
RPE-110005	11.0	12	71	118	45	115.8
RPE-111005	11.1	12	71	118	45	115.8
RPE-112005	11.2	12	71	118	45	115.8
RPE-113005	11.3	12	71	118	45	115.7
RPE-114005	11.4	12	71	118	45	115.7
RPE-115005	11.5	12	71	118	45	115.7
RPE-116005	11.6	12	71	118	45	115.7
RPE-117005	11.7	12	71	118	45	115.7
RPE-118005	11.8	12	71	118	45	115.6
RPE-119005	11.9	12	71	118	45	115.6
RPE-120005	12.0	12	71	118	45	115.6
RPE-121005	12.1	14	77	124	45	121.6
RPE-122005	12.2	14	77	124	45	121.6
RPE-123005	12.3	14	77	124	45	121.5
RPE-124005	12.4	14	77	124	45	121.5
RPE-125005	12.5	14	77	124	45	121.5

工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium alloy	铸铁 Cast iron	不锈钢 Stainless steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%
RPE	■	■	■	◆	◆	□	□				■				

适用： ■最佳 ◆适用 □能用　　Suit: ■Excellent ◆Good □OK

型号 Specification	DC	DCON	LCF	OAL	LS	LF
RPE-126005	12.6	14	77	124	45	121.5
RPE-127005	12.7	14	77	124	45	121.5
RPE-128005	12.8	14	77	124	45	121.4
RPE-129005	12.9	14	77	124	45	121.4
RPE-130005	13.0	14	77	124	45	121.4
RPE-131005	13.1	14	77	124	45	121.4
RPE-132005	13.2	14	77	124	45	121.4
RPE-133005	13.3	14	77	124	45	121.3
RPE-134005	13.4	14	77	124	45	121.3
RPE-135005	13.5	14	77	124	45	121.3
RPE-136005	13.6	14	77	124	45	121.3
RPE-137005	13.7	14	77	124	45	121.3
RPE-138005	13.8	14	77	124	45	121.2
RPE-139005	13.9	14	77	124	45	121.2
RPE-140005	14.0	14	77	124	45	121.2
RPE-141005	14.1	16	83	133	48	130.2
RPE-142005	14.2	16	83	133	48	130.2
RPE-143005	14.3	16	83	133	48	130.1
RPE-144005	14.4	16	83	133	48	130.1
RPE-145005	14.5	16	83	133	48	130.1
RPE-146005	14.6	16	83	133	48	130.1
RPE-147005	14.7	16	83	133	48	130.1
RPE-148005	14.8	16	83	133	48	130.0
RPE-149005	14.9	16	83	133	48	130.0
RPE-150005	15.0	16	83	133	48	130.0
RPE-151005	15.1	16	83	133	48	130.0
RPE-152005	15.2	16	83	133	48	130.0
RPE-153005	15.3	16	83	133	48	129.9
RPE-154005	15.4	16	83	133	48	129.9
RPE-155005	15.5	16	83	133	48	129.9
RPE-156005	15.6	16	83	133	48	129.9
RPE-157005	15.7	16	83	133	48	129.9
RPE-158005	15.8	16	83	133	48	129.8
RPE-159005	15.9	16	83	133	48	129.8
RPE-160005	16.0	16	83	133	48	129.8
RPE-161005	16.1	18	93	143	48	139.8
RPE-162005	16.2	18	93	143	48	139.8
RPE-163005	16.3	18	93	143	48	139.7
RPE-164005	16.4	18	93	143	48	139.7
RPE-165005	16.5	18	93	143	48	139.7
RPE-166005	16.6	18	93	143	48	139.7
RPE-167005	16.7	18	93	143	48	139.7
RPE-168005	16.8	18	93	143	48	139.6
RPE-169005	16.9	18	93	143	48	139.6
RPE-170005	17.0	18	93	143	48	139.6
RPE-171005	17.1	18	93	143	48	139.6
RPE-172005	17.2	18	93	143	48	139.6
RPE-173005	17.3	18	93	143	48	139.5
RPE-174005	17.4	18	93	143	48	139.5
RPE-175005	17.5	18	93	143	48	139.5
RPE-176005	17.6	18	93	143	48	139.5
RPE-177005	17.7	18	93	143	48	139.5
RPE-178005	17.8	18	93	143	48	139.4
RPE-179005	17.9	18	93	143	48	139.4

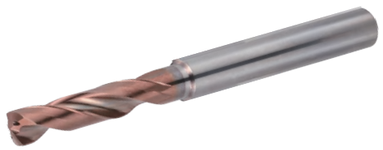
工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium alloy	铸铁 Cast iron	不锈钢 Stainless steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%
RPE	■	■	■	◆	◆	□	□				■				

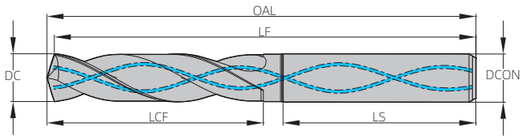
适用： ■最佳 ◆适用 □能用　　Suit: ■Excellent ◆Good □OK

型号 Specification	DC	DCON	LCF	OAL	LS	LF
RPE-180005	18.0	18	93	143	48	139.4
RPE-181005	18.1	20	101	153	50	149.4
RPE-182005	18.2	20	101	153	50	149.4
RPE-183005	18.3	20	101	153	50	149.3
RPE-184005	18.4	20	101	153	50	149.3
RPE-185005	18.5	20	101	153	50	149.3
RPE-186005	18.6	20	101	153	50	149.3
RPE-187005	18.7	20	101	153	50	149.3
RPE-188005	18.8	20	101	153	50	149.2
RPE-189005	18.9	20	101	153	50	149.2
RPE-190005	19.0	20	101	153	50	149.2
RPE-191005	19.1	20	101	153	50	149.2
RPE-192005	19.2	20	101	153	50	149.2
RPE-193005	19.3	20	101	153	50	149.1
RPE-194005	19.4	20	101	153	50	149.1
RPE-195005	19.5	20	101	153	50	149.1
RPE-196005	19.6	20	101	153	50	149.1
RPE-197005	19.7	20	101	153	50	149.1
RPE-198005	19.8	20	101	153	50	149.0
RPE-199005	19.9	20	101	153	50	149.0
RPE-200005	20.0	20	101	153	50	149.0

硬质合金钻头 Carbide Drill

RPO-03 RP通用内冷钻头（3D）
Type-RP With Internal Coolant For General Machining (3D)





1.切削参数请参考AA083
2.单位：mm

1.Please refer to AA083 for cutting parameters.
2.Unit：mm

■RP系列钻头采用双弧面钻尖设计和复合涂层；
■兼顾高强度和流畅排屑，应对碳钢、合金钢、铸铁等多用途场合。

■The RP series drill adopt double curved drill tips and composite coatings;
■It successfully combined High strength and fluency filings removal, suitable for carbon steel, alloy steel, cast iron and other multipurpose applications.

Si | DIN 6537 K | HA h6 | h8 | 30° | 140°

型号 Specification	DC	DCON	LCF	OAL	LS	LF
RPO-030003	3.0	4	20	62	36	61.3
RPO-031003	3.1	4	20	62	36	61.3
RPO-032003	3.2	4	20	62	36	61.3
RPO-033003	3.3	4	20	62	36	61.3
RPO-034003	3.4	4	20	62	36	61.3
RPO-035003	3.5	4	20	62	36	61.3
RPO-036003	3.6	4	20	62	36	61.3
RPO-037003	3.7	4	20	62	36	61.3
RPO-038003	3.8	4	24	66	36	65.2
RPO-039003	3.9	4	24	66	36	65.2
RPO-040003	4.0	4	24	66	36	65.2
RPO-041003	4.1	6	24	66	36	65.2
RPO-042003	4.2	6	24	66	36	65.2
RPO-043003	4.3	6	24	66	36	65.1
RPO-044003	4.4	6	24	66	36	65.1
RPO-045003	4.5	6	24	66	36	65.1
RPO-046003	4.6	6	24	66	36	65.1
RPO-047003	4.7	6	24	66	36	65.1
RPO-048003	4.8	6	28	66	36	65.0
RPO-049003	4.9	6	28	66	36	65.0
RPO-050003	5.0	6	28	66	36	65.0
RPO-051003	5.1	6	28	66	36	65.0
RPO-052003	5.2	6	28	66	36	65.0
RPO-053003	5.3	6	28	66	36	64.9
RPO-054003	5.4	6	28	66	36	64.9
RPO-055003	5.5	6	28	66	36	64.9
RPO-056003	5.6	6	28	66	36	64.9
RPO-057003	5.7	6	28	66	36	64.9
RPO-058003	5.8	6	28	66	36	64.8
RPO-059003	5.9	6	28	66	36	64.8
RPO-060003	6.0	6	28	66	36	64.8
RPO-061003	6.1	8	34	79	36	77.8
RPO-062003	6.2	8	34	79	36	77.8
RPO-063003	6.3	8	34	79	36	77.7
RPO-064003	6.4	8	34	79	36	77.7
RPO-065003	6.5	8	34	79	36	77.7
RPO-066003	6.6	8	34	79	36	77.7
RPO-067003	6.7	8	34	79	36	77.7
RPO-068003	6.8	8	34	79	36	77.8
RPO-069003	6.9	8	34	79	36	77.8
RPO-070003	7.0	8	34	79	36	77.8
RPO-071003	7.1	8	41	79	36	77.8

工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium alloy	铸铁 Cast iron	不锈钢 Stainless steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%
RPO	■	■	■	◆	◆	□	□				■				

适用： ■最佳 ◆适用 □能用　　Suit: ■Excellent ◆Good □OK

型号 Specification	DC	DCON	LCF	OAL	LS	LF
RPO-072003	7.2	8	41	79	36	77.6
RPO-073003	7.3	8	41	79	36	77.5
RPO-074003	7.4	8	41	79	36	77.5
RPO-075003	7.5	8	41	79	36	77.5
RPO-076003	7.6	8	41	79	36	77.5
RPO-077003	7.7	8	41	79	36	77.5
RPO-078003	7.8	8	41	79	36	77.4
RPO-079003	7.9	8	41	79	36	77.4
RPO-080003	8.0	8	41	79	36	77.4
RPO-081003	8.1	10	47	89	40	87.4
RPO-082003	8.2	10	47	89	40	87.4
RPO-083003	8.3	10	47	89	40	87.3
RPO-084003	8.4	10	47	89	40	87.3
RPO-085003	8.5	10	47	89	40	87.3
RPO-086003	8.6	10	47	89	40	87.3
RPO-087003	8.7	10	47	89	40	87.3
RPO-088003	8.8	10	47	89	40	87.2
RPO-089003	8.9	10	47	89	40	87.2
RPO-090003	9.0	10	47	89	40	87.2
RPO-091003	9.1	10	47	89	40	87.2
RPO-092003	9.2	10	47	89	40	87.2
RPO-093003	9.3	10	47	89	40	87.1
RPO-094003	9.4	10	47	89	40	87.1
RPO-095003	9.5	10	47	89	40	87.1
RPO-096003	9.6	10	47	89	40	87.1
RPO-097003	9.7	10	47	89	40	87.1
RPO-098003	9.8	10	47	89	40	87.0
RPO-099003	9.9	10	47	89	40	87.0
RPO-100003	10.0	10	47	89	40	87.0
RPO-101003	10.1	12	55	102	45	100.0
RPO-102003	10.2	12	55	102	45	100.0
RPO-103003	10.3	12	55	102	45	99.9
RPO-104003	10.4	12	55	102	45	99.9
RPO-105003	10.5	12	55	102	45	99.9
RPO-106003	10.6	12	55	102	45	99.9
RPO-107003	10.7	12	55	102	45	99.9
RPO-108003	10.8	12	55	102	45	99.8
RPO-109003	10.9	12	55	102	45	99.8
RPO-110003	11.0	12	55	102	45	99.8
RPO-111003	11.1	12	55	102	45	99.8
RPO-112003	11.2	12	55	102	45	99.8
RPO-113003	11.3	12	55	102	45	99.7
RPO-114003	11.4	12	55	102	45	99.7
RPO-115003	11.5	12	55	102	45	99.7
RPO-116003	11.6	12	55	102	45	99.7
RPO-117003	11.7	12	55	102	45	99.7
RPO-118003	11.8	12	55	102	45	99.6
RPO-119003	11.9	12	55	102	45	99.6
RPO-120003	12.0	12	55	102	45	99.6
RPO-121003	12.1	14	60	107	45	104.6
RPO-122003	12.2	14	60	107	45	104.6
RPO-123003	12.3	14	60	107	45	104.5
RPO-124003	12.4	14	60	107	45	104.5
RPO-125003	12.5	14	60	107	45	104.5

工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium alloy	铸铁 Cast iron	不锈钢 Stainless steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%
RPO	■	■	■	◆	◆	□	□				■				

适用： ■最佳 ◆适用 □能用　　Suit: ■Excellent ◆Good □OK

型号 Specification	DC	DCON	LCF	OAL	LS	LF
RPO-126003	12.6	14	60	107	45	104.5
RPO-127003	12.7	14	60	107	45	104.5
RPO-128003	12.8	14	60	107	45	104.4
RPO-129003	12.9	14	60	107	45	104.4
RPO-130003	13.0	14	60	107	45	104.4
RPO-131003	13.1	14	60	107	45	104.4
RPO-132003	13.2	14	60	107	45	104.4
RPO-133003	13.3	14	60	107	45	104.3
RPO-134003	13.4	14	60	107	45	104.3
RPO-135003	13.5	14	60	107	45	104.3
RPO-136003	13.6	14	60	107	45	104.3
RPO-137003	13.7	14	60	107	45	104.3
RPO-138003	13.8	14	60	107	45	104.2
RPO-139003	13.9	14	60	107	45	104.2
RPO-140003	14.0	14	60	107	45	104.2
RPO-141003	14.1	16	65	115	48	112.2
RPO-142003	14.2	16	65	115	48	112.2
RPO-143003	14.3	16	65	115	48	112.1
RPO-144003	14.4	16	65	115	48	112.1
RPO-145003	14.5	16	65	115	48	112.1
RPO-146003	14.6	16	65	115	48	112.1
RPO-147003	14.7	16	65	115	48	112.1
RPO-148003	14.8	16	65	115	48	112.0
RPO-149003	14.9	16	65	115	48	112.0
RPO-150003	15.0	16	65	115	48	112.0
RPO-151003	15.1	16	65	115	48	112.0
RPO-152003	15.2	16	65	115	48	112.0
RPO-153003	15.3	16	65	115	48	111.9
RPO-154003	15.4	16	65	115	48	111.9
RPO-155003	15.5	16	65	115	48	111.9
RPO-156003	15.6	16	65	115	48	111.9
RPO-157003	15.7	16	65	115	48	111.9
RPO-158003	15.8	16	65	115	48	111.8
RPO-159003	15.9	16	65	115	48	111.8
RPO-160003	16.0	16	65	115	48	111.8
RPO-161003	16.1	18	73	123	48	119.8
RPO-162003	16.2	18	73	123	48	119.8
RPO-163003	16.3	18	73	123	48	119.7
RPO-164003	16.4	18	73	123	48	119.7
RPO-165003	16.5	18	73	123	48	119.7
RPO-166003	16.6	18	73	123	48	119.7
RPO-167003	16.7	18	73	123	48	119.7
RPO-168003	16.8	18	73	123	48	119.6
RPO-169003	16.9	18	73	123	48	119.6
RPO-170003	17.0	18	73	123	48	119.6
RPO-171003	17.1	18	73	123	48	119.6
RPO-172003	17.2	18	73	123	48	119.6
RPO-173003	17.3	18	73	123	48	119.5
RPO-174003	17.4	18	73	123	48	119.5
RPO-175003	17.5	18	73	123	48	119.5
RPO-176003	17.6	18	73	123	48	119.5
RPO-177003	17.7	18	73	123	48	119.5
RPO-178003	17.8	18	73	123	48	119.4
RPO-179003	17.9	18	73	123	48	119.4

工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium alloy	铸铁 Cast iron	不锈钢 Stainless steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%
RPO	■	■	■	◆	◆	□	□				■				

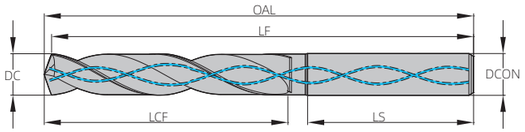
适用： ■最佳 ◆适用 □能用　　Suit: ■Excellent ◆Good □OK

型号 Specification	DC	DCON	LCF	OAL	LS	LF
RPO-180003	18.0	18	73	123	48	119
RPO-181003	18.1	20	79	131	50	127
RPO-182003	18.2	20	79	131	50	127
RPO-183003	18.3	20	79	131	50	127
RPO-184003	18.4	20	79	131	50	127
RPO-185003	18.5	20	79	131	50	127
RPO-186003	18.6	20	79	131	50	127
RPO-187003	18.7	20	79	131	50	127
RPO-188003	18.8	20	79	131	50	127
RPO-189003	18.9	20	79	131	50	127
RPO-190003	19.0	20	79	131	50	127
RPO-191003	19.1	20	79	131	50	127
RPO-192003	19.2	20	79	131	50	127
RPO-193003	19.3	20	79	131	50	127
RPO-194003	19.4	20	79	131	50	127
RPO-195003	19.5	20	79	131	50	127
RPO-196003	19.6	20	79	131	50	127
RPO-197003	19.7	20	79	131	50	127
RPO-198003	19.8	20	79	131	50	127
RPO-199003	19.9	20	79	131	50	127
RPO-200003	20.0	20	79	131	50	127

硬质合金钻头 Carbide Drill

RPO-05 RP通用内冷钻头（5D）
Type-RP With Internal Coolant For General Machining (5D)





1.切削参数请参考AA083
2.单位：mm

1.Please refer to AA083 for cutting parameters.
2.Unit：mm

■RP系列钻头采用双弧面钻尖设计和复合涂层；
■兼顾高强度和流畅排屑，应对碳钢、合金钢、铸铁等多用途场合。

■The RP series drill adopt double curved drill tips and composite coatings;
■It successfully combined High strength and fluency filings removal, suitable for carbon steel, alloy steel, cast iron and other multipurpose applications.

Si	DIN 6537 L	HA h6	h8		30°	140°

型号 Specification	DC	DCON	LCF	OAL	LS	LF
RPO-030005	3.0	4	28	66	36	65.4
RPO-031005	3.1	4	28	66	36	65.4
RPO-032005	3.2	4	28	66	36	65.4
RPO-033005	3.3	4	28	66	36	65.3
RPO-034005	3.4	4	28	66	36	65.3
RPO-035005	3.5	4	28	66	36	65.3
RPO-036005	3.6	4	28	66	36	65.3
RPO-037005	3.7	4	28	66	36	65.3
RPO-038005	3.8	4	36	74	36	73.2
RPO-039005	3.9	4	36	74	36	73.2
RPO-040005	4.0	4	36	74	36	73.2
RPO-041005	4.1	6	36	74	36	73.2
RPO-042005	4.2	6	36	74	36	73.2
RPO-043005	4.3	6	36	74	36	73.1
RPO-044005	4.4	6	36	74	36	73.1
RPO-045005	4.5	6	36	74	36	73.1
RPO-046005	4.6	6	36	74	36	73.1
RPO-047005	4.7	6	36	74	36	73.1
RPO-048005	4.8	6	44	82	36	81.0
RPO-049005	4.9	6	44	82	36	81.0
RPO-050005	5.0	6	44	82	36	81.0
RPO-051005	5.1	6	44	82	36	81.0
RPO-052005	5.2	6	44	82	36	81.0
RPO-053005	5.3	6	44	82	36	80.9
RPO-054005	5.4	6	44	82	36	80.9
RPO-055005	5.5	6	44	82	36	80.9
RPO-056005	5.6	6	44	82	36	80.9
RPO-057005	5.7	6	44	82	36	80.9
RPO-058005	5.8	6	44	82	36	80.8
RPO-059005	5.9	6	44	82	36	80.8
RPO-060005	6.0	6	44	82	36	80.8
RPO-061005	6.1	8	53	91	36	89.8
RPO-062005	6.2	8	53	91	36	89.8
RPO-063005	6.3	8	53	91	36	89.7
RPO-064005	6.4	8	53	91	36	89.7
RPO-065005	6.5	8	53	91	36	89.7
RPO-066005	6.6	8	53	91	36	89.7
RPO-067005	6.7	8	53	91	36	89.7
RPO-068005	6.8	8	53	91	36	89.6
RPO-069005	6.9	8	53	91	36	89.6
RPO-070005	7.0	8	53	91	36	89.6
RPO-071005	7.1	8	53	91	36	89.6

工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium alloy	铸铁 Cast iron	不锈钢 Stainless steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%
RPO	■	■	■	◆	◆	□	□				■				

适用： ■最佳 ◆适用 □能用　　Suit: ■Excellent ◆Good □OK

型号 Specification	DC	DCON	LCF	OAL	LS	LF
RPO-072005	7.2	8	53	91	36	89.6
RPO-073005	7.3	8	53	91	36	89.5
RPO-074005	7.4	8	53	91	36	89.5
RPO-075005	7.5	8	53	91	36	89.5
RPO-076005	7.6	8	53	91	36	89.5
RPO-077005	7.7	8	53	91	36	89.5
RPO-078005	7.8	8	53	91	36	89.4
RPO-079005	7.9	8	53	91	36	89.4
RPO-080005	8.0	8	53	91	36	89.4
RPO-081005	8.1	10	61	103	40	101.4
RPO-082005	8.2	10	61	103	40	101.4
RPO-083005	8.3	10	61	103	40	101.3
RPO-084005	8.4	10	61	103	40	101.3
RPO-085005	8.5	10	61	103	40	101.3
RPO-086005	8.6	10	61	103	40	101.3
RPO-087005	8.7	10	61	103	40	101.3
RPO-088005	8.8	10	61	103	40	101.2
RPO-089005	8.9	10	61	103	40	101.2
RPO-090005	9.0	10	61	103	40	101.2
RPO-091005	9.1	10	61	103	40	101.2
RPO-092005	9.2	10	61	103	40	101.2
RPO-093005	9.3	10	61	103	40	101.1
RPO-094005	9.4	10	61	103	40	101.1
RPO-095005	9.5	10	61	103	40	101.1
RPO-096005	9.6	10	61	103	40	101.1
RPO-097005	9.7	10	61	103	40	101.1
RPO-098005	9.8	10	61	103	40	101.0
RPO-099005	9.9	10	61	103	40	101.0
RPO-100005	10.0	10	61	103	40	101.0
RPO-101005	10.1	12	71	118	45	116.0
RPO-102005	10.2	12	71	118	45	116.0
RPO-103005	10.3	12	71	118	45	115.9
RPO-104005	10.4	12	71	118	45	115.9
RPO-105005	10.5	12	71	118	45	115.9
RPO-106005	10.6	12	71	118	45	115.9
RPO-107005	10.7	12	71	118	45	115.9
RPO-108005	10.8	12	71	118	45	115.8
RPO-109005	10.9	12	71	118	45	115.8
RPO-110005	11.0	12	71	118	45	115.8
RPO-111005	11.1	12	71	118	45	115.8
RPO-112005	11.2	12	71	118	45	115.8
RPO-113005	11.3	12	71	118	45	115.7
RPO-114005	11.4	12	71	118	45	115.7
RPO-115005	11.5	12	71	118	45	115.7
RPO-116005	11.6	12	71	118	45	115.7
RPO-117005	11.7	12	71	118	45	115.7
RPO-118005	11.8	12	71	118	45	115.6
RPO-119005	11.9	12	71	118	45	115.6
RPO-120005	12.0	12	71	118	45	115.6
RPO-121005	12.1	14	77	124	45	121.6
RPO-122005	12.2	14	77	124	45	121.6
RPO-123005	12.3	14	77	124	45	121.5
RPO-124005	12.4	14	77	124	45	121.5
RPO-125005	12.5	14	77	124	45	121.5

工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium alloy	铸铁 Cast iron	不锈钢 Stainless steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%
RPO	■	■	■	◆	◆	□	□				■				

适用： ■最佳 ◆适用 □能用　　Suit: ■Excellent ◆Good □OK

型号 Specification	DC	DCON	LCF	OAL	LS	LF
RPO-126005	12.6	14	77	124	45	121.5
RPO-127005	12.7	14	77	124	45	121.5
RPO-128005	12.8	14	77	124	45	121.4
RPO-129005	12.9	14	77	124	45	121.4
RPO-130005	13.0	14	77	124	45	121.4
RPO-131005	13.1	14	77	124	45	121.4
RPO-132005	13.2	14	77	124	45	121.4
RPO-133005	13.3	14	77	124	45	121.3
RPO-134005	13.4	14	77	124	45	121.3
RPO-135005	13.5	14	77	124	45	121.3
RPO-136005	13.6	14	77	124	45	121.3
RPO-137005	13.7	14	77	124	45	121.3
RPO-138005	13.8	14	77	124	45	121.2
RPO-139005	13.9	14	77	124	45	121.2
RPO-140005	14.0	14	77	124	45	121.2
RPO-141005	14.1	16	83	133	48	130.2
RPO-142005	14.2	16	83	133	48	130.2
RPO-143005	14.3	16	83	133	48	130.1
RPO-144005	14.4	16	83	133	48	130.1
RPO-145005	14.5	16	83	133	48	130.1
RPO-146005	14.6	16	83	133	48	130.1
RPO-147005	14.7	16	83	133	48	130.1
RPO-148005	14.8	16	83	133	48	130.0
RPO-149005	14.9	16	83	133	48	130.0
RPO-150005	15.0	16	83	133	48	130.0
RPO-151005	15.1	16	83	133	48	130.0
RPO-152005	15.2	16	83	133	48	130.0
RPO-153005	15.3	16	83	133	48	129.9
RPO-154005	15.4	16	83	133	48	129.9
RPO-155005	15.5	16	83	133	48	129.9
RPO-156005	15.6	16	83	133	48	129.9
RPO-157005	15.7	16	83	133	48	129.9
RPO-158005	15.8	16	83	133	48	129.8
RPO-159005	15.9	16	83	133	48	129.8
RPO-160005	16.0	16	83	133	48	129.8
RPO-161005	16.1	18	93	143	48	139.8
RPO-162005	16.2	18	93	143	48	139.8
RPO-163005	16.3	18	93	143	48	139.7
RPO-164005	16.4	18	93	143	48	139.7
RPO-165005	16.5	18	93	143	48	139.7
RPO-166005	16.6	18	93	143	48	139.7
RPO-167005	16.7	18	93	143	48	139.7
RPO-168005	16.8	18	93	143	48	139.6
RPO-169005	16.9	18	93	143	48	139.6
RPO-170005	17.0	18	93	143	48	139.6
RPO-171005	17.1	18	93	143	48	139.6
RPO-172005	17.2	18	93	143	48	139.6
RPO-173005	17.3	18	93	143	48	139.5
RPO-174005	17.4	18	93	143	48	139.5
RPO-175005	17.5	18	93	143	48	139.5
RPO-176005	17.6	18	93	143	48	139.5
RPO-177005	17.7	18	93	143	48	139.5
RPO-178005	17.8	18	93	143	48	139.4
RPO-179005	17.9	18	93	143	48	139.4

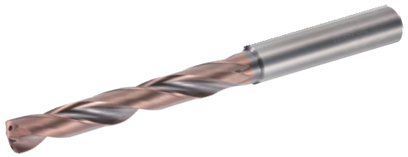
工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium alloy	铸铁 Cast iron	不锈钢 Stainless steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%
RPO	■	■	■	◆	◆	□	□				■				

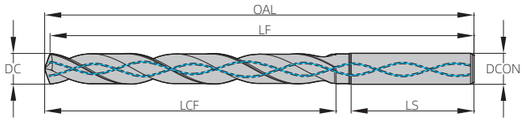
适用： ■最佳 ◆适用 □能用　　Suit: ■Excellent ◆Good □OK

型号 Specification	DC	DCON	LCF	OAL	LS	LF
RPO-180005	18.0	18	93	143	48	139.4
RPO-181005	18.1	20	101	153	50	149.4
RPO-182005	18.2	20	101	153	50	149.4
RPO-183005	18.3	20	101	153	50	149.3
RPO-184005	18.4	20	101	153	50	149.3
RPO-185005	18.5	20	101	153	50	149.3
RPO-186005	18.6	20	101	153	50	149.3
RPO-187005	18.7	20	101	153	50	149.3
RPO-188005	18.8	20	101	153	50	149.2
RPO-189005	18.9	20	101	153	50	149.2
RPO-190005	19.0	20	101	153	50	149.2
RPO-191005	19.1	20	101	153	50	149.2
RPO-192005	19.2	20	101	153	50	149.2
RPO-193005	19.3	20	101	153	50	149.1
RPO-194005	19.4	20	101	153	50	149.1
RPO-195005	19.5	20	101	153	50	149.1
RPO-196005	19.6	20	101	153	50	149.1
RPO-197005	19.7	20	101	153	50	149.1
RPO-198005	19.8	20	101	153	50	149.0
RPO-199005	19.9	20	101	153	50	149.0
RPO-200005	20.0	20	101	153	50	149.0

硬质合金钻头 Carbide Drill

RPO-07 RP通用内冷钻头（7D）
Type-RP With Internal Coolant For General Machining (7D)





1.切削参数请参考AA083
2.单位：mm

1.Please refer to AA083 for cutting parameters.
2.Unit：mm

■RP系列钻头采用双弧面钻尖设计和复合涂层；
■兼顾高强度和流畅排屑，应对碳钢、合金钢、铸铁等多用途场合。

■The RP series drill adopt double curved drill tips and composite coatings;
■It successfully combined High strength and fluency filings removal, suitable for carbon steel, alloy steel, cast iron and other multipurpose applications.

型号 Specification	DC	DCON	LCF	OAL	LS	LF
RPO-030007	3.0	4	30	68	36	67.4
RPO-031007	3.1	4	30	68	36	67.4
RPO-032007	3.2	4	30	68	36	67.4
RPO-033007	3.3	4	35	73	36	72.3
RPO-034007	3.4	4	35	73	36	72.3
RPO-035007	3.5	4	35	73	36	72.3
RPO-036007	3.6	4	35	73	36	72.3
RPO-037007	3.7	4	35	73	36	72.3
RPO-038007	3.8	4	42	80	36	79.2
RPO-039007	3.9	4	42	80	36	79.2
RPO-040007	4.0	4	42	80	36	79.2
RPO-041007	4.1	6	42	80	36	79.2
RPO-042007	4.2	6	42	80	36	79.2
RPO-043007	4.3	6	42	80	36	79.1
RPO-044007	4.4	6	42	80	36	79.1
RPO-045007	4.5	6	42	80	36	79.1
RPO-046007	4.6	6	42	80	36	79.1
RPO-047007	4.7	6	42	80	36	79.1
RPO-048007	4.8	6	50	88	36	87.0
RPO-049007	4.9	6	50	88	36	87.0
RPO-050007	5.0	6	50	88	36	87.0
RPO-051007	5.1	6	50	88	36	87.0
RPO-052007	5.2	6	50	88	36	87.0
RPO-053007	5.3	6	50	88	36	86.9
RPO-054007	5.4	6	50	88	36	86.9
RPO-055007	5.5	6	50	88	36	86.9
RPO-056007	5.6	6	50	88	36	86.9
RPO-057007	5.7	6	50	88	36	86.9
RPO-058007	5.8	6	50	88	36	86.8
RPO-059007	5.9	6	50	88	36	86.8
RPO-060007	6.0	6	50	88	36	86.8
RPO-061007	6.1	8	57	95	36	96.8
RPO-062007	6.2	8	57	95	36	93.8
RPO-063007	6.3	8	57	95	36	93.7
RPO-064007	6.4	8	57	95	36	93.7
RPO-065007	6.5	8	57	95	36	93.7
RPO-066007	6.6	8	57	95	36	93.7
RPO-067007	6.7	8	57	95	36	93.7
RPO-068007	6.8	8	57	95	36	93.6
RPO-069007	6.9	8	64	102	36	100.6
RPO-070007	7.0	8	64	102	36	100.6
RPO-071007	7.1	8	64	102	36	100.6

工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium alloy	铸铁 Cast iron	不锈钢 Stainless steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%
RPO	■	■	■	◆	◆	□	□				■				

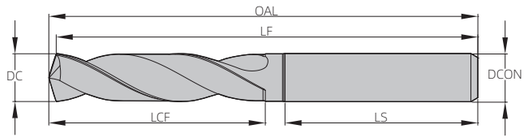
适用： ■最佳 ◆适用 □能用　　Suit: ■Excellent ◆Good □OK

型号 Specification	DC	DCON	LCF	OAL	LS	LF
RPO-072007	7.2	8	64	102	36	100.6
RPO-073007	7.3	8	64	102	36	100.5
RPO-074007	7.4	8	64	102	36	100.5
RPO-075007	7.5	8	64	102	36	100.5
RPO-076007	7.6	8	64	102	36	100.5
RPO-077007	7.7	8	64	102	36	100.5
RPO-078007	7.8	8	72	110	36	108.4
RPO-079007	7.9	8	72	110	36	108.4
RPO-080007	8.0	8	72	110	36	108.4
RPO-081007	8.1	10	72	114	40	112.4
RPO-082007	8.2	10	72	114	40	112.4
RPO-083007	8.3	10	72	114	40	112.3
RPO-084007	8.4	10	72	114	40	112.3
RPO-085007	8.5	10	72	114	40	112.3
RPO-086007	8.6	10	72	114	40	112.3
RPO-087007	8.7	10	79	121	40	119.3
RPO-088007	8.8	10	79	121	40	119.2
RPO-089007	8.9	10	79	121	40	119.2
RPO-090007	9.0	10	79	121	40	119.2
RPO-091007	9.1	10	79	121	40	119.2
RPO-092007	9.2	10	79	121	40	119.2
RPO-093007	9.3	10	79	121	40	119.1
RPO-094007	9.4	10	79	121	40	119.1
RPO-095007	9.5	10	79	121	40	119.1
RPO-096007	9.6	10	85	127	40	125.1
RPO-097007	9.7	10	85	127	40	125.1
RPO-098007	9.8	10	85	127	40	125.0
RPO-099007	9.9	10	85	127	40	125.0
RPO-100007	10.0	10	85	127	40	125.0
RPO-102007	10.2	12	90	137	45	135.0
RPO-105007	10.5	12	90	137	45	134.9
RPO-108007	10.8	12	90	137	45	134.8
RPO-110007	11.0	12	95	142	45	139.8
RPO-112007	11.2	12	95	142	45	139.8
RPO-114007	11.4	12	95	142	45	139.7
RPO-115007	11.5	12	100	147	45	144.7
RPO-118007	11.8	12	100	147	45	144.6
RPO-120007	12.0	12	100	147	45	144.6
RPO-125007	12.5	14	120	167	45	164.5
RPO-130007	13.0	14	120	167	45	164.4
RPO-135007	13.5	14	120	167	45	164.3
RPO-140007	14.0	14	120	167	45	164.2
RPO-145007	14.5	16	135	185	48	182.1
RPO-150007	15.0	16	135	185	48	182.0
RPO-155007	15.5	16	135	185	48	181.9
RPO-160007	16.0	16	135	185	48	181.8
RPO-165007	16.5	18	150	200	48	196.7
RPO-170007	17.0	18	150	200	48	196.6
RPO-175007	17.5	18	150	200	48	196.5
RPO-180007	18.0	18	150	200	48	196.4
RPO-185007	18.5	20	168	220	50	216.3
RPO-190007	19.0	20	168	220	50	216.2
RPO-195007	19.5	20	168	220	50	216.1
RPO-200007	20.0	20	168	220	50	216.0

硬质合金钻头 Carbide Drill

SPE-03 SP通用钻头（3D）
Type-RP For General Machining (3D)





1.切削参数请参考AA083
2.单位：mm

1.Please refer to AA083 for cutting parameters.
2.Unit：mm

■SP系列钻头采用四平面钻尖设计，有自主定心能力；
■高性能涂层，有高速钢加工能力，适用于各种材料。

■The SP series drill adopts a four flat surface drill tip design, with independent centering ability;
■ High performance coating with high-speed steel processing capability, suitable for various materials.

Ti | DIN 6537 K | HA h6 | h8 | 30° | 140°

型号 Specification	DC	DCON	LCF	OAL	LS	LF
SPE-030003	3.0	6	20	62	36	61.3
SPE-031003	3.1	6	20	62	36	61.3
SPE-032003	3.2	6	20	62	36	61.3
SPE-033003	3.3	6	20	62	36	61.3
SPE-034003	3.4	6	20	62	36	61.3
SPE-035003	3.5	6	20	62	36	61.3
SPE-036003	3.6	6	20	62	36	61.3
SPE-037003	3.7	6	20	62	36	61.3
SPE-038003	3.8	6	24	66	36	65.2
SPE-039003	3.9	6	24	66	36	65.2
SPE-040003	4.0	6	24	66	36	65.2
SPE-041003	4.1	6	24	66	36	65.2
SPE-042003	4.2	6	24	66	36	65.2
SPE-043003	4.3	6	24	66	36	65.1
SPE-044003	4.4	6	24	66	36	65.1
SPE-045003	4.5	6	24	66	36	65.1
SPE-046003	4.6	6	24	66	36	65.1
SPE-047003	4.7	6	24	66	36	65.1
SPE-048003	4.8	6	28	66	36	65.0
SPE-049003	4.9	6	28	66	36	65.0
SPE-050003	5.0	6	28	66	36	65.0
SPE-051003	5.1	6	28	66	36	65.0
SPE-052003	5.2	6	28	66	36	65.0
SPE-053003	5.3	6	28	66	36	64.9
SPE-054003	5.4	6	28	66	36	64.9
SPE-055003	5.5	6	28	66	36	64.9
SPE-056003	5.6	6	28	66	36	64.9
SPE-057003	5.7	6	28	66	36	64.9
SPE-058003	5.8	6	28	66	36	64.8
SPE-059003	5.9	6	28	66	36	64.8
SPE-060003	6.0	6	28	66	36	64.8
SPE-061003	6.1	8	34	79	36	77.8
SPE-062003	6.2	8	34	79	36	77.8
SPE-063003	6.3	8	34	79	36	77.7
SPE-064003	6.4	8	34	79	36	77.7
SPE-065003	6.5	8	34	79	36	77.7
SPE-066003	6.6	8	34	79	36	77.7
SPE-067003	6.7	8	34	79	36	77.7
SPE-068003	6.8	8	34	79	36	77.8
SPE-069003	6.9	8	34	79	36	77.8
SPE-070003	7.0	8	34	79	36	77.8
SPE-071003	7.1	8	41	79	36	77.8

产品系列 Specification \ 工件材料 Work Piece	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium alloy	铸铁 Cast iron	不锈钢 Stainless steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%
SPE	■	■	■	◆	◆	□	□			□	□	◆	□		

适用： ■最佳 ◆适用 □能用　　Suit: ■Excellent ◆Good □OK

型号 Specification	DC	DCON	LCF	OAL	LS	LF
SPE-072003	7.2	8	41	79	36	77.6
SPE-073003	7.3	8	41	79	36	77.5
SPE-074003	7.4	8	41	79	36	77.5
SPE-075003	7.5	8	41	79	36	77.5
SPE-076003	7.6	8	41	79	36	77.5
SPE-077003	7.7	8	41	79	36	77.5
SPE-078003	7.8	8	41	79	36	77.4
SPE-079003	7.9	8	41	79	36	77.4
SPE-080003	8.0	8	41	79	36	77.4
SPE-081003	8.1	10	47	89	40	87.4
SPE-082003	8.2	10	47	89	40	87.4
SPE-083003	8.3	10	47	89	40	87.3
SPE-084003	8.4	10	47	89	40	87.3
SPE-085003	8.5	10	47	89	40	87.3
SPE-086003	8.6	10	47	89	40	87.3
SPE-087003	8.7	10	47	89	40	87.3
SPE-088003	8.8	10	47	89	40	87.2
SPE-089003	8.9	10	47	89	40	87.2
SPE-090003	9.0	10	47	89	40	87.2
SPE-091003	9.1	10	47	89	40	87.2
SPE-092003	9.2	10	47	89	40	87.2
SPE-093003	9.3	10	47	89	40	87.1
SPE-094003	9.4	10	47	89	40	87.1
SPE-095003	9.5	10	47	89	40	87.1
SPE-096003	9.6	10	47	89	40	87.1
SPE-097003	9.7	10	47	89	40	87.1
SPE-098003	9.8	10	47	89	40	87.0
SPE-099003	9.9	10	47	89	40	87.0
SPE-100003	10.0	10	47	89	40	87.0
SPE-101003	10.1	12	55	102	45	100.0
SPE-102003	10.2	12	55	102	45	100.0
SPE-103003	10.3	12	55	102	45	99.9
SPE-104003	10.4	12	55	102	45	99.9
SPE-105003	10.5	12	55	102	45	99.9
SPE-106003	10.6	12	55	102	45	99.9
SPE-107003	10.7	12	55	102	45	99.9
SPE-108003	10.8	12	55	102	45	99.8
SPE-109003	10.9	12	55	102	45	99.8
SPE-110003	11.0	12	55	102	45	99.8
SPE-111003	11.1	12	55	102	45	99.8
SPE-112003	11.2	12	55	102	45	99.8
SPE-113003	11.3	12	55	102	45	99.7
SPE-114003	11.4	12	55	102	45	99.7
SPE-115003	11.5	12	55	102	45	99.7
SPE-116003	11.6	12	55	102	45	99.7
SPE-117003	11.7	12	55	102	45	99.7
SPE-118003	11.8	12	55	102	45	99.6
SPE-119003	11.9	12	55	102	45	99.6
SPE-120003	12.0	12	55	102	45	99.6
SPE-121003	12.1	14	60	107	45	104.6
SPE-122003	12.2	14	60	107	45	104.6
SPE-123003	12.3	14	60	107	45	104.5
SPE-124003	12.4	14	60	107	45	104.5
SPE-125003	12.5	14	60	107	45	104.5

工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium alloy	铸铁 Cast iron	不锈钢 Stainless steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%
SPE	■	■	■	◆	◆	□	□			□	□	◆	□		

适用： ■最佳 ◆适用 □能用 Suit: ■Excellent ◆Good □OK

型号 Specification	DC	DCON	LCF	OAL	LS	LF
SPE-126003	12.6	14	60	107	45	104.5
SPE-127003	12.7	14	60	107	45	104.5
SPE-128003	12.8	14	60	107	45	104.4
SPE-129003	12.9	14	60	107	45	104.4
SPE-130003	13.0	14	60	107	45	104.4
SPE-131003	13.1	14	60	107	45	104.4
SPE-132003	13.2	14	60	107	45	104.4
SPE-133003	13.3	14	60	107	45	104.3
SPE-134003	13.4	14	60	107	45	104.3
SPE-135003	13.5	14	60	107	45	104.3
SPE-136003	13.6	14	60	107	45	104.3
SPE-137003	13.7	14	60	107	45	104.3
SPE-138003	13.8	14	60	107	45	104.2
SPE-139003	13.9	14	60	107	45	104.2
SPE-140003	14.0	14	60	107	45	104.2
SPE-141003	14.1	16	65	115	48	112.2
SPE-142003	14.2	16	65	115	48	112.2
SPE-143003	14.3	16	65	115	48	112.1
SPE-144003	14.4	16	65	115	48	112.1
SPE-145003	14.5	16	65	115	48	112.1
SPE-146003	14.6	16	65	115	48	112.1
SPE-147003	14.7	16	65	115	48	112.1
SPE-148003	14.8	16	65	115	48	112.0
SPE-149003	14.9	16	65	115	48	112.0
SPE-150003	15.0	16	65	115	48	112.0
SPE-151003	15.1	16	65	115	48	112.0
SPE-152003	15.2	16	65	115	48	112.0
SPE-153003	15.3	16	65	115	48	111.9
SPE-154003	15.4	16	65	115	48	111.9
SPE-155003	15.5	16	65	115	48	111.9
SPE-156003	15.6	16	65	115	48	111.9
SPE-157003	15.7	16	65	115	48	111.9
SPE-158003	15.8	16	65	115	48	111.8
SPE-159003	15.9	16	65	115	48	111.8
SPE-160003	16.0	16	65	115	48	111.8
SPE-161003	16.1	18	73	123	48	119.8
SPE-162003	16.2	18	73	123	48	119.8
SPE-163003	16.3	18	73	123	48	119.7
SPE-164003	16.4	18	73	123	48	119.7
SPE-165003	16.5	18	73	123	48	119.7
SPE-166003	16.6	18	73	123	48	119.7
SPE-167003	16.7	18	73	123	48	119.7
SPE-168003	16.8	18	73	123	48	119.6
SPE-169003	16.9	18	73	123	48	119.6
SPE-170003	17.0	18	73	123	48	119.6
SPE-171003	17.1	18	73	123	48	119.6
SPE-172003	17.2	18	73	123	48	119.6
SPE-173003	17.3	18	73	123	48	119.5
SPE-174003	17.4	18	73	123	48	119.5
SPE-175003	17.5	18	73	123	48	119.5
SPE-176003	17.6	18	73	123	48	119.5
SPE-177003	17.7	18	73	123	48	119.5
SPE-178003	17.8	18	73	123	48	119.4
SPE-179003	17.9	18	73	123	48	119.4

工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium alloy	铸铁 Cast iron	不锈钢 Stainless steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%
SPE	■	■	■	◆	◆	□	□			□	□	◆	□		

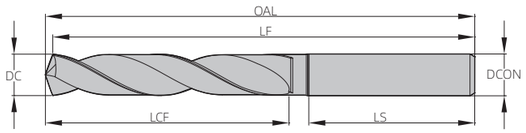
适用： ■最佳 ◆适用 □能用 Suit: ■Excellent ◆Good □OK

型号 Specification	DC	DCON	LCF	OAL	LS	LF
SPE-180003	18.0	18	73	123	48	119
SPE-181003	18.1	20	79	131	50	127
SPE-182003	18.2	20	79	131	50	127
SPE-183003	18.3	20	79	131	50	127
SPE-184003	18.4	20	79	131	50	127
SPE-185003	18.5	20	79	131	50	127
SPE-186003	18.6	20	79	131	50	127
SPE-187003	18.7	20	79	131	50	127
SPE-188003	18.8	20	79	131	50	127
SPE-189003	18.9	20	79	131	50	127
SPE-190003	19.0	20	79	131	50	127
SPE-191003	19.1	20	79	131	50	127
SPE-192003	19.2	20	79	131	50	127
SPE-193003	19.3	20	79	131	50	127
SPE-194003	19.4	20	79	131	50	127
SPE-195003	19.5	20	79	131	50	127
SPE-196003	19.6	20	79	131	50	127
SPE-197003	19.7	20	79	131	50	127
SPE-198003	19.8	20	79	131	50	127
SPE-199003	19.9	20	79	131	50	127
SPE-200003	20.0	20	79	131	50	127

硬质合金钻头 Carbide Drill

SPE-05 SP通用钻头（5D）
Type-SP For General Machining (5D)





1.切削参数请参考AA083
2.单位：mm

1.Please refer to AA083 for cutting parameters.
2.Unit：mm

■SP系列钻头采用四平面钻尖设计，有自主定心能力；
■高性能涂层，有高速钢加工能力，适用于各种材料。

■The SP series drill adopts a four flat surface drill tip design, with independent centering ability;
■ High performance coating with high-speed steel processing capability, suitable for various materials.

Ti | DIN 6537 L | HA h6 | h8 | 30° | 140°

型号 Specification	DC	DCON	LCF	OAL	LS	LF
SPE-030005	3.0	6	28	66	36	65.4
SPE-031005	3.1	6	28	66	36	65.4
SPE-032005	3.2	6	28	66	36	65.4
SPE-033005	3.3	6	28	66	36	65.3
SPE-034005	3.4	6	28	66	36	65.3
SPE-035005	3.5	6	28	66	36	65.3
SPE-036005	3.6	6	28	66	36	65.3
SPE-037005	3.7	6	28	66	36	65.3
SPE-038005	3.8	6	36	74	36	73.2
SPE-039005	3.9	6	36	74	36	73.2
SPE-040005	4.0	6	36	74	36	73.2
SPE-041005	4.1	6	36	74	36	73.2
SPE-042005	4.2	6	36	74	36	73.2
SPE-043005	4.3	6	36	74	36	73.1
SPE-044005	4.4	6	36	74	36	73.1
SPE-045005	4.5	6	36	74	36	73.1
SPE-046005	4.6	6	36	74	36	73.1
SPE-047005	4.7	6	36	74	36	73.1
SPE-048005	4.8	6	44	82	36	81.0
SPE-049005	4.9	6	44	82	36	81.0
SPE-050005	5.0	6	44	82	36	81.0
SPE-051005	5.1	6	44	82	36	81.0
SPE-052005	5.2	6	44	82	36	81.0
SPE-053005	5.3	6	44	82	36	80.9
SPE-054005	5.4	6	44	82	36	80.9
SPE-055005	5.5	6	44	82	36	80.9
SPE-056005	5.6	6	44	82	36	80.9
SPE-057005	5.7	6	44	82	36	80.9
SPE-058005	5.8	6	44	82	36	80.8
SPE-059005	5.9	6	44	82	36	80.8
SPE-060005	6.0	6	44	82	36	80.8
SPE-061005	6.1	8	53	91	36	89.8
SPE-062005	6.2	8	53	91	36	89.8
SPE-063005	6.3	8	53	91	36	89.7
SPE-064005	6.4	8	53	91	36	89.7
SPE-065005	6.5	8	53	91	36	89.7
SPE-066005	6.6	8	53	91	36	89.7
SPE-067005	6.7	8	53	91	36	89.7
SPE-068005	6.8	8	53	91	36	89.6
SPE-069005	6.9	8	53	91	36	89.6
SPE-070005	7.0	8	53	91	36	89.6
SPE-071005	7.1	8	53	91	36	89.6

工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium alloy	铸铁 Cast iron	不锈钢 Stainless steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%
SPE	■	■	■	◆	◆	□	□			□	□	◆	□		

适用： ■最佳 ◆适用 □能用　　Suit: ■Excellent ◆Good □OK

型号 Specification	DC	DCON	LCF	OAL	LS	LF
SPE-072005	7.2	8	53	91	36	89.6
SPE-073005	7.3	8	53	91	36	89.5
SPE-074005	7.4	8	53	91	36	89.5
SPE-075005	7.5	8	53	91	36	89.5
SPE-076005	7.6	8	53	91	36	89.5
SPE-077005	7.7	8	53	91	36	89.5
SPE-078005	7.8	8	53	91	36	89.4
SPE-079005	7.9	8	53	91	36	89.4
SPE-080005	8.0	8	53	91	36	89.4
SPE-081005	8.1	10	61	103	40	101.4
SPE-082005	8.2	10	61	103	40	101.4
SPE-083005	8.3	10	61	103	40	101.3
SPE-084005	8.4	10	61	103	40	101.3
SPE-085005	8.5	10	61	103	40	101.3
SPE-086005	8.6	10	61	103	40	101.3
SPE-087005	8.7	10	61	103	40	101.3
SPE-088005	8.8	10	61	103	40	101.2
SPE-089005	8.9	10	61	103	40	101.2
SPE-090005	9.0	10	61	103	40	101.2
SPE-091005	9.1	10	61	103	40	101.2
SPE-092005	9.2	10	61	103	40	101.2
SPE-093005	9.3	10	61	103	40	101.1
SPE-094005	9.4	10	61	103	40	101.1
SPE-095005	9.5	10	61	103	40	101.1
SPE-096005	9.6	10	61	103	40	101.1
SPE-097005	9.7	10	61	103	40	101.1
SPE-098005	9.8	10	61	103	40	101.0
SPE-099005	9.9	10	61	103	40	101.0
SPE-100005	10.0	10	61	103	40	101.0
SPE-101005	10.1	12	71	118	45	116.0
SPE-102005	10.2	12	71	118	45	116.0
SPE-103005	10.3	12	71	118	45	115.9
SPE-104005	10.4	12	71	118	45	115.9
SPE-105005	10.5	12	71	118	45	115.9
SPE-106005	10.6	12	71	118	45	115.9
SPE-107005	10.7	12	71	118	45	115.9
SPE-108005	10.8	12	71	118	45	115.8
SPE-109005	10.9	12	71	118	45	115.8
SPE-110005	11.0	12	71	118	45	115.8
SPE-111005	11.1	12	71	118	45	115.8
SPE-112005	11.2	12	71	118	45	115.8
SPE-113005	11.3	12	71	118	45	115.7
SPE-114005	11.4	12	71	118	45	115.7
SPE-115005	11.5	12	71	118	45	115.7
SPE-116005	11.6	12	71	118	45	115.7
SPE-117005	11.7	12	71	118	45	115.7
SPE-118005	11.8	12	71	118	45	115.6
SPE-119005	11.9	12	71	118	45	115.6
SPE-120005	12.0	12	71	118	45	115.6
SPE-121005	12.1	14	77	124	45	121.6
SPE-122005	12.2	14	77	124	45	121.6
SPE-123005	12.3	14	77	124	45	121.5
SPE-124005	12.4	14	77	124	45	121.5
SPE-125005	12.5	14	77	124	45	121.5

工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium alloy	铸铁 Cast iron	不锈钢 Stainless steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%
SPE	■	■	■	◆	◆	□	□			□	□	◆	□		

适用： ■最佳 ◆适用 □能用 Suit: ■Excellent ◆Good □OK

型号 Specification	DC	DCON	LCF	OAL	LS	LF
SPE-126005	12.6	14	77	124	45	121.5
SPE-127005	12.7	14	77	124	45	121.5
SPE-128005	12.8	14	77	124	45	121.4
SPE-129005	12.9	14	77	124	45	121.4
SPE-130005	13.0	14	77	124	45	121.4
SPE-131005	13.1	14	77	124	45	121.4
SPE-132005	13.2	14	77	124	45	121.4
SPE-133005	13.3	14	77	124	45	121.3
SPE-134005	13.4	14	77	124	45	121.3
SPE-135005	13.5	14	77	124	45	121.3
SPE-136005	13.6	14	77	124	45	121.3
SPE-137005	13.7	14	77	124	45	121.3
SPE-138005	13.8	14	77	124	45	121.2
SPE-139005	13.9	14	77	124	45	121.2
SPE-140005	14.0	14	77	124	45	121.2
SPE-141005	14.1	16	83	133	48	130.2
SPE-142005	14.2	16	83	133	48	130.2
SPE-143005	14.3	16	83	133	48	130.1
SPE-144005	14.4	16	83	133	48	130.1
SPE-145005	14.5	16	83	133	48	130.1
SPE-146005	14.6	16	83	133	48	130.1
SPE-147005	14.7	16	83	133	48	130.1
SPE-148005	14.8	16	83	133	48	130.0
SPE-149005	14.9	16	83	133	48	130.0
SPE-150005	15.0	16	83	133	48	130.0
SPE-151005	15.1	16	83	133	48	130.0
SPE-152005	15.2	16	83	133	48	130.0
SPE-153005	15.3	16	83	133	48	129.9
SPE-154005	15.4	16	83	133	48	129.9
SPE-155005	15.5	16	83	133	48	129.9
SPE-156005	15.6	16	83	133	48	129.9
SPE-157005	15.7	16	83	133	48	129.9
SPE-158005	15.8	16	83	133	48	129.8
SPE-159005	15.9	16	83	133	48	129.8
SPE-160005	16.0	16	83	133	48	129.8
SPE-161005	16.1	18	93	143	48	139.8
SPE-162005	16.2	18	93	143	48	139.8
SPE-163005	16.3	18	93	143	48	139.7
SPE-164005	16.4	18	93	143	48	139.7
SPE-165005	16.5	18	93	143	48	139.7
SPE-166005	16.6	18	93	143	48	139.7
SPE-167005	16.7	18	93	143	48	139.7
SPE-168005	16.8	18	93	143	48	139.6
SPE-169005	16.9	18	93	143	48	139.6
SPE-170005	17.0	18	93	143	48	139.6
SPE-171005	17.1	18	93	143	48	139.6
SPE-172005	17.2	18	93	143	48	139.6
SPE-173005	17.3	18	93	143	48	139.5
SPE-174005	17.4	18	93	143	48	139.5
SPE-175005	17.5	18	93	143	48	139.5
SPE-176005	17.6	18	93	143	48	139.5
SPE-177005	17.7	18	93	143	48	139.5
SPE-178005	17.8	18	93	143	48	139.4
SPE-179005	17.9	18	93	143	48	139.4

工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium alloy	铸铁 Cast iron	不锈钢 Stainless steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%
SPE	■	■	■	◆	◆	□	□			□	□	◆	□		

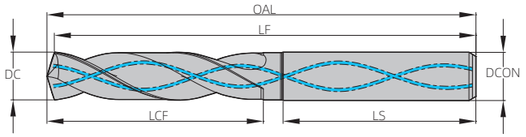
适用： ■最佳 ◆适用 □能用 Suit: ■Excellent ◆Good □OK

型号 Specification	DC	DCON	LCF	OAL	LS	LF
SPE-180005	18.0	18	93	143	48	139.4
SPE-181005	18.1	20	101	153	50	149.4
SPE-182005	18.2	20	101	153	50	149.4
SPE-183005	18.3	20	101	153	50	149.3
SPE-184005	18.4	20	101	153	50	149.3
SPE-185005	18.5	20	101	153	50	149.3
SPE-186005	18.6	20	101	153	50	149.3
SPE-187005	18.7	20	101	153	50	149.3
SPE-188005	18.8	20	101	153	50	149.2
SPE-189005	18.9	20	101	153	50	149.2
SPE-190005	19.0	20	101	153	50	149.2
SPE-191005	19.1	20	101	153	50	149.2
SPE-192005	19.2	20	101	153	50	149.2
SPE-193005	19.3	20	101	153	50	149.1
SPE-194005	19.4	20	101	153	50	149.1
SPE-195005	19.5	20	101	153	50	149.1
SPE-196005	19.6	20	101	153	50	149.1
SPE-197005	19.7	20	101	153	50	149.1
SPE-198005	19.8	20	101	153	50	149.0
SPE-199005	19.9	20	101	153	50	149.0
SPE-200005	20.0	20	101	153	50	149.0

硬质合金钻头 Carbide Drill

SPO-03 SP通用内冷钻头（3D）
Type-SP With Internal Coolant For General Machining (3D)





1.切削参数请参考AA083
2.单位：mm

1.Please refer to AA083 for cutting parameters.
2.Unit：mm

■SP系列钻头采用四平面钻尖设计，有自主定心能力；
■高性能涂层，有高速钢加工能力，适用于各种材料。

■The SP series drill adopts a four flat surface drill tip design, with independent centering ability;
■ High performance coating with high-speed steel processing capability, suitable for various materials.

Ti | DIN 6537 K | HA h6 | h8 | 30° | 140°

型号 Specification	DC	DCON	LCF	OAL	LS	LF
SPO-030003	3.0	4	20	62	36	61.3
SPO-031003	3.1	4	20	62	36	61.3
SPO-032003	3.2	4	20	62	36	61.3
SPO-033003	3.3	4	20	62	36	61.3
SPO-034003	3.4	4	20	62	36	61.3
SPO-035003	3.5	4	20	62	36	61.3
SPO-036003	3.6	4	20	62	36	61.3
SPO-037003	3.7	4	20	62	36	61.3
SPO-038003	3.8	4	24	66	36	65.2
SPO-039003	3.9	4	24	66	36	65.2
SPO-040003	4.0	4	24	66	36	65.2
SPO-041003	4.1	6	24	66	36	65.2
SPO-042003	4.2	6	24	66	36	65.2
SPO-043003	4.3	6	24	66	36	65.1
SPO-044003	4.4	6	24	66	36	65.1
SPO-045003	4.5	6	24	66	36	65.1
SPO-046003	4.6	6	24	66	36	65.1
SPO-047003	4.7	6	24	66	36	65.1
SPO-048003	4.8	6	28	66	36	65.0
SPO-049003	4.9	6	28	66	36	65.0
SPO-050003	5.0	6	28	66	36	65.0
SPO-051003	5.1	6	28	66	36	65.0
SPO-052003	5.2	6	28	66	36	65.0
SPO-053003	5.3	6	28	66	36	64.9
SPO-054003	5.4	6	28	66	36	64.9
SPO-055003	5.5	6	28	66	36	64.9
SPO-056003	5.6	6	28	66	36	64.9
SPO-057003	5.7	6	28	66	36	64.9
SPO-058003	5.8	6	28	66	36	64.8
SPO-059003	5.9	6	28	66	36	64.8
SPO-060003	6.0	6	28	66	36	64.8
SPO-061003	6.1	8	34	79	36	77.8
SPO-062003	6.2	8	34	79	36	77.8
SPO-063003	6.3	8	34	79	36	77.7
SPO-064003	6.4	8	34	79	36	77.7
SPO-065003	6.5	8	34	79	36	77.7
SPO-066003	6.6	8	34	79	36	77.7
SPO-067003	6.7	8	34	79	36	77.7
SPO-068003	6.8	8	34	79	36	77.8
SPO-069003	6.9	8	34	79	36	77.8
SPO-070003	7.0	8	34	79	36	77.8
SPO-071003	7.1	8	41	79	36	77.8

工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium alloy	铸铁 Cast iron	不锈钢 Stainless steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%
SPO	■	■	■	◆	◆	□	□			□	□	◆	□		

适用： ■ 最佳 ◆适用 □能用　　Suit: ■Excellent ◆Good □OK

型号 Specification	DC	DCON	LCF	OAL	LS	LF
SPO-072003	7.2	8	41	79	36	77.6
SPO-073003	7.3	8	41	79	36	77.5
SPO-074003	7.4	8	41	79	36	77.5
SPO-075003	7.5	8	41	79	36	77.5
SPO-076003	7.6	8	41	79	36	77.5
SPO-077003	7.7	8	41	79	36	77.5
SPO-078003	7.8	8	41	79	36	77.4
SPO-079003	7.9	8	41	79	36	77.4
SPO-080003	8.0	8	41	79	36	77.4
SPO-081003	8.1	10	47	89	40	87.4
SPO-082003	8.2	10	47	89	40	87.4
SPO-083003	8.3	10	47	89	40	87.3
SPO-084003	8.4	10	47	89	40	87.3
SPO-085003	8.5	10	47	89	40	87.3
SPO-086003	8.6	10	47	89	40	87.3
SPO-087003	8.7	10	47	89	40	87.3
SPO-088003	8.8	10	47	89	40	87.2
SPO-089003	8.9	10	47	89	40	87.2
SPO-090003	9.0	10	47	89	40	87.2
SPO-091003	9.1	10	47	89	40	87.2
SPO-092003	9.2	10	47	89	40	87.2
SPO-093003	9.3	10	47	89	40	87.1
SPO-094003	9.4	10	47	89	40	87.1
SPO-095003	9.5	10	47	89	40	87.1
SPO-096003	9.6	10	47	89	40	87.1
SPO-097003	9.7	10	47	89	40	87.1
SPO-098003	9.8	10	47	89	40	87.0
SPO-099003	9.9	10	47	89	40	87.0
SPO-100003	10.0	10	47	89	40	87.0
SPO-101003	10.1	12	55	102	45	100.0
SPO-102003	10.2	12	55	102	45	100.0
SPO-103003	10.3	12	55	102	45	99.9
SPO-104003	10.4	12	55	102	45	99.9
SPO-105003	10.5	12	55	102	45	99.9
SPO-106003	10.6	12	55	102	45	99.9
SPO-107003	10.7	12	55	102	45	99.9
SPO-108003	10.8	12	55	102	45	99.8
SPO-109003	10.9	12	55	102	45	99.8
SPO-110003	11.0	12	55	102	45	99.8
SPO-111003	11.1	12	55	102	45	99.8
SPO-112003	11.2	12	55	102	45	99.8
SPO-113003	11.3	12	55	102	45	99.7
SPO-114003	11.4	12	55	102	45	99.7
SPO-115003	11.5	12	55	102	45	99.7
SPO-116003	11.6	12	55	102	45	99.7
SPO-117003	11.7	12	55	102	45	99.7
SPO-118003	11.8	12	55	102	45	99.6
SPO-119003	11.9	12	55	102	45	99.6
SPO-120003	12.0	12	55	102	45	99.6
SPO-121003	12.1	14	60	107	45	104.6
SPO-122003	12.2	14	60	107	45	104.6
SPO-123003	12.3	14	60	107	45	104.5
SPO-124003	12.4	14	60	107	45	104.5
SPO-125003	12.5	14	60	107	45	104.5

工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium alloy	铸铁 Cast iron	不锈钢 Stainless steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%
SPO	■	■	■	◆	◆	□	□			□	□	◆	□		

适用： ■最佳 ◆适用 □能用　　Suit: ■Excellent ◆Good □OK

型号 Specification	DC	DCON	LCF	OAL	LS	LF
SPO-126003	12.6	14	60	107	45	104.5
SPO-127003	12.7	14	60	107	45	104.5
SPO-128003	12.8	14	60	107	45	104.4
SPO-129003	12.9	14	60	107	45	104.4
SPO-130003	13.0	14	60	107	45	104.4
SPO-131003	13.1	14	60	107	45	104.4
SPO-132003	13.2	14	60	107	45	104.4
SPO-133003	13.3	14	60	107	45	104.3
SPO-134003	13.4	14	60	107	45	104.3
SPO-135003	13.5	14	60	107	45	104.3
SPO-136003	13.6	14	60	107	45	104.3
SPO-137003	13.7	14	60	107	45	104.3
SPO-138003	13.8	14	60	107	45	104.2
SPO-139003	13.9	14	60	107	45	104.2
SPO-140003	14.0	14	60	107	45	104.2
SPO-141003	14.1	16	65	115	48	112.2
SPO-142003	14.2	16	65	115	48	112.2
SPO-143003	14.3	16	65	115	48	112.1
SPO-144003	14.4	16	65	115	48	112.1
SPO-145003	14.5	16	65	115	48	112.1
SPO-146003	14.6	16	65	115	48	112.1
SPO-147003	14.7	16	65	115	48	112.1
SPO-148003	14.8	16	65	115	48	112.0
SPO-149003	14.9	16	65	115	48	112.0
SPO-150003	15.0	16	65	115	48	112.0
SPO-151003	15.1	16	65	115	48	112.0
SPO-152003	15.2	16	65	115	48	112.0
SPO-153003	15.3	16	65	115	48	111.9
SPO-154003	15.4	16	65	115	48	111.9
SPO-155003	15.5	16	65	115	48	111.9
SPO-156003	15.6	16	65	115	48	111.9
SPO-157003	15.7	16	65	115	48	111.9
SPO-158003	15.8	16	65	115	48	111.8
SPO-159003	15.9	16	65	115	48	111.8
SPO-160003	16.0	16	65	115	48	111.8
SPO-161003	16.1	18	73	123	48	119.8
SPO-162003	16.2	18	73	123	48	119.8
SPO-163003	16.3	18	73	123	48	119.7
SPO-164003	16.4	18	73	123	48	119.7
SPO-165003	16.5	18	73	123	48	119.7
SPO-166003	16.6	18	73	123	48	119.7
SPO-167003	16.7	18	73	123	48	119.7
SPO-168003	16.8	18	73	123	48	119.6
SPO-169003	16.9	18	73	123	48	119.6
SPO-170003	17.0	18	73	123	48	119.6
SPO-171003	17.1	18	73	123	48	119.6
SPO-172003	17.2	18	73	123	48	119.6
SPO-173003	17.3	18	73	123	48	119.5
SPO-174003	17.4	18	73	123	48	119.5
SPO-175003	17.5	18	73	123	48	119.5
SPO-176003	17.6	18	73	123	48	119.5
SPO-177003	17.7	18	73	123	48	119.5
SPO-178003	17.8	18	73	123	48	119.4
SPO-179003	17.9	18	73	123	48	119.4

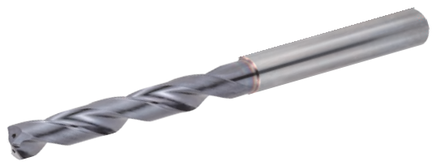
工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium alloy	铸铁 Cast iron	不锈钢 Stainless steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%
SPO	■	■	■	◆	◆	□	□			□	□	◆	□		

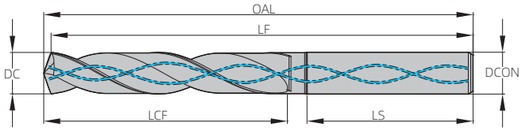
适用： ■最佳 ◆适用 □能用　　Suit: ■Excellent ◆Good □OK

型号 Specification	DC	DCON	LCF	OAL	LS	LF
SPO-180003	18.0	18	73	123	48	119
SPO-181003	18.1	20	79	131	50	127
SPO-182003	18.2	20	79	131	50	127
SPO-183003	18.3	20	79	131	50	127
SPO-184003	18.4	20	79	131	50	127
SPO-185003	18.5	20	79	131	50	127
SPO-186003	18.6	20	79	131	50	127
SPO-187003	18.7	20	79	131	50	127
SPO-188003	18.8	20	79	131	50	127
SPO-189003	18.9	20	79	131	50	127
SPO-190003	19.0	20	79	131	50	127
SPO-191003	19.1	20	79	131	50	127
SPO-192003	19.2	20	79	131	50	127
SPO-193003	19.3	20	79	131	50	127
SPO-194003	19.4	20	79	131	50	127
SPO-195003	19.5	20	79	131	50	127
SPO-196003	19.6	20	79	131	50	127
SPO-197003	19.7	20	79	131	50	127
SPO-198003	19.8	20	79	131	50	127
SPO-199003	19.9	20	79	131	50	127
SPO-200003	20.0	20	79	131	50	127

硬质合金钻头 Carbide Drill

SPO-05 SP通用内冷钻头（5D）
Type-SP With Internal Coolant For General Machining (5D)





Ti | DIN 6537 L | HA h6 | h8 | 30° | 140°

1.切削参数请参考AA083
2.单位：mm

1.Please refer to AA083 for cutting parameters.
2.Unit：mm

■SP系列钻头采用四平面钻尖设计，有自主定心能力；
■高性能涂层，有高速钢加工能力，适用于各种材料。

■The SP series drill adopts a four flat surface drill tip design, with independent centering ability;
■ High performance coating with high-speed steel processing capability, suitable for various materials.

型号 Specification	DC	DCON	LCF	OAL	LS	LF
SPO-030005	3.0	4	28	66	36	65.4
SPO-031005	3.1	4	28	66	36	65.4
SPO-032005	3.2	4	28	66	36	65.4
SPO-033005	3.3	4	28	66	36	65.3
SPO-034005	3.4	4	28	66	36	65.3
SPO-035005	3.5	4	28	66	36	65.3
SPO-036005	3.6	4	28	66	36	65.3
SPO-037005	3.7	4	28	66	36	65.3
SPO-038005	3.8	4	36	74	36	73.2
SPO-039005	3.9	4	36	74	36	73.2
SPO-040005	4.0	4	36	74	36	73.2
SPO-041005	4.1	6	36	74	36	73.2
SPO-042005	4.2	6	36	74	36	73.2
SPO-043005	4.3	6	36	74	36	73.1
SPO-044005	4.4	6	36	74	36	73.1
SPO-045005	4.5	6	36	74	36	73.1
SPO-046005	4.6	6	36	74	36	73.1
SPO-047005	4.7	6	36	74	36	73.1
SPO-048005	4.8	6	44	82	36	81.0
SPO-049005	4.9	6	44	82	36	81.0
SPO-050005	5.0	6	44	82	36	81.0
SPO-051005	5.1	6	44	82	36	81.0
SPO-052005	5.2	6	44	82	36	81.0
SPO-053005	5.3	6	44	82	36	80.9
SPO-054005	5.4	6	44	82	36	80.9
SPO-055005	5.5	6	44	82	36	80.9
SPO-056005	5.6	6	44	82	36	80.9
SPO-057005	5.7	6	44	82	36	80.9
SPO-058005	5.8	6	44	82	36	80.8
SPO-059005	5.9	6	44	82	36	80.8
SPO-060005	6.0	6	44	82	36	80.8
SPO-061005	6.1	8	53	91	36	89.8
SPO-062005	6.2	8	53	91	36	89.8
SPO-063005	6.3	8	53	91	36	89.7
SPO-064005	6.4	8	53	91	36	89.7
SPO-065005	6.5	8	53	91	36	89.7
SPO-066005	6.6	8	53	91	36	89.7
SPO-067005	6.7	8	53	91	36	89.7
SPO-068005	6.8	8	53	91	36	89.6
SPO-069005	6.9	8	53	91	36	89.6
SPO-070005	7.0	8	53	91	36	89.6
SPO-071005	7.1	8	53	91	36	89.6

工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium alloy	铸铁 Cast iron	不锈钢 Stainless steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%
SPO	■	■	■	◆	◆	□	□			□	□	◆	□		

适用： ■最佳 ◆适用 □能用　　Suit: ■Excellent ◆Good □OK

型号 Specification	DC	DCON	LCF	OAL	LS	LF
SPO-072005	7.2	8	53	91	36	89.6
SPO-073005	7.3	8	53	91	36	89.5
SPO-074005	7.4	8	53	91	36	89.5
SPO-075005	7.5	8	53	91	36	89.5
SPO-076005	7.6	8	53	91	36	89.5
SPO-077005	7.7	8	53	91	36	89.5
SPO-078005	7.8	8	53	91	36	89.4
SPO-079005	7.9	8	53	91	36	89.4
SPO-080005	8.0	8	53	91	36	89.4
SPO-081005	8.1	10	61	103	40	101.4
SPO-082005	8.2	10	61	103	40	101.4
SPO-083005	8.3	10	61	103	40	101.3
SPO-084005	8.4	10	61	103	40	101.3
SPO-085005	8.5	10	61	103	40	101.3
SPO-086005	8.6	10	61	103	40	101.3
SPO-087005	8.7	10	61	103	40	101.3
SPO-088005	8.8	10	61	103	40	101.2
SPO-089005	8.9	10	61	103	40	101.2
SPO-090005	9.0	10	61	103	40	101.2
SPO-091005	9.1	10	61	103	40	101.2
SPO-092005	9.2	10	61	103	40	101.2
SPO-093005	9.3	10	61	103	40	101.1
SPO-094005	9.4	10	61	103	40	101.1
SPO-095005	9.5	10	61	103	40	101.1
SPO-096005	9.6	10	61	103	40	101.1
SPO-097005	9.7	10	61	103	40	101.1
SPO-098005	9.8	10	61	103	40	101.0
SPO-099005	9.9	10	61	103	40	101.0
SPO-100005	10.0	10	61	103	40	101.0
SPO-101005	10.1	12	71	118	45	116.0
SPO-102005	10.2	12	71	118	45	116.0
SPO-103005	10.3	12	71	118	45	115.9
SPO-104005	10.4	12	71	118	45	115.9
SPO-105005	10.5	12	71	118	45	115.9
SPO-106005	10.6	12	71	118	45	115.9
SPO-107005	10.7	12	71	118	45	115.9
SPO-108005	10.8	12	71	118	45	115.8
SPO-109005	10.9	12	71	118	45	115.8
SPO-110005	11.0	12	71	118	45	115.8
SPO-111005	11.1	12	71	118	45	115.8
SPO-112005	11.2	12	71	118	45	115.8
SPO-113005	11.3	12	71	118	45	115.7
SPO-114005	11.4	12	71	118	45	115.7
SPO-115005	11.5	12	71	118	45	115.7
SPO-116005	11.6	12	71	118	45	115.7
SPO-117005	11.7	12	71	118	45	115.7
SPO-118005	11.8	12	71	118	45	115.6
SPO-119005	11.9	12	71	118	45	115.6
SPO-120005	12.0	12	71	118	45	115.6
SPO-121005	12.1	14	77	124	45	121.6
SPO-122005	12.2	14	77	124	45	121.6
SPO-123005	12.3	14	77	124	45	121.5
SPO-124005	12.4	14	77	124	45	121.5
SPO-125005	12.5	14	77	124	45	121.5

工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium alloy	铸铁 Cast iron	不锈钢 Stainless steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%
SPO	■	■	■	◆	◆	□	□			□	□	◆	□		

适用： ■最佳 ◆适用 □能用　　Suit: ■Excellent ◆Good □OK

型号 Specification	DC	DCON	LCF	OAL	LS	LF
SPO-126005	12.6	14	77	124	45	121.5
SPO-127005	12.7	14	77	124	45	121.5
SPO-128005	12.8	14	77	124	45	121.4
SPO-129005	12.9	14	77	124	45	121.4
SPO-130005	13.0	14	77	124	45	121.4
SPO-131005	13.1	14	77	124	45	121.4
SPO-132005	13.2	14	77	124	45	121.4
SPO-133005	13.3	14	77	124	45	121.3
SPO-134005	13.4	14	77	124	45	121.3
SPO-135005	13.5	14	77	124	45	121.3
SPO-136005	13.6	14	77	124	45	121.3
SPO-137005	13.7	14	77	124	45	121.3
SPO-138005	13.8	14	77	124	45	121.2
SPO-139005	13.9	14	77	124	45	121.2
SPO-140005	14.0	14	77	124	45	121.2
SPO-141005	14.1	16	83	133	48	130.2
SPO-142005	14.2	16	83	133	48	130.2
SPO-143005	14.3	16	83	133	48	130.1
SPO-144005	14.4	16	83	133	48	130.1
SPO-145005	14.5	16	83	133	48	130.1
SPO-146005	14.6	16	83	133	48	130.1
SPO-147005	14.7	16	83	133	48	130.1
SPO-148005	14.8	16	83	133	48	130.0
SPO-149005	14.9	16	83	133	48	130.0
SPO-150005	15.0	16	83	133	48	130.0
SPO-151005	15.1	16	83	133	48	130.0
SPO-152005	15.2	16	83	133	48	130.0
SPO-153005	15.3	16	83	133	48	129.9
SPO-154005	15.4	16	83	133	48	129.9
SPO-155005	15.5	16	83	133	48	129.9
SPO-156005	15.6	16	83	133	48	129.9
SPO-157005	15.7	16	83	133	48	129.9
SPO-158005	15.8	16	83	133	48	129.8
SPO-159005	15.9	16	83	133	48	129.8
SPO-160005	16.0	16	83	133	48	129.8
SPO-161005	16.1	18	93	143	48	139.8
SPO-162005	16.2	18	93	143	48	139.8
SPO-163005	16.3	18	93	143	48	139.7
SPO-164005	16.4	18	93	143	48	139.7
SPO-165005	16.5	18	93	143	48	139.7
SPO-166005	16.6	18	93	143	48	139.7
SPO-167005	16.7	18	93	143	48	139.7
SPO-168005	16.8	18	93	143	48	139.6
SPO-169005	16.9	18	93	143	48	139.6
SPO-170005	17.0	18	93	143	48	139.6
SPO-171005	17.1	18	93	143	48	139.6
SPO-172005	17.2	18	93	143	48	139.6
SPO-173005	17.3	18	93	143	48	139.5
SPO-174005	17.4	18	93	143	48	139.5
SPO-175005	17.5	18	93	143	48	139.5
SPO-176005	17.6	18	93	143	48	139.5
SPO-177005	17.7	18	93	143	48	139.5
SPO-178005	17.8	18	93	143	48	139.4
SPO-179005	17.9	18	93	143	48	139.4

工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium alloy	铸铁 Cast iron	不锈钢 Stainless steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%
SPO	■	■	■	◆	◆	□	□			□	□	◆	□		

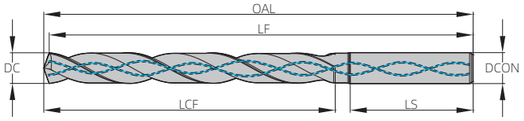
适用： ■最佳 ◆适用 □能用　　Suit: ■Excellent ◆Good □OK

型号 Specification	DC	DCON	LCF	OAL	LS	LF
SPO-180005	18.0	18	93	143	48	139.4
SPO-181005	18.1	20	101	153	50	149.4
SPO-182005	18.2	20	101	153	50	149.4
SPO-183005	18.3	20	101	153	50	149.3
SPO-184005	18.4	20	101	153	50	149.3
SPO-185005	18.5	20	101	153	50	149.3
SPO-186005	18.6	20	101	153	50	149.3
SPO-187005	18.7	20	101	153	50	149.3
SPO-188005	18.8	20	101	153	50	149.2
SPO-189005	18.9	20	101	153	50	149.2
SPO-190005	19.0	20	101	153	50	149.2
SPO-191005	19.1	20	101	153	50	149.2
SPO-192005	19.2	20	101	153	50	149.2
SPO-193005	19.3	20	101	153	50	149.1
SPO-194005	19.4	20	101	153	50	149.1
SPO-195005	19.5	20	101	153	50	149.1
SPO-196005	19.6	20	101	153	50	149.1
SPO-197005	19.7	20	101	153	50	149.1
SPO-198005	19.8	20	101	153	50	149.0
SPO-199005	19.9	20	101	153	50	149.0
SPO-200005	20.0	20	101	153	50	149.0

硬质合金钻头 Carbide Drill

SPO-07 | SP通用内冷钻头（7D）
Type-SP With Internal Coolant For General Machining (7D)





1.切削参数请参考AA083
2.单位：mm

1.Please refer to AA083 for cutting parameters.
2.Unit：mm

■SP系列钻头采用四平面钻尖设计，有自主定心能力；
■高性能涂层，有高速钢加工能力，适用于各种材料。

■The SP series drill adopts a four flat surface drill tip design, with independent centering ability;
■ High performance coating with high-speed steel processing capability, suitable for various materials.

Ti | EDV | HA h6 | h8 | 30° | 140°

型号 Specification	DC	DCON	LCF	OAL	LS	LF
SPO-030007	3.0	4	30	68	36	67.4
SPO-031007	3.1	4	30	68	36	67.4
SPO-032007	3.2	4	30	68	36	67.4
SPO-033007	3.3	4	35	73	36	72.3
SPO-034007	3.4	4	35	73	36	72.3
SPO-035007	3.5	4	35	73	36	72.3
SPO-036007	3.6	4	35	73	36	72.3
SPO-037007	3.7	4	35	73	36	72.3
SPO-038007	3.8	4	42	80	36	79.2
SPO-039007	3.9	4	42	80	36	79.2
SPO-040007	4.0	4	42	80	36	79.2
SPO-041007	4.1	6	42	80	36	79.2
SPO-042007	4.2	6	42	80	36	79.2
SPO-043007	4.3	6	42	80	36	79.1
SPO-044007	4.4	6	42	80	36	79.1
SPO-045007	4.5	6	42	80	36	79.1
SPO-046007	4.6	6	42	80	36	79.1
SPO-047007	4.7	6	42	80	36	79.1
SPO-048007	4.8	6	50	88	36	87.0
SPO-049007	4.9	6	50	88	36	87.0
SPO-050007	5.0	6	50	88	36	87.0
SPO-051007	5.1	6	50	88	36	87.0
SPO-052007	5.2	6	50	88	36	87.0
SPO-053007	5.3	6	50	88	36	86.9
SPO-054007	5.4	6	50	88	36	86.9
SPO-055007	5.5	6	50	88	36	86.9
SPO-056007	5.6	6	50	88	36	86.9
SPO-057007	5.7	6	50	88	36	86.9
SPO-058007	5.8	6	50	88	36	86.8
SPO-059007	5.9	6	50	88	36	86.8
SPO-060007	6.0	6	50	88	36	86.8
SPO-061007	6.1	8	57	95	36	96.8
SPO-062007	6.2	8	57	95	36	93.8
SPO-063007	6.3	8	57	95	36	93.7
SPO-064007	6.4	8	57	95	36	93.7
SPO-065007	6.5	8	57	95	36	93.7
SPO-066007	6.6	8	57	95	36	93.7
SPO-067007	6.7	8	57	95	36	93.7
SPO-068007	6.8	8	57	95	36	93.6
SPO-069007	6.9	8	64	102	36	100.6
SPO-070007	7.0	8	64	102	36	100.6
SPO-071007	7.1	8	64	102	36	100.6

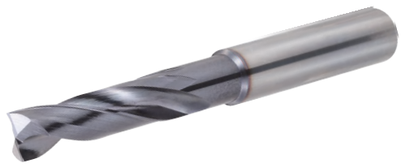
产品系列 Specification \ 工件材料 Work Piece	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium alloy	铸铁 Cast iron	不锈钢 Stainless steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%
SPO	■	■	■	◆	◆	□	□			□	◆	◆	□		

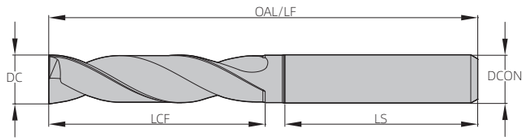
适用： ■最佳 ◆适用 □能用　　Suit: ■Excellent ◆Good □OK

型号 Specification	DC	DCON	LCF	OAL	LS	LF
SPO-072007	7.2	8	64	102	36	100.6
SPO-073007	7.3	8	64	102	36	100.5
SPO-074007	7.4	8	64	102	36	100.5
SPO-075007	7.5	8	64	102	36	100.5
SPO-076007	7.6	8	64	102	36	100.5
SPO-077007	7.7	8	64	102	36	100.5
SPO-078007	7.8	8	72	110	36	108.4
SPO-079007	7.9	8	72	110	36	108.4
SPO-080007	8.0	8	72	110	36	108.4
SPO-081007	8.1	10	72	114	40	112.4
SPO-082007	8.2	10	72	114	40	112.4
SPO-083007	8.3	10	72	114	40	112.3
SPO-084007	8.4	10	72	114	40	112.3
SPO-085007	8.5	10	72	114	40	112.3
SPO-086007	8.6	10	72	114	40	112.3
SPO-087007	8.7	10	79	121	40	119.3
SPO-088007	8.8	10	79	121	40	119.2
SPO-089007	8.9	10	79	121	40	119.2
SPO-090007	9.0	10	79	121	40	119.2
SPO-091007	9.1	10	79	121	40	119.2
SPO-092007	9.2	10	79	121	40	119.2
SPO-093007	9.3	10	79	121	40	119.1
SPO-094007	9.4	10	79	121	40	119.1
SPO-095007	9.5	10	79	121	40	119.1
SPO-096007	9.6	10	85	127	40	125.1
SPO-097007	9.7	10	85	127	40	125.1
SPO-098007	9.8	10	85	127	40	125.0
SPO-099007	9.9	10	85	127	40	125.0
SPO-100007	10.0	10	85	127	40	125.0
SPO-102007	10.2	12	90	137	45	135.0
SPO-105007	10.5	12	90	137	45	134.9
SPO-108007	10.8	12	90	137	45	134.8
SPO-110007	11.0	12	95	142	45	139.8
SPO-112007	11.2	12	95	142	45	139.8
SPO-114007	11.4	12	95	142	45	139.7
SPO-115007	11.5	12	100	147	45	144.7
SPO-118007	11.8	12	100	147	45	144.6
SPO-120007	12.0	12	100	147	45	144.6
SPO-125007	12.5	14	120	167	45	164.5
SPO-130007	13.0	14	120	167	45	164.4
SPO-135007	13.5	14	120	167	45	164.3
SPO-140007	14.0	14	120	167	45	164.2
SPO-145007	14.5	16	135	185	48	182.1
SPO-150007	15.0	16	135	185	48	182.0
SPO-155007	15.5	16	135	185	48	181.9
SPO-160007	16.0	16	135	185	48	181.8
SPO-165007	16.5	18	150	200	48	196.7
SPO-170007	17.0	18	150	200	48	196.6
SPO-175007	17.5	18	150	200	48	196.5
SPO-180007	18.0	18	150	200	48	196.4
SPO-185007	18.5	20	168	220	50	216.3
SPO-190007	19.0	20	168	220	50	216.2
SPO-195007	19.5	20	168	220	50	216.1
SPO-200007	20.0	20	168	220	50	216.0

硬质合金钻头 Carbide Drill

NPE-03 NP通用平底钻头（3D）
Type-NP Flat Drills For General Machining (3D)





1.切削参数请参考AA083
2.单位：mm

1.Please refer to AA083 for cutting parameters.
2.Unit：mm

■NP通用平底钻，应用于锪孔，平底孔，斜面和球面引导孔等多样化用途。
■NP universal flat-bottom drill, used for various purposes such as countersinking, flat-bottom holes, beveled and spherical pilot holes.

Ti | DIN 6537 K | HA h6 | h8 | 20° | 180°

型号 Specification	DC	DCON	LCF	OAL	LS
NPE-030003	3.0	6	20	62	36
NPE-031003	3.1	6	20	62	36
NPE-032003	3.2	6	20	62	36
NPE-033003	3.3	6	20	62	36
NPE-034003	3.4	6	20	62	36
NPE-035003	3.5	6	20	62	36
NPE-036003	3.6	6	20	62	36
NPE-037003	3.7	6	20	62	36
NPE-038003	3.8	6	24	66	36
NPE-039003	3.9	6	24	66	36
NPE-040003	4.0	6	24	66	36
NPE-041003	4.1	6	24	66	36
NPE-042003	4.2	6	24	66	36
NPE-043003	4.3	6	24	66	36
NPE-044003	4.4	6	24	66	36
NPE-045003	4.5	6	24	66	36
NPE-046003	4.6	6	24	66	36
NPE-047003	4.7	6	24	66	36
NPE-048003	4.8	6	28	66	36
NPE-049003	4.9	6	28	66	36
NPE-050003	5.0	6	28	66	36
NPE-051003	5.1	6	28	66	36
NPE-052003	5.2	6	28	66	36
NPE-053003	5.3	6	28	66	36
NPE-054003	5.4	6	28	66	36
NPE-055003	5.5	6	28	66	36
NPE-056003	5.6	6	28	66	36
NPE-057003	5.7	6	28	66	36
NPE-058003	5.8	6	28	66	36
NPE-059003	5.9	6	28	66	36
NPE-060003	6.0	6	28	66	36
NPE-061003	6.1	8	34	79	36
NPE-062003	6.2	8	34	79	36
NPE-063003	6.3	8	34	79	36
NPE-064003	6.4	8	34	79	36
NPE-065003	6.5	8	34	79	36
NPE-066003	6.6	8	34	79	36
NPE-067003	6.7	8	34	79	36
NPE-068003	6.8	8	34	79	36
NPE-069003	6.9	8	34	79	36
NPE-070003	7.0	8	34	79	36
NPE-071003	7.1	8	41	79	36

工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium alloy	铸铁 Cast iron	不锈钢 Stainless steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%
NPE	■	■	■	◆	◆	□	□			□	◆	◆	□		

适用： ■最佳 ◆适用 □能用　　Suit: ■Excellent ◆Good □OK

型号 Specification	DC	DCON	LCF	OAL	LS
NPE-072003	7.2	8	41	79	36
NPE-073003	7.3	8	41	79	36
NPE-074003	7.4	8	41	79	36
NPE-075003	7.5	8	41	79	36
NPE-076003	7.6	8	41	79	36
NPE-077003	7.7	8	41	79	36
NPE-078003	7.8	8	41	79	36
NPE-079003	7.9	8	41	79	36
NPE-080003	8.0	8	41	79	36
NPE-081003	8.1	10	47	89	40
NPE-082003	8.2	10	47	89	40
NPE-083003	8.3	10	47	89	40
NPE-084003	8.4	10	47	89	40
NPE-085003	8.5	10	47	89	40
NPE-086003	8.6	10	47	89	40
NPE-087003	8.7	10	47	89	40
NPE-088003	8.8	10	47	89	40
NPE-089003	8.9	10	47	89	40
NPE-090003	9.0	10	47	89	40
NPE-091003	9.1	10	47	89	40
NPE-092003	9.2	10	47	89	40
NPE-093003	9.3	10	47	89	40
NPE-094003	9.4	10	47	89	40
NPE-095003	9.5	10	47	89	40
NPE-096003	9.6	10	47	89	40
NPE-097003	9.7	10	47	89	40
NPE-098003	9.8	10	47	89	40
NPE-099003	9.9	10	47	89	40
NPE-100003	10.0	10	47	89	40
NPE-101003	10.1	12	55	102	45
NPE-102003	10.2	12	55	102	45
NPE-103003	10.3	12	55	102	45
NPE-104003	10.4	12	55	102	45
NPE-105003	10.5	12	55	102	45
NPE-106003	10.6	12	55	102	45
NPE-107003	10.7	12	55	102	45
NPE-108003	10.8	12	55	102	45
NPE-109003	10.9	12	55	102	45
NPE-110003	11.0	12	55	102	45
NPE-111003	11.1	12	55	102	45
NPE-112003	11.2	12	55	102	45
NPE-113003	11.3	12	55	102	45
NPE-114003	11.4	12	55	102	45
NPE-115003	11.5	12	55	102	45
NPE-116003	11.6	12	55	102	45
NPE-117003	11.7	12	55	102	45
NPE-118003	11.8	12	55	102	45
NPE-119003	11.9	12	55	102	45
NPE-120003	12.0	12	55	102	45
NPE-121003	12.1	14	60	107	45
NPE-122003	12.2	14	60	107	45
NPE-123003	12.3	14	60	107	45
NPE-124003	12.4	14	60	107	45
NPE-125003	12.5	14	60	107	45

工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium alloy	铸铁 Cast iron	不锈钢 Stainless steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%
NPE	■	■	■	◆	◆	□	□			□	◆	◆	□		

适用： ■最佳 ◆适用 □能用 Suit: ■Excellent ◆Good □OK

型号 Specification	DC	DCON	LCF	OAL	LS
NPE-126003	12.6	14	60	107	45
NPE-127003	12.7	14	60	107	45
NPE-128003	12.8	14	60	107	45
NPE-129003	12.9	14	60	107	45
NPE-130003	13.0	14	60	107	45
NPE-131003	13.1	14	60	107	45
NPE-132003	13.2	14	60	107	45
NPE-133003	13.3	14	60	107	45
NPE-134003	13.4	14	60	107	45
NPE-135003	13.5	14	60	107	45
NPE-136003	13.6	14	60	107	45
NPE-137003	13.7	14	60	107	45
NPE-138003	13.8	14	60	107	45
NPE-139003	13.9	14	60	107	45
NPE-140003	14.0	14	60	107	45
NPE-141003	14.1	16	65	115	48
NPE-142003	14.2	16	65	115	48
NPE-143003	14.3	16	65	115	48
NPE-144003	14.4	16	65	115	48
NPE-145003	14.5	16	65	115	48
NPE-146003	14.6	16	65	115	48
NPE-147003	14.7	16	65	115	48
NPE-148003	14.8	16	65	115	48
NPE-149003	14.9	16	65	115	48
NPE-150003	15.0	16	65	115	48
NPE-151003	15.1	16	65	115	48
NPE-152003	15.2	16	65	115	48
NPE-153003	15.3	16	65	115	48
NPE-154003	15.4	16	65	115	48
NPE-155003	15.5	16	65	115	48
NPE-156003	15.6	16	65	115	48
NPE-157003	15.7	16	65	115	48
NPE-158003	15.8	16	65	115	48
NPE-159003	15.9	16	65	115	48
NPE-160003	16.0	16	65	115	48
NPE-161003	16.1	18	73	123	48
NPE-162003	16.2	18	73	123	48
NPE-163003	16.3	18	73	123	48
NPE-164003	16.4	18	73	123	48
NPE-165003	16.5	18	73	123	48
NPE-166003	16.6	18	73	123	48
NPE-167003	16.7	18	73	123	48
NPE-168003	16.8	18	73	123	48
NPE-169003	16.9	18	73	123	48
NPE-170003	17.0	18	73	123	48
NPE-171003	17.1	18	73	123	48
NPE-172003	17.2	18	73	123	48
NPE-173003	17.3	18	73	123	48
NPE-174003	17.4	18	73	123	48
NPE-175003	17.5	18	73	123	48
NPE-176003	17.6	18	73	123	48
NPE-177003	17.7	18	73	123	48
NPE-178003	17.8	18	73	123	48
NPE-179003	17.9	18	73	123	48

整体圆柄刀具
Solid Round Tools

工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium alloy	铸铁 Cast iron	不锈钢 Stainless steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%
NPE	■	■	■	◆	◆	□	□			□	◆	◆	□		

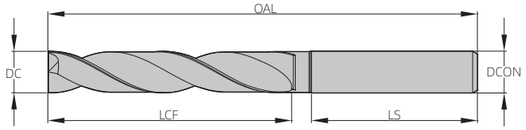
适用： ■最佳 ◆适用 □能用 Suit: ■Excellent ◆Good □OK

型号 Specification	DC	DCON	LCF	OAL	LS
NPE-180003	18.0	18	73	123	48
NPE-181003	18.1	20	79	131	50
NPE-182003	18.2	20	79	131	50
NPE-183003	18.3	20	79	131	50
NPE-184003	18.4	20	79	131	50
NPE-185003	18.5	20	79	131	50
NPE-186003	18.6	20	79	131	50
NPE-187003	18.7	20	79	131	50
NPE-188003	18.8	20	79	131	50
NPE-189003	18.9	20	79	131	50
NPE-190003	19.0	20	79	131	50
NPE-191003	19.1	20	79	131	50
NPE-192003	19.2	20	79	131	50
NPE-193003	19.3	20	79	131	50
NPE-194003	19.4	20	79	131	50
NPE-195003	19.5	20	79	131	50
NPE-196003	19.6	20	79	131	50
NPE-197003	19.7	20	79	131	50
NPE-198003	19.8	20	79	131	50
NPE-199003	19.9	20	79	131	50
NPE-200003	20.0	20	79	131	50

硬质合金钻头 Carbide Drill

NPE-05 NP通用平底钻头（5D）
Type-NP Flat Drills For General Machining (5D)





1.切削参数请参考AA083
2.单位：mm

1.Please refer to AA083 for cutting parameters.
2.Unit：mm

■NP通用平底钻，应用于锪孔，平底孔，斜面和球面引导孔等多样化用途。

■NP universal flat-bottom drill, used for various purposes such as countersinking, flat-bottom holes, beveled and spherical pilot holes.

Ti | DIN 6537 L | HA h6 | h8 | 20° | 140°

型号 Specification	DC	DCON	LCF	OAL	LS
NPE-030005	3.0	6	28	66	36
NPE-031005	3.1	6	28	66	36
NPE-032005	3.2	6	28	66	36
NPE-033005	3.3	6	28	66	36
NPE-034005	3.4	6	28	66	36
NPE-035005	3.5	6	28	66	36
NPE-036005	3.6	6	28	66	36
NPE-037005	3.7	6	28	66	36
NPE-038005	3.8	6	36	74	36
NPE-039005	3.9	6	36	74	36
NPE-040005	4.0	6	36	74	36
NPE-041005	4.1	6	36	74	36
NPE-042005	4.2	6	36	74	36
NPE-043005	4.3	6	36	74	36
NPE-044005	4.4	6	36	74	36
NPE-045005	4.5	6	36	74	36
NPE-046005	4.6	6	36	74	36
NPE-047005	4.7	6	36	74	36
NPE-048005	4.8	6	44	82	36
NPE-049005	4.9	6	44	82	36
NPE-050005	5.0	6	44	82	36
NPE-051005	5.1	6	44	82	36
NPE-052005	5.2	6	44	82	36
NPE-053005	5.3	6	44	82	36
NPE-054005	5.4	6	44	82	36
NPE-055005	5.5	6	44	82	36
NPE-056005	5.6	6	44	82	36
NPE-057005	5.7	6	44	82	36
NPE-058005	5.8	6	44	82	36
NPE-059005	5.9	6	44	82	36
NPE-060005	6.0	6	44	82	36
NPE-061005	6.1	8	53	91	36
NPE-062005	6.2	8	53	91	36
NPE-063005	6.3	8	53	91	36
NPE-064005	6.4	8	53	91	36
NPE-065005	6.5	8	53	91	36
NPE-066005	6.6	8	53	91	36
NPE-067005	6.7	8	53	91	36
NPE-068005	6.8	8	53	91	36
NPE-069005	6.9	8	53	91	36
NPE-070005	7.0	8	53	91	36
NPE-071005	7.1	8	53	91	36

产品系列 Specification / 工件材料 Work Piece	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium alloy	铸铁 Cast iron	不锈钢 Stainless steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%
NPE	■	■	■	◆	◆	□	□			□	◆	◆	□		

适用： ■最佳 ◆适用 □能用　　Suit: ■Excellent ◆Good □OK

型号 Specification	DC	DCON	LCF	OAL	LS
NPE-072005	7.2	8	53	91	36
NPE-073005	7.3	8	53	91	36
NPE-074005	7.4	8	53	91	36
NPE-075005	7.5	8	53	91	36
NPE-076005	7.6	8	53	91	36
NPE-077005	7.7	8	53	91	36
NPE-078005	7.8	8	53	91	36
NPE-079005	7.9	8	53	91	36
NPE-080005	8.0	8	53	91	36
NPE-081005	8.1	10	61	103	40
NPE-082005	8.2	10	61	103	40
NPE-083005	8.3	10	61	103	40
NPE-084005	8.4	10	61	103	40
NPE-085005	8.5	10	61	103	40
NPE-086005	8.6	10	61	103	40
NPE-087005	8.7	10	61	103	40
NPE-088005	8.8	10	61	103	40
NPE-089005	8.9	10	61	103	40
NPE-090005	9.0	10	61	103	40
NPE-091005	9.1	10	61	103	40
NPE-092005	9.2	10	61	103	40
NPE-093005	9.3	10	61	103	40
NPE-094005	9.4	10	61	103	40
NPE-095005	9.5	10	61	103	40
NPE-096005	9.6	10	61	103	40
NPE-097005	9.7	10	61	103	40
NPE-098005	9.8	10	61	103	40
NPE-099005	9.9	10	61	103	40
NPE-100005	10.0	10	61	103	40
NPE-101005	10.1	12	71	118	45
NPE-102005	10.2	12	71	118	45
NPE-103005	10.3	12	71	118	45
NPE-104005	10.4	12	71	118	45
NPE-105005	10.5	12	71	118	45
NPE-106005	10.6	12	71	118	45
NPE-107005	10.7	12	71	118	45
NPE-108005	10.8	12	71	118	45
NPE-109005	10.9	12	71	118	45
NPE-110005	11.0	12	71	118	45
NPE-111005	11.1	12	71	118	45
NPE-112005	11.2	12	71	118	45
NPE-113005	11.3	12	71	118	45
NPE-114005	11.4	12	71	118	45
NPE-115005	11.5	12	71	118	45
NPE-116005	11.6	12	71	118	45
NPE-117005	11.7	12	71	118	45
NPE-118005	11.8	12	71	118	45
NPE-119005	11.9	12	71	118	45
NPE-120005	12.0	12	71	118	45
NPE-121005	12.1	14	77	124	45
NPE-122005	12.2	14	77	124	45
NPE-123005	12.3	14	77	124	45
NPE-124005	12.4	14	77	124	45
NPE-125005	12.5	14	77	124	45

整体圆柄刀具
Solid Round Tools

工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium alloy	铸铁 Cast iron	不锈钢 Stainless steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%
NPE	■	■	■	◆	◆	□	□			□	◆	◆	□		

适用： ■最佳 ◆适用 □能用 Suit: ■Excellent ◆Good □OK

型号 Specification	DC	DCON	LCF	OAL	LS
NPE-126005	12.6	14	77	124	45
NPE-127005	12.7	14	77	124	45
NPE-128005	12.8	14	77	124	45
NPE-129005	12.9	14	77	124	45
NPE-130005	13.0	14	77	124	45
NPE-131005	13.1	14	77	124	45
NPE-132005	13.2	14	77	124	45
NPE-133005	13.3	14	77	124	45
NPE-134005	13.4	14	77	124	45
NPE-135005	13.5	14	77	124	45
NPE-136005	13.6	14	77	124	45
NPE-137005	13.7	14	77	124	45
NPE-138005	13.8	14	77	124	45
NPE-139005	13.9	14	77	124	45
NPE-140005	14.0	14	77	124	45
NPE-141005	14.1	16	83	133	48
NPE-142005	14.2	16	83	133	48
NPE-143005	14.3	16	83	133	48
NPE-144005	14.4	16	83	133	48
NPE-145005	14.5	16	83	133	48
NPE-146005	14.6	16	83	133	48
NPE-147005	14.7	16	83	133	48
NPE-148005	14.8	16	83	133	48
NPE-149005	14.9	16	83	133	48
NPE-150005	15.0	16	83	133	48
NPE-151005	15.1	16	83	133	48
NPE-152005	15.2	16	83	133	48
NPE-153005	15.3	16	83	133	48
NPE-154005	15.4	16	83	133	48
NPE-155005	15.5	16	83	133	48
NPE-156005	15.6	16	83	133	48
NPE-157005	15.7	16	83	133	48
NPE-158005	15.8	16	83	133	48
NPE-159005	15.9	16	83	133	48
NPE-160005	16.0	16	83	133	48
NPE-161005	16.1	18	93	143	48
NPE-162005	16.2	18	93	143	48
NPE-163005	16.3	18	93	143	48
NPE-164005	16.4	18	93	143	48
NPE-165005	16.5	18	93	143	48
NPE-166005	16.6	18	93	143	48
NPE-167005	16.7	18	93	143	48
NPE-168005	16.8	18	93	143	48
NPE-169005	16.9	18	93	143	48
NPE-170005	17.0	18	93	143	48
NPE-171005	17.1	18	93	143	48
NPE-172005	17.2	18	93	143	48
NPE-173005	17.3	18	93	143	48
NPE-174005	17.4	18	93	143	48
NPE-175005	17.5	18	93	143	48
NPE-176005	17.6	18	93	143	48
NPE-177005	17.7	18	93	143	48
NPE-178005	17.8	18	93	143	48
NPE-179005	17.9	18	93	143	48

工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium alloy	铸铁 Cast iron	不锈钢 Stainless steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%
NPE	■	■	■	◆	◆	□	□			□	◆	◆	□		

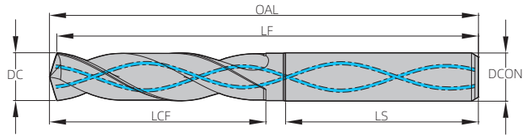
适用： ■最佳 ◆适用 □能用 Suit: ■Excellent ◆Good □OK

型号 Specification	DC	DCON	LCF	OAL	LS
NPE-180005	18.0	18	93	143	48
NPE-181005	18.1	20	101	153	50
NPE-182005	18.2	20	101	153	50
NPE-183005	18.3	20	101	153	50
NPE-184005	18.4	20	101	153	50
NPE-185005	18.5	20	101	153	50
NPE-186005	18.6	20	101	153	50
NPE-187005	18.7	20	101	153	50
NPE-188005	18.8	20	101	153	50
NPE-189005	18.9	20	101	153	50
NPE-190005	19.0	20	101	153	50
NPE-191005	19.1	20	101	153	50
NPE-192005	19.2	20	101	153	50
NPE-193005	19.3	20	101	153	50
NPE-194005	19.4	20	101	153	50
NPE-195005	19.5	20	101	153	50
NPE-196005	19.6	20	101	153	50
NPE-197005	19.7	20	101	153	50
NPE-198005	19.8	20	101	153	50
NPE-199005	19.9	20	101	153	50
NPE-200005	20.0	20	101	153	50

硬质合金钻头 Carbide Drill

SKO-03 SK内冷铸铁钻头（3D）
Type-SK With Internal Coolant For Cast Iron (3D)





1.切削参数请参考AA083
2.单位：mm

1.Please refer to AA083 for cutting parameters.
2.Unit：mm

■SK系列钻头采用双刃带设计和高性能涂层；
■出色的稳定性，获得良好的寿命和圆度。

■The SK series drill adopt a double-edged belt design and high-performance coating;
■Excellent stability, achieving good lifespan and roundness.

Ti | DIN 6537 K | HA h6 | h8 | 30° | 140°

型号 Specification	DC	DCON	LCF	OAL	LS	LF
SKO-030003	3.0	4	20	62	36	61.3
SKO-031003	3.1	4	20	62	36	61.3
SKO-032003	3.2	4	20	62	36	61.3
SKO-033003	3.3	4	20	62	36	61.3
SKO-034003	3.4	4	20	62	36	61.3
SKO-035003	3.5	4	20	62	36	61.3
SKO-036003	3.6	4	20	62	36	61.3
SKO-037003	3.7	4	20	62	36	61.3
SKO-038003	3.8	4	24	66	36	65.2
SKO-039003	3.9	4	24	66	36	65.2
SKO-040003	4.0	4	24	66	36	65.2
SKO-041003	4.1	6	24	66	36	65.2
SKO-042003	4.2	6	24	66	36	65.2
SKO-043003	4.3	6	24	66	36	65.1
SKO-044003	4.4	6	24	66	36	65.1
SKO-045003	4.5	6	24	66	36	65.1
SKO-046003	4.6	6	24	66	36	65.1
SKO-047003	4.7	6	24	66	36	65.1
SKO-048003	4.8	6	28	66	36	65.0
SKO-049003	4.9	6	28	66	36	65.0
SKO-050003	5.0	6	28	66	36	65.0
SKO-051003	5.1	6	28	66	36	65.0
SKO-052003	5.2	6	28	66	36	65.0
SKO-053003	5.3	6	28	66	36	64.9
SKO-054003	5.4	6	28	66	36	64.9
SKO-055003	5.5	6	28	66	36	64.9
SKO-056003	5.6	6	28	66	36	64.9
SKO-057003	5.7	6	28	66	36	64.9
SKO-058003	5.8	6	28	66	36	64.8
SKO-059003	5.9	6	28	66	36	64.8
SKO-060003	6.0	6	28	66	36	64.8
SKO-061003	6.1	8	34	79	36	77.8
SKO-062003	6.2	8	34	79	36	77.8
SKO-063003	6.3	8	34	79	36	77.7
SKO-064003	6.4	8	34	79	36	77.7
SKO-065003	6.5	8	34	79	36	77.7
SKO-066003	6.6	8	34	79	36	77.7
SKO-067003	6.7	8	34	79	36	77.7
SKO-068003	6.8	8	34	79	36	77.8
SKO-069003	6.9	8	34	79	36	77.8
SKO-070003	7.0	8	34	79	36	77.8
SKO-071003	7.1	8	41	79	36	77.8

产品系列 Specification \ 工件材料 Work Piece	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium alloy	铸铁 Cast iron	不锈钢 Stainless steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%
SKO	■	■	■	□	□	□	□				■				

适用：■最佳 ◆适用 □能用

Suit: ■Excellent ◆Good □OK

型号 Specification	DC	DCON	LCF	OAL	LS	LF
SKO-072003	7.2	8	41	79	36	77.6
SKO-073003	7.3	8	41	79	36	77.5
SKO-074003	7.4	8	41	79	36	77.5
SKO-075003	7.5	8	41	79	36	77.5
SKO-076003	7.6	8	41	79	36	77.5
SKO-077003	7.7	8	41	79	36	77.5
SKO-078003	7.8	8	41	79	36	77.4
SKO-079003	7.9	8	41	79	36	77.4
SKO-080003	8.0	8	41	79	36	77.4
SKO-081003	8.1	10	47	89	40	87.4
SKO-082003	8.2	10	47	89	40	87.4
SKO-083003	8.3	10	47	89	40	87.3
SKO-084003	8.4	10	47	89	40	87.3
SKO-085003	8.5	10	47	89	40	87.3
SKO-086003	8.6	10	47	89	40	87.3
SKO-087003	8.7	10	47	89	40	87.3
SKO-088003	8.8	10	47	89	40	87.2
SKO-089003	8.9	10	47	89	40	87.2
SKO-090003	9.0	10	47	89	40	87.2
SKO-091003	9.1	10	47	89	40	87.2
SKO-092003	9.2	10	47	89	40	87.2
SKO-093003	9.3	10	47	89	40	87.1
SKO-094003	9.4	10	47	89	40	87.1
SKO-095003	9.5	10	47	89	40	87.1
SKO-096003	9.6	10	47	89	40	87.1
SKO-097003	9.7	10	47	89	40	87.1
SKO-098003	9.8	10	47	89	40	87.0
SKO-099003	9.9	10	47	89	40	87.0
SKO-100003	10.0	10	47	89	40	87.0
SKO-101003	10.1	12	55	102	45	100.0
SKO-102003	10.2	12	55	102	45	100.0
SKO-103003	10.3	12	55	102	45	99.9
SKO-104003	10.4	12	55	102	45	99.9
SKO-105003	10.5	12	55	102	45	99.9
SKO-106003	10.6	12	55	102	45	99.9
SKO-107003	10.7	12	55	102	45	99.9
SKO-108003	10.8	12	55	102	45	99.8
SKO-109003	10.9	12	55	102	45	99.8
SKO-110003	11.0	12	55	102	45	99.8
SKO-111003	11.1	12	55	102	45	99.8
SKO-112003	11.2	12	55	102	45	99.8
SKO-113003	11.3	12	55	102	45	99.7
SKO-114003	11.4	12	55	102	45	99.7
SKO-115003	11.5	12	55	102	45	99.7
SKO-116003	11.6	12	55	102	45	99.7
SKO-117003	11.7	12	55	102	45	99.7
SKO-118003	11.8	12	55	102	45	99.6
SKO-119003	11.9	12	55	102	45	99.6
SKO-120003	12.0	12	55	102	45	99.6
SKO-121003	12.1	14	60	107	45	104.6
SKO-122003	12.2	14	60	107	45	104.6
SKO-123003	12.3	14	60	107	45	104.5
SKO-124003	12.4	14	60	107	45	104.5
SKO-125003	12.5	14	60	107	45	104.5

工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium alloy	铸铁 Cast iron	不锈钢 Stainless steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%
SKO	■	■	■	□	□	□	□				■				

适用： ■最佳 ◆适用 □能用　　Suit: ■Excellent ◆Good □OK

型号 Specification	DC	DCON	LCF	OAL	LS	LF
SKO-126003	12.6	14	60	107	45	104.5
SKO-127003	12.7	14	60	107	45	104.5
SKO-128003	12.8	14	60	107	45	104.4
SKO-129003	12.9	14	60	107	45	104.4
SKO-130003	13.0	14	60	107	45	104.4
SKO-131003	13.1	14	60	107	45	104.4
SKO-132003	13.2	14	60	107	45	104.4
SKO-133003	13.3	14	60	107	45	104.3
SKO-134003	13.4	14	60	107	45	104.3
SKO-135003	13.5	14	60	107	45	104.3
SKO-136003	13.6	14	60	107	45	104.3
SKO-137003	13.7	14	60	107	45	104.3
SKO-138003	13.8	14	60	107	45	104.2
SKO-139003	13.9	14	60	107	45	104.2
SKO-140003	14.0	14	60	107	45	104.2
SKO-141003	14.1	16	65	115	48	112.2
SKO-142003	14.2	16	65	115	48	112.2
SKO-143003	14.3	16	65	115	48	112.1
SKO-144003	14.4	16	65	115	48	112.1
SKO-145003	14.5	16	65	115	48	112.1
SKO-146003	14.6	16	65	115	48	112.1
SKO-147003	14.7	16	65	115	48	112.1
SKO-148003	14.8	16	65	115	48	112.0
SKO-149003	14.9	16	65	115	48	112.0
SKO-150003	15.0	16	65	115	48	112.0
SKO-151003	15.1	16	65	115	48	112.0
SKO-152003	15.2	16	65	115	48	112.0
SKO-153003	15.3	16	65	115	48	111.9
SKO-154003	15.4	16	65	115	48	111.9
SKO-155003	15.5	16	65	115	48	111.9
SKO-156003	15.6	16	65	115	48	111.9
SKO-157003	15.7	16	65	115	48	111.9
SKO-158003	15.8	16	65	115	48	111.8
SKO-159003	15.9	16	65	115	48	111.8
SKO-160003	16.0	16	65	115	48	111.8
SKO-161003	16.1	18	73	123	48	119.8
SKO-162003	16.2	18	73	123	48	119.8
SKO-163003	16.3	18	73	123	48	119.7
SKO-164003	16.4	18	73	123	48	119.7
SKO-165003	16.5	18	73	123	48	119.7
SKO-166003	16.6	18	73	123	48	119.7
SKO-167003	16.7	18	73	123	48	119.7
SKO-168003	16.8	18	73	123	48	119.6
SKO-169003	16.9	18	73	123	48	119.6
SKO-170003	17.0	18	73	123	48	119.6
SKO-171003	17.1	18	73	123	48	119.6
SKO-172003	17.2	18	73	123	48	119.6
SKO-173003	17.3	18	73	123	48	119.5
SKO-174003	17.4	18	73	123	48	119.5
SKO-175003	17.5	18	73	123	48	119.5
SKO-176003	17.6	18	73	123	48	119.5
SKO-177003	17.7	18	73	123	48	119.5
SKO-178003	17.8	18	73	123	48	119.4
SKO-179003	17.9	18	73	123	48	119.4

工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium alloy	铸铁 Cast iron	不锈钢 Stainless steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%
SKO	■	■	■	□	□	□	□				■				

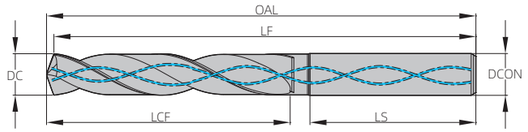
适用： ■最佳 ◆适用 □能用　　Suit: ■Excellent ◆Good □OK

型号 Specification	DC	DCON	LCF	OAL	LS	LF
SKO-180003	18.0	18	73	123	48	119
SKO-181003	18.1	20	79	131	50	127
SKO-182003	18.2	20	79	131	50	127
SKO-183003	18.3	20	79	131	50	127
SKO-184003	18.4	20	79	131	50	127
SKO-185003	18.5	20	79	131	50	127
SKO-186003	18.6	20	79	131	50	127
SKO-187003	18.7	20	79	131	50	127
SKO-188003	18.8	20	79	131	50	127
SKO-189003	18.9	20	79	131	50	127
SKO-190003	19.0	20	79	131	50	127
SKO-191003	19.1	20	79	131	50	127
SKO-192003	19.2	20	79	131	50	127
SKO-193003	19.3	20	79	131	50	127
SKO-194003	19.4	20	79	131	50	127
SKO-195003	19.5	20	79	131	50	127
SKO-196003	19.6	20	79	131	50	127
SKO-197003	19.7	20	79	131	50	127
SKO-198003	19.8	20	79	131	50	127
SKO-199003	19.9	20	79	131	50	127
SKO-200003	20.0	20	79	131	50	127

硬质合金钻头 Carbide Drill

SKO-05 SK内冷铸铁钻头（5D）
Type-SK With Internal Coolant For Cast Iron (5D)





1.切削参数请参考AA083
2.单位：mm

1.Please refer to AA083 for cutting parameters.
2.Unit：mm

■SK系列钻头采用双刃带设计和高性能涂层；
■出色的稳定性，获得良好的寿命和圆度。

■The SK series drill adopt a double-edged belt design and high-performance coating;
■Excellent stability, achieving good lifespan and roundness.

Ti | DIN 6537 L | HA h6 | h8 | 30° | 140°

型号 Specification	DC	DCON	LCF	OAL	LS	LF
SKO-030005	3.0	4	28	66	36	65.4
SKO-031005	3.1	4	28	66	36	65.4
SKO-032005	3.2	4	28	66	36	65.4
SKO-033005	3.3	4	28	66	36	65.3
SKO-034005	3.4	4	28	66	36	65.3
SKO-035005	3.5	4	28	66	36	65.3
SKO-036005	3.6	4	28	66	36	65.3
SKO-037005	3.7	4	28	66	36	65.3
SKO-038005	3.8	4	36	74	36	73.2
SKO-039005	3.9	4	36	74	36	73.2
SKO-040005	4.0	4	36	74	36	73.2
SKO-041005	4.1	6	36	74	36	73.2
SKO-042005	4.2	6	36	74	36	73.2
SKO-043005	4.3	6	36	74	36	73.1
SKO-044005	4.4	6	36	74	36	73.1
SKO-045005	4.5	6	36	74	36	73.1
SKO-046005	4.6	6	36	74	36	73.1
SKO-047005	4.7	6	36	74	36	73.1
SKO-048005	4.8	6	44	82	36	81.0
SKO-049005	4.9	6	44	82	36	81.0
SKO-050005	5.0	6	44	82	36	81.0
SKO-051005	5.1	6	44	82	36	81.0
SKO-052005	5.2	6	44	82	36	81.0
SKO-053005	5.3	6	44	82	36	80.9
SKO-054005	5.4	6	44	82	36	80.9
SKO-055005	5.5	6	44	82	36	80.9
SKO-056005	5.6	6	44	82	36	80.9
SKO-057005	5.7	6	44	82	36	80.9
SKO-058005	5.8	6	44	82	36	80.8
SKO-059005	5.9	6	44	82	36	80.8
SKO-060005	6.0	6	44	82	36	80.8
SKO-061005	6.1	8	53	91	36	89.8
SKO-062005	6.2	8	53	91	36	89.8
SKO-063005	6.3	8	53	91	36	89.7
SKO-064005	6.4	8	53	91	36	89.7
SKO-065005	6.5	8	53	91	36	89.7
SKO-066005	6.6	8	53	91	36	89.7
SKO-067005	6.7	8	53	91	36	89.7
SKO-068005	6.8	8	53	91	36	89.6
SKO-069005	6.9	8	53	91	36	89.6
SKO-070005	7.0	8	53	91	36	89.6
SKO-071005	7.1	8	53	91	36	89.6

工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium alloy	铸铁 Cast iron	不锈钢 Stainless steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%
SKO	■	■	■	□	□	□	□				■				

适用： ■最佳 ◆适用 □能用

Suit: ■Excellent ◆Good □OK

型号 Specification	DC	DCON	LCF	OAL	LS	LF
SKO-072005	7.2	8	53	91	36	89.6
SKO-073005	7.3	8	53	91	36	89.5
SKO-074005	7.4	8	53	91	36	89.5
SKO-075005	7.5	8	53	91	36	89.5
SKO-076005	7.6	8	53	91	36	89.5
SKO-077005	7.7	8	53	91	36	89.5
SKO-078005	7.8	8	53	91	36	89.4
SKO-079005	7.9	8	53	91	36	89.4
SKO-080005	8.0	8	53	91	36	89.4
SKO-081005	8.1	10	61	103	40	101.4
SKO-082005	8.2	10	61	103	40	101.4
SKO-083005	8.3	10	61	103	40	101.3
SKO-084005	8.4	10	61	103	40	101.3
SKO-085005	8.5	10	61	103	40	101.3
SKO-086005	8.6	10	61	103	40	101.3
SKO-087005	8.7	10	61	103	40	101.3
SKO-088005	8.8	10	61	103	40	101.2
SKO-089005	8.9	10	61	103	40	101.2
SKO-090005	9.0	10	61	103	40	101.2
SKO-091005	9.1	10	61	103	40	101.2
SKO-092005	9.2	10	61	103	40	101.2
SKO-093005	9.3	10	61	103	40	101.1
SKO-094005	9.4	10	61	103	40	101.1
SKO-095005	9.5	10	61	103	40	101.1
SKO-096005	9.6	10	61	103	40	101.1
SKO-097005	9.7	10	61	103	40	101.1
SKO-098005	9.8	10	61	103	40	101.0
SKO-099005	9.9	10	61	103	40	101.0
SKO-100005	10.0	10	61	103	40	101.0
SKO-101005	10.1	12	71	118	45	116.0
SKO-102005	10.2	12	71	118	45	116.0
SKO-103005	10.3	12	71	118	45	115.9
SKO-104005	10.4	12	71	118	45	115.9
SKO-105005	10.5	12	71	118	45	115.9
SKO-106005	10.6	12	71	118	45	115.9
SKO-107005	10.7	12	71	118	45	115.9
SKO-108005	10.8	12	71	118	45	115.8
SKO-109005	10.9	12	71	118	45	115.8
SKO-110005	11.0	12	71	118	45	115.8
SKO-111005	11.1	12	71	118	45	115.8
SKO-112005	11.2	12	71	118	45	115.8
SKO-113005	11.3	12	71	118	45	115.7
SKO-114005	11.4	12	71	118	45	115.7
SKO-115005	11.5	12	71	118	45	115.7
SKO-116005	11.6	12	71	118	45	115.7
SKO-117005	11.7	12	71	118	45	115.7
SKO-118005	11.8	12	71	118	45	115.6
SKO-119005	11.9	12	71	118	45	115.6
SKO-120005	12.0	12	71	118	45	115.6
SKO-121005	12.1	14	77	124	45	121.6
SKO-122005	12.2	14	77	124	45	121.6
SKO-123005	12.3	14	77	124	45	121.5
SKO-124005	12.4	14	77	124	45	121.5
SKO-125005	12.5	14	77	124	45	121.5

工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium alloy	铸铁 Cast iron	不锈钢 Stainless steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%
SKO	■	■	■	□	□	□	□				■				

适用： ■最佳 ◆适用 □能用　　Suit: ■Excellent ◆Good □OK

型号 Specification	DC	DCON	LCF	OAL	LS	LF
SKO-126005	12.6	14	77	124	45	121.5
SKO-127005	12.7	14	77	124	45	121.5
SKO-128005	12.8	14	77	124	45	121.4
SKO-129005	12.9	14	77	124	45	121.4
SKO-130005	13.0	14	77	124	45	121.4
SKO-131005	13.1	14	77	124	45	121.4
SKO-132005	13.2	14	77	124	45	121.4
SKO-133005	13.3	14	77	124	45	121.3
SKO-134005	13.4	14	77	124	45	121.3
SKO-135005	13.5	14	77	124	45	121.3
SKO-136005	13.6	14	77	124	45	121.3
SKO-137005	13.7	14	77	124	45	121.3
SKO-138005	13.8	14	77	124	45	121.2
SKO-139005	13.9	14	77	124	45	121.2
SKO-140005	14.0	14	77	124	45	121.2
SKO-141005	14.1	16	83	133	48	130.2
SKO-142005	14.2	16	83	133	48	130.2
SKO-143005	14.3	16	83	133	48	130.1
SKO-144005	14.4	16	83	133	48	130.1
SKO-145005	14.5	16	83	133	48	130.1
SKO-146005	14.6	16	83	133	48	130.1
SKO-147005	14.7	16	83	133	48	130.1
SKO-148005	14.8	16	83	133	48	130.0
SKO-149005	14.9	16	83	133	48	130.0
SKO-150005	15.0	16	83	133	48	130.0
SKO-151005	15.1	16	83	133	48	130.0
SKO-152005	15.2	16	83	133	48	130.0
SKO-153005	15.3	16	83	133	48	129.9
SKO-154005	15.4	16	83	133	48	129.9
SKO-155005	15.5	16	83	133	48	129.9
SKO-156005	15.6	16	83	133	48	129.9
SKO-157005	15.7	16	83	133	48	129.9
SKO-158005	15.8	16	83	133	48	129.8
SKO-159005	15.9	16	83	133	48	129.8
SKO-160005	16.0	16	83	133	48	129.8
SKO-161005	16.1	18	93	143	48	139.8
SKO-162005	16.2	18	93	143	48	139.8
SKO-163005	16.3	18	93	143	48	139.7
SKO-164005	16.4	18	93	143	48	139.7
SKO-165005	16.5	18	93	143	48	139.7
SKO-166005	16.6	18	93	143	48	139.7
SKO-167005	16.7	18	93	143	48	139.7
SKO-168005	16.8	18	93	143	48	139.6
SKO-169005	16.9	18	93	143	48	139.6
SKO-170005	17.0	18	93	143	48	139.6
SKO-171005	17.1	18	93	143	48	139.6
SKO-172005	17.2	18	93	143	48	139.6
SKO-173005	17.3	18	93	143	48	139.5
SKO-174005	17.4	18	93	143	48	139.5
SKO-175005	17.5	18	93	143	48	139.5
SKO-176005	17.6	18	93	143	48	139.5
SKO-177005	17.7	18	93	143	48	139.5
SKO-178005	17.8	18	93	143	48	139.4
SKO-179005	17.9	18	93	143	48	139.4

工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium alloy	铸铁 Cast iron	不锈钢 Stainless steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%
SKO	■	■	■	□	□	□	□				■				

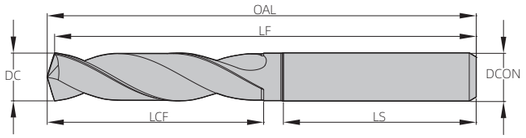
适用： ■最佳 ◆适用 □能用　　Suit: ■Excellent ◆Good □OK

型号 Specification	DC	DCON	LCF	OAL	LS	LF
SKO-180005	18.0	18	93	143	48	139.4
SKO-181005	18.1	20	101	153	50	149.4
SKO-182005	18.2	20	101	153	50	149.4
SKO-183005	18.3	20	101	153	50	149.3
SKO-184005	18.4	20	101	153	50	149.3
SKO-185005	18.5	20	101	153	50	149.3
SKO-186005	18.6	20	101	153	50	149.3
SKO-187005	18.7	20	101	153	50	149.3
SKO-188005	18.8	20	101	153	50	149.2
SKO-189005	18.9	20	101	153	50	149.2
SKO-190005	19.0	20	101	153	50	149.2
SKO-191005	19.1	20	101	153	50	149.2
SKO-192005	19.2	20	101	153	50	149.2
SKO-193005	19.3	20	101	153	50	149.1
SKO-194005	19.4	20	101	153	50	149.1
SKO-195005	19.5	20	101	153	50	149.1
SKO-196005	19.6	20	101	153	50	149.1
SKO-197005	19.7	20	101	153	50	149.1
SKO-198005	19.8	20	101	153	50	149.0
SKO-199005	19.9	20	101	153	50	149.0
SKO-200005	20.0	20	101	153	50	149.0

硬质合金钻头 Carbide Drill

SNE-03 | SN有色金属钻头（3D）
Type-SN Drills Of Non-ferrous Metals (3D)





1.切削参数请参考AA083
2.单位：mm

1.Please refer to AA083 for cutting parameters.
2.Unit：mm

■SN有色金属钻头采用圆弧钻尖和锋利刃口；
■镜面抛光有效降低摩擦力，促进排屑流畅，提升孔口质量。

■SN non-ferrous metal drill with rounded tip and sharp edge;
■Mirror polishing effectively reduces friction, promotes smooth chip removal, and improves hole quality.

N | DIN 6537 K | HA h6 | h8 | 30° | 140°

型号 Specification	DC	DCON	LCF	OAL	LS	LF
SNE-030003	3.0	6	20	62	36	61.3
SNE-031003	3.1	6	20	62	36	61.3
SNE-032003	3.2	6	20	62	36	61.3
SNE-033003	3.3	6	20	62	36	61.3
SNE-034003	3.4	6	20	62	36	61.3
SNE-035003	3.5	6	20	62	36	61.3
SNE-036003	3.6	6	20	62	36	61.3
SNE-037003	3.7	6	20	62	36	61.3
SNE-038003	3.8	6	24	66	36	65.2
SNE-039003	3.9	6	24	66	36	65.2
SNE-040003	4.0	6	24	66	36	65.2
SNE-041003	4.1	6	24	66	36	65.2
SNE-042003	4.2	6	24	66	36	65.2
SNE-043003	4.3	6	24	66	36	65.1
SNE-044003	4.4	6	24	66	36	65.1
SNE-045003	4.5	6	24	66	36	65.1
SNE-046003	4.6	6	24	66	36	65.1
SNE-047003	4.7	6	24	66	36	65.1
SNE-048003	4.8	6	28	66	36	65.0
SNE-049003	4.9	6	28	66	36	65.0
SNE-050003	5.0	6	28	66	36	65.0
SNE-051003	5.1	6	28	66	36	65.0
SNE-052003	5.2	6	28	66	36	65.0
SNE-053003	5.3	6	28	66	36	64.9
SNE-054003	5.4	6	28	66	36	64.9
SNE-055003	5.5	6	28	66	36	64.9
SNE-056003	5.6	6	28	66	36	64.9
SNE-057003	5.7	6	28	66	36	64.9
SNE-058003	5.8	6	28	66	36	64.8
SNE-059003	5.9	6	28	66	36	64.8
SNE-060003	6.0	6	28	66	36	64.8
SNE-061003	6.1	8	34	79	36	77.8
SNE-062003	6.2	8	34	79	36	77.8
SNE-063003	6.3	8	34	79	36	77.7
SNE-064003	6.4	8	34	79	36	77.7
SNE-065003	6.5	8	34	79	36	77.7
SNE-066003	6.6	8	34	79	36	77.7
SNE-067003	6.7	8	34	79	36	77.7
SNE-068003	6.8	8	34	79	36	77.8
SNE-069003	6.9	8	34	79	36	77.8
SNE-070003	7.0	8	34	79	36	77.8
SNE-071003	7.1	8	41	79	36	77.8

产品系列 Specification \ 工件材料 Work Piece	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium alloy	铸铁 Cast iron	不锈钢 Stainless steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%
SNE										■			◆		

适用：■最佳 ◆适用 □能用　　Suit: ■Excellent ◆Good □OK

型号 Specification	DC	DCON	LCF	OAL	LS	LF
SNE-072003	7.2	8	41	79	36	77.6
SNE-073003	7.3	8	41	79	36	77.5
SNE-074003	7.4	8	41	79	36	77.5
SNE-075003	7.5	8	41	79	36	77.5
SNE-076003	7.6	8	41	79	36	77.5
SNE-077003	7.7	8	41	79	36	77.5
SNE-078003	7.8	8	41	79	36	77.4
SNE-079003	7.9	8	41	79	36	77.4
SNE-080003	8.0	8	41	79	36	77.4
SNE-081003	8.1	10	47	89	40	87.4
SNE-082003	8.2	10	47	89	40	87.4
SNE-083003	8.3	10	47	89	40	87.3
SNE-084003	8.4	10	47	89	40	87.3
SNE-085003	8.5	10	47	89	40	87.3
SNE-086003	8.6	10	47	89	40	87.3
SNE-087003	8.7	10	47	89	40	87.3
SNE-088003	8.8	10	47	89	40	87.2
SNE-089003	8.9	10	47	89	40	87.2
SNE-090003	9.0	10	47	89	40	87.2
SNE-091003	9.1	10	47	89	40	87.2
SNE-092003	9.2	10	47	89	40	87.2
SNE-093003	9.3	10	47	89	40	87.1
SNE-094003	9.4	10	47	89	40	87.1
SNE-095003	9.5	10	47	89	40	87.1
SNE-096003	9.6	10	47	89	40	87.1
SNE-097003	9.7	10	47	89	40	87.1
SNE-098003	9.8	10	47	89	40	87.0
SNE-099003	9.9	10	47	89	40	87.0
SNE-100003	10.0	10	47	89	40	87.0
SNE-101003	10.1	12	55	102	45	100.0
SNE-102003	10.2	12	55	102	45	100.0
SNE-103003	10.3	12	55	102	45	99.9
SNE-104003	10.4	12	55	102	45	99.9
SNE-105003	10.5	12	55	102	45	99.9
SNE-106003	10.6	12	55	102	45	99.9
SNE-107003	10.7	12	55	102	45	99.9
SNE-108003	10.8	12	55	102	45	99.8
SNE-109003	10.9	12	55	102	45	99.8
SNE-110003	11.0	12	55	102	45	99.8
SNE-111003	11.1	12	55	102	45	99.8
SNE-112003	11.2	12	55	102	45	99.8
SNE-113003	11.3	12	55	102	45	99.7
SNE-114003	11.4	12	55	102	45	99.7
SNE-115003	11.5	12	55	102	45	99.7
SNE-116003	11.6	12	55	102	45	99.7
SNE-117003	11.7	12	55	102	45	99.7
SNE-118003	11.8	12	55	102	45	99.6
SNE-119003	11.9	12	55	102	45	99.6
SNE-120003	12.0	12	55	102	45	99.6
SNE-121003	12.1	14	60	107	45	104.6
SNE-122003	12.2	14	60	107	45	104.6
SNE-123003	12.3	14	60	107	45	104.5
SNE-124003	12.4	14	60	107	45	104.5
SNE-125003	12.5	14	60	107	45	104.5

工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium alloy	铸铁 Cast iron	不锈钢 Stainless steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%
SNE										■			◆		

适用： ■最佳 ◆适用 □能用　　Suit: ■Excellent ◆Good □OK

型号 Specification	DC	DCON	LCF	OAL	LS	LF
SNE-126003	12.6	14	60	107	45	104.5
SNE-127003	12.7	14	60	107	45	104.5
SNE-128003	12.8	14	60	107	45	104.4
SNE-129003	12.9	14	60	107	45	104.4
SNE-130003	13.0	14	60	107	45	104.4
SNE-131003	13.1	14	60	107	45	104.4
SNE-132003	13.2	14	60	107	45	104.4
SNE-133003	13.3	14	60	107	45	104.3
SNE-134003	13.4	14	60	107	45	104.3
SNE-135003	13.5	14	60	107	45	104.3
SNE-136003	13.6	14	60	107	45	104.3
SNE-137003	13.7	14	60	107	45	104.3
SNE-138003	13.8	14	60	107	45	104.2
SNE-139003	13.9	14	60	107	45	104.2
SNE-140003	14.0	14	60	107	45	104.2
SNE-141003	14.1	16	65	115	48	112.2
SNE-142003	14.2	16	65	115	48	112.2
SNE-143003	14.3	16	65	115	48	112.1
SNE-144003	14.4	16	65	115	48	112.1
SNE-145003	14.5	16	65	115	48	112.1
SNE-146003	14.6	16	65	115	48	112.1
SNE-147003	14.7	16	65	115	48	112.1
SNE-148003	14.8	16	65	115	48	112.0
SNE-149003	14.9	16	65	115	48	112.0
SNE-150003	15.0	16	65	115	48	112.0
SNE-151003	15.1	16	65	115	48	112.0
SNE-152003	15.2	16	65	115	48	112.0
SNE-153003	15.3	16	65	115	48	111.9
SNE-154003	15.4	16	65	115	48	111.9
SNE-155003	15.5	16	65	115	48	111.9
SNE-156003	15.6	16	65	115	48	111.9
SNE-157003	15.7	16	65	115	48	111.9
SNE-158003	15.8	16	65	115	48	111.8
SNE-159003	15.9	16	65	115	48	111.8
SNE-160003	16.0	16	65	115	48	111.8
SNE-161003	16.1	18	73	123	48	119.8
SNE-162003	16.2	18	73	123	48	119.8
SNE-163003	16.3	18	73	123	48	119.7
SNE-164003	16.4	18	73	123	48	119.7
SNE-165003	16.5	18	73	123	48	119.7
SNE-166003	16.6	18	73	123	48	119.7
SNE-167003	16.7	18	73	123	48	119.7
SNE-168003	16.8	18	73	123	48	119.6
SNE-169003	16.9	18	73	123	48	119.6
SNE-170003	17.0	18	73	123	48	119.6
SNE-171003	17.1	18	73	123	48	119.6
SNE-172003	17.2	18	73	123	48	119.6
SNE-173003	17.3	18	73	123	48	119.5
SNE-174003	17.4	18	73	123	48	119.5
SNE-175003	17.5	18	73	123	48	119.5
SNE-176003	17.6	18	73	123	48	119.5
SNE-177003	17.7	18	73	123	48	119.5
SNE-178003	17.8	18	73	123	48	119.4
SNE-179003	17.9	18	73	123	48	119.4

工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium alloy	铸铁 Cast iron	不锈钢 Stainless steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%
SNE										■			◆		

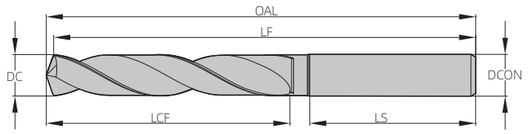
适用： ■最佳 ◆适用 □能用　　Suit: ■Excellent ◆Good □OK

型号 Specification	DC	DCON	LCF	OAL	LS	LF
SNE-180003	18.0	18	73	123	48	119
SNE-181003	18.1	20	79	131	50	127
SNE-182003	18.2	20	79	131	50	127
SNE-183003	18.3	20	79	131	50	127
SNE-184003	18.4	20	79	131	50	127
SNE-185003	18.5	20	79	131	50	127
SNE-186003	18.6	20	79	131	50	127
SNE-187003	18.7	20	79	131	50	127
SNE-188003	18.8	20	79	131	50	127
SNE-189003	18.9	20	79	131	50	127
SNE-190003	19.0	20	79	131	50	127
SNE-191003	19.1	20	79	131	50	127
SNE-192003	19.2	20	79	131	50	127
SNE-193003	19.3	20	79	131	50	127
SNE-194003	19.4	20	79	131	50	127
SNE-195003	19.5	20	79	131	50	127
SNE-196003	19.6	20	79	131	50	127
SNE-197003	19.7	20	79	131	50	127
SNE-198003	19.8	20	79	131	50	127
SNE-199003	19.9	20	79	131	50	127
SNE-200003	20.0	20	79	131	50	127

硬质合金钻头 Carbide Drill

SNE-05 SN有色金属钻头（5D）
Type-SN Drills Of Non-ferrous Metals (5D)





1.切削参数请参考AA083
2.单位：mm

1.Please refer to AA083 for cutting parameters.
2.Unit：mm

■SN有色金属钻头采用圆弧钻尖和锋利刃口；
■镜面抛光有效降低摩擦力，促进排屑流畅，提升孔口质量。

■SN non-ferrous metal drill with rounded tip and sharp edge;
■Mirror polishing effectively reduces friction, promotes smooth chip removal, and improves hole quality.

N | DIN 6537 L | HA h6 | h8 | 30° | 140°

型号 Specification	DC	DCON	LCF	OAL	LS	LF
SNE-030005	3.0	6	28	66	36	65.4
SNE-031005	3.1	6	28	66	36	65.4
SNE-032005	3.2	6	28	66	36	65.4
SNE-033005	3.3	6	28	66	36	65.3
SNE-034005	3.4	6	28	66	36	65.3
SNE-035005	3.5	6	28	66	36	65.3
SNE-036005	3.6	6	28	66	36	65.3
SNE-037005	3.7	6	28	66	36	65.3
SNE-038005	3.8	6	36	74	36	73.2
SNE-039005	3.9	6	36	74	36	73.2
SNE-040005	4.0	6	36	74	36	73.2
SNE-041005	4.1	6	36	74	36	73.2
SNE-042005	4.2	6	36	74	36	73.2
SNE-043005	4.3	6	36	74	36	73.1
SNE-044005	4.4	6	36	74	36	73.1
SNE-045005	4.5	6	36	74	36	73.1
SNE-046005	4.6	6	36	74	36	73.1
SNE-047005	4.7	6	36	74	36	73.1
SNE-048005	4.8	6	44	82	36	81.0
SNE-049005	4.9	6	44	82	36	81.0
SNE-050005	5.0	6	44	82	36	81.0
SNE-051005	5.1	6	44	82	36	81.0
SNE-052005	5.2	6	44	82	36	81.0
SNE-053005	5.3	6	44	82	36	80.9
SNE-054005	5.4	6	44	82	36	80.9
SNE-055005	5.5	6	44	82	36	80.9
SNE-056005	5.6	6	44	82	36	80.9
SNE-057005	5.7	6	44	82	36	80.9
SNE-058005	5.8	6	44	82	36	80.8
SNE-059005	5.9	6	44	82	36	80.8
SNE-060005	6.0	6	44	82	36	80.8
SNE-061005	6.1	8	53	91	36	89.8
SNE-062005	6.2	8	53	91	36	89.8
SNE-063005	6.3	8	53	91	36	89.7
SNE-064005	6.4	8	53	91	36	89.7
SNE-065005	6.5	8	53	91	36	89.7
SNE-066005	6.6	8	53	91	36	89.7
SNE-067005	6.7	8	53	91	36	89.7
SNE-068005	6.8	8	53	91	36	89.6
SNE-069005	6.9	8	53	91	36	89.6
SNE-070005	7.0	8	53	91	36	89.6
SNE-071005	7.1	8	53	91	36	89.6

工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium alloy	铸铁 Cast iron	不锈钢 Stainless steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%
SNE										■			◆		

适用： ■最佳 ◆适用 □能用　　Suit: ■Excellent ◆Good □OK

型号 Specification	DC	DCON	LCF	OAL	LS	LF
SNE-072005	7.2	8	53	91	36	89.6
SNE-073005	7.3	8	53	91	36	89.5
SNE-074005	7.4	8	53	91	36	89.5
SNE-075005	7.5	8	53	91	36	89.5
SNE-076005	7.6	8	53	91	36	89.5
SNE-077005	7.7	8	53	91	36	89.5
SNE-078005	7.8	8	53	91	36	89.4
SNE-079005	7.9	8	53	91	36	89.4
SNE-080005	8.0	8	53	91	36	89.4
SNE-081005	8.1	10	61	103	40	101.4
SNE-082005	8.2	10	61	103	40	101.4
SNE-083005	8.3	10	61	103	40	101.3
SNE-084005	8.4	10	61	103	40	101.3
SNE-085005	8.5	10	61	103	40	101.3
SNE-086005	8.6	10	61	103	40	101.3
SNE-087005	8.7	10	61	103	40	101.3
SNE-088005	8.8	10	61	103	40	101.2
SNE-089005	8.9	10	61	103	40	101.2
SNE-090005	9.0	10	61	103	40	101.2
SNE-091005	9.1	10	61	103	40	101.2
SNE-092005	9.2	10	61	103	40	101.2
SNE-093005	9.3	10	61	103	40	101.1
SNE-094005	9.4	10	61	103	40	101.1
SNE-095005	9.5	10	61	103	40	101.1
SNE-096005	9.6	10	61	103	40	101.1
SNE-097005	9.7	10	61	103	40	101.1
SNE-098005	9.8	10	61	103	40	101.0
SNE-099005	9.9	10	61	103	40	101.0
SNE-100005	10.0	10	61	103	40	101.0
SNE-101005	10.1	12	71	118	45	116.0
SNE-102005	10.2	12	71	118	45	116.0
SNE-103005	10.3	12	71	118	45	115.9
SNE-104005	10.4	12	71	118	45	115.9
SNE-105005	10.5	12	71	118	45	115.9
SNE-106005	10.6	12	71	118	45	115.9
SNE-107005	10.7	12	71	118	45	115.9
SNE-108005	10.8	12	71	118	45	115.8
SNE-109005	10.9	12	71	118	45	115.8
SNE-110005	11.0	12	71	118	45	115.8
SNE-111005	11.1	12	71	118	45	115.8
SNE-112005	11.2	12	71	118	45	115.8
SNE-113005	11.3	12	71	118	45	115.7
SNE-114005	11.4	12	71	118	45	115.7
SNE-115005	11.5	12	71	118	45	115.7
SNE-116005	11.6	12	71	118	45	115.7
SNE-117005	11.7	12	71	118	45	115.7
SNE-118005	11.8	12	71	118	45	115.6
SNE-119005	11.9	12	71	118	45	115.6
SNE-120005	12.0	12	71	118	45	115.6
SNE-121005	12.1	14	77	124	45	121.6
SNE-122005	12.2	14	77	124	45	121.6
SNE-123005	12.3	14	77	124	45	121.5
SNE-124005	12.4	14	77	124	45	121.5
SNE-125005	12.5	14	77	124	45	121.5

工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium alloy	铸铁 Cast iron	不锈钢 Stainless steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%
SNE										■			◆		

适用： ■最佳 ◆适用 □能用　　Suit: ■Excellent ◆Good □OK

型号 Specification	DC	DCON	LCF	OAL	LS	LF
SNE-126005	12.6	14	77	124	45	121.5
SNE-127005	12.7	14	77	124	45	121.5
SNE-128005	12.8	14	77	124	45	121.4
SNE-129005	12.9	14	77	124	45	121.4
SNE-130005	13.0	14	77	124	45	121.4
SNE-131005	13.1	14	77	124	45	121.4
SNE-132005	13.2	14	77	124	45	121.4
SNE-133005	13.3	14	77	124	45	121.3
SNE-134005	13.4	14	77	124	45	121.3
SNE-135005	13.5	14	77	124	45	121.3
SNE-136005	13.6	14	77	124	45	121.3
SNE-137005	13.7	14	77	124	45	121.3
SNE-138005	13.8	14	77	124	45	121.2
SNE-139005	13.9	14	77	124	45	121.2
SNE-140005	14.0	14	77	124	45	121.2
SNE-141005	14.1	16	83	133	48	130.2
SNE-142005	14.2	16	83	133	48	130.2
SNE-143005	14.3	16	83	133	48	130.1
SNE-144005	14.4	16	83	133	48	130.1
SNE-145005	14.5	16	83	133	48	130.1
SNE-146005	14.6	16	83	133	48	130.1
SNE-147005	14.7	16	83	133	48	130.1
SNE-148005	14.8	16	83	133	48	130.0
SNE-149005	14.9	16	83	133	48	130.0
SNE-150005	15.0	16	83	133	48	130.0
SNE-151005	15.1	16	83	133	48	130.0
SNE-152005	15.2	16	83	133	48	130.0
SNE-153005	15.3	16	83	133	48	129.9
SNE-154005	15.4	16	83	133	48	129.9
SNE-155005	15.5	16	83	133	48	129.9
SNE-156005	15.6	16	83	133	48	129.9
SNE-157005	15.7	16	83	133	48	129.9
SNE-158005	15.8	16	83	133	48	129.8
SNE-159005	15.9	16	83	133	48	129.8
SNE-160005	16.0	16	83	133	48	129.8
SNE-161005	16.1	18	93	143	48	139.8
SNE-162005	16.2	18	93	143	48	139.8
SNE-163005	16.3	18	93	143	48	139.7
SNE-164005	16.4	18	93	143	48	139.7
SNE-165005	16.5	18	93	143	48	139.7
SNE-166005	16.6	18	93	143	48	139.7
SNE-167005	16.7	18	93	143	48	139.7
SNE-168005	16.8	18	93	143	48	139.6
SNE-169005	16.9	18	93	143	48	139.6
SNE-170005	17.0	18	93	143	48	139.6
SNE-171005	17.1	18	93	143	48	139.6
SNE-172005	17.2	18	93	143	48	139.6
SNE-173005	17.3	18	93	143	48	139.5
SNE-174005	17.4	18	93	143	48	139.5
SNE-175005	17.5	18	93	143	48	139.5
SNE-176005	17.6	18	93	143	48	139.5
SNE-177005	17.7	18	93	143	48	139.5
SNE-178005	17.8	18	93	143	48	139.4
SNE-179005	17.9	18	93	143	48	139.4

工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium alloy	铸铁 Cast iron	不锈钢 Stainless steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%
SNE										■			◆		

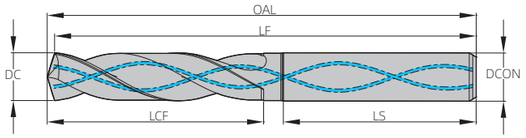
适用： ■最佳 ◆适用 □能用　　Suit: ■Excellent ◆Good □OK

型号 Specification	DC	DCON	LCF	OAL	LS	LF
SNE-180005	18.0	18	93	143	48	139.4
SNE-181005	18.1	20	101	153	50	149.4
SNE-182005	18.2	20	101	153	50	149.4
SNE-183005	18.3	20	101	153	50	149.3
SNE-184005	18.4	20	101	153	50	149.3
SNE-185005	18.5	20	101	153	50	149.3
SNE-186005	18.6	20	101	153	50	149.3
SNE-187005	18.7	20	101	153	50	149.3
SNE-188005	18.8	20	101	153	50	149.2
SNE-189005	18.9	20	101	153	50	149.2
SNE-190005	19.0	20	101	153	50	149.2
SNE-191005	19.1	20	101	153	50	149.2
SNE-192005	19.2	20	101	153	50	149.2
SNE-193005	19.3	20	101	153	50	149.1
SNE-194005	19.4	20	101	153	50	149.1
SNE-195005	19.5	20	101	153	50	149.1
SNE-196005	19.6	20	101	153	50	149.1
SNE-197005	19.7	20	101	153	50	149.1
SNE-198005	19.8	20	101	153	50	149.0
SNE-199005	19.9	20	101	153	50	149.0
SNE-200005	20.0	20	101	153	50	149.0

硬质合金钻头 Carbide Drill

SNO-03 | SN有色金属内冷钻头（3D）
Type-SN Drills With Internal Coolant Of Non-ferrous Metals (3D)





1.切削参数请参考AA083
2.单位：mm

1.Please refer to AA083 for cutting parameters.
2.Unit：mm

■SN有色金属钻头采用圆弧钻尖和锋利刃口；
■镜面抛光有效降低摩擦力，促进排屑流畅，提升孔口质量。

■SN non-ferrous metal drill with rounded tip and sharp edge;
■Mirror polishing effectively reduces friction, promotes smooth chip removal, and improves hole quality.

N	DIN 6537 K	HA h6	h8		30°	140°

型号 Specification	DC	DCON	LCF	OAL	LS	LF
SNO-030003	3.0	4	20	62	36	61.3
SNO-031003	3.1	4	20	62	36	61.3
SNO-032003	3.2	4	20	62	36	61.3
SNO-033003	3.3	4	20	62	36	61.3
SNO-034003	3.4	4	20	62	36	61.3
SNO-035003	3.5	4	20	62	36	61.3
SNO-036003	3.6	4	20	62	36	61.3
SNO-037003	3.7	4	20	62	36	61.3
SNO-038003	3.8	4	24	66	36	65.2
SNO-039003	3.9	4	24	66	36	65.2
SNO-040003	4.0	4	24	66	36	65.2
SNO-041003	4.1	6	24	66	36	65.2
SNO-042003	4.2	6	24	66	36	65.2
SNO-043003	4.3	6	24	66	36	65.1
SNO-044003	4.4	6	24	66	36	65.1
SNO-045003	4.5	6	24	66	36	65.1
SNO-046003	4.6	6	24	66	36	65.1
SNO-047003	4.7	6	24	66	36	65.1
SNO-048003	4.8	6	28	66	36	65.0
SNO-049003	4.9	6	28	66	36	65.0
SNO-050003	5.0	6	28	66	36	65.0
SNO-051003	5.1	6	28	66	36	65.0
SNO-052003	5.2	6	28	66	36	65.0
SNO-053003	5.3	6	28	66	36	64.9
SNO-054003	5.4	6	28	66	36	64.9
SNO-055003	5.5	6	28	66	36	64.9
SNO-056003	5.6	6	28	66	36	64.9
SNO-057003	5.7	6	28	66	36	64.9
SNO-058003	5.8	6	28	66	36	64.8
SNO-059003	5.9	6	28	66	36	64.8
SNO-060003	6.0	6	28	66	36	64.8
SNO-061003	6.1	8	34	79	36	77.8
SNO-062003	6.2	8	34	79	36	77.8
SNO-063003	6.3	8	34	79	36	77.7
SNO-064003	6.4	8	34	79	36	77.7
SNO-065003	6.5	8	34	79	36	77.7
SNO-066003	6.6	8	34	79	36	77.7
SNO-067003	6.7	8	34	79	36	77.7
SNO-068003	6.8	8	34	79	36	77.8
SNO-069003	6.9	8	34	79	36	77.8
SNO-070003	7.0	8	34	79	36	77.8
SNO-071003	7.1	8	41	79	36	77.8

工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium alloy	铸铁 Cast iron	不锈钢 Stainless steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%
SNO										■			◆		

适用：■最佳 ◆适用 □能用

Suit: ■Excellent ◆Good □OK

型号 Specification	DC	DCON	LCF	OAL	LS	LF
SNO-072003	7.2	8	41	79	36	77.6
SNO-073003	7.3	8	41	79	36	77.5
SNO-074003	7.4	8	41	79	36	77.5
SNO-075003	7.5	8	41	79	36	77.5
SNO-076003	7.6	8	41	79	36	77.5
SNO-077003	7.7	8	41	79	36	77.5
SNO-078003	7.8	8	41	79	36	77.4
SNO-079003	7.9	8	41	79	36	77.4
SNO-080003	8.0	8	41	79	36	77.4
SNO-081003	8.1	10	47	89	40	87.4
SNO-082003	8.2	10	47	89	40	87.4
SNO-083003	8.3	10	47	89	40	87.3
SNO-084003	8.4	10	47	89	40	87.3
SNO-085003	8.5	10	47	89	40	87.3
SNO-086003	8.6	10	47	89	40	87.3
SNO-087003	8.7	10	47	89	40	87.3
SNO-088003	8.8	10	47	89	40	87.2
SNO-089003	8.9	10	47	89	40	87.2
SNO-090003	9.0	10	47	89	40	87.2
SNO-091003	9.1	10	47	89	40	87.2
SNO-092003	9.2	10	47	89	40	87.2
SNO-093003	9.3	10	47	89	40	87.1
SNO-094003	9.4	10	47	89	40	87.1
SNO-095003	9.5	10	47	89	40	87.1
SNO-096003	9.6	10	47	89	40	87.1
SNO-097003	9.7	10	47	89	40	87.1
SNO-098003	9.8	10	47	89	40	87.0
SNO-099003	9.9	10	47	89	40	87.0
SNO-100003	10.0	10	47	89	40	87.0
SNO-101003	10.1	12	55	102	45	100.0
SNO-102003	10.2	12	55	102	45	100.0
SNO-103003	10.3	12	55	102	45	99.9
SNO-104003	10.4	12	55	102	45	99.9
SNO-105003	10.5	12	55	102	45	99.9
SNO-106003	10.6	12	55	102	45	99.9
SNO-107003	10.7	12	55	102	45	99.9
SNO-108003	10.8	12	55	102	45	99.8
SNO-109003	10.9	12	55	102	45	99.8
SNO-110003	11.0	12	55	102	45	99.8
SNO-111003	11.1	12	55	102	45	99.8
SNO-112003	11.2	12	55	102	45	99.8
SNO-113003	11.3	12	55	102	45	99.7
SNO-114003	11.4	12	55	102	45	99.7
SNO-115003	11.5	12	55	102	45	99.7
SNO-116003	11.6	12	55	102	45	99.7
SNO-117003	11.7	12	55	102	45	99.7
SNO-118003	11.8	12	55	102	45	99.6
SNO-119003	11.9	12	55	102	45	99.6
SNO-120003	12.0	12	55	102	45	99.6
SNO-121003	12.1	14	60	107	45	104.6
SNO-122003	12.2	14	60	107	45	104.6
SNO-123003	12.3	14	60	107	45	104.5
SNO-124003	12.4	14	60	107	45	104.5
SNO-125003	12.5	14	60	107	45	104.5

工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium alloy	铸铁 Cast iron	不锈钢 Stainless steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%
SNO										■			◆		

适用： ■ 最佳 ◆ 适用 □ 能用　　Suit: ■ Excellent ◆ Good □ OK

型号 Specification	DC	DCON	LCF	OAL	LS	LF
SNO-126003	12.6	14	60	107	45	104.5
SNO-127003	12.7	14	60	107	45	104.5
SNO-128003	12.8	14	60	107	45	104.4
SNO-129003	12.9	14	60	107	45	104.4
SNO-130003	13.0	14	60	107	45	104.4
SNO-131003	13.1	14	60	107	45	104.4
SNO-132003	13.2	14	60	107	45	104.4
SNO-133003	13.3	14	60	107	45	104.3
SNO-134003	13.4	14	60	107	45	104.3
SNO-135003	13.5	14	60	107	45	104.3
SNO-136003	13.6	14	60	107	45	104.3
SNO-137003	13.7	14	60	107	45	104.3
SNO-138003	13.8	14	60	107	45	104.2
SNO-139003	13.9	14	60	107	45	104.2
SNO-140003	14.0	14	60	107	45	104.2
SNO-141003	14.1	16	65	115	48	112.2
SNO-142003	14.2	16	65	115	48	112.2
SNO-143003	14.3	16	65	115	48	112.1
SNO-144003	14.4	16	65	115	48	112.1
SNO-145003	14.5	16	65	115	48	112.1
SNO-146003	14.6	16	65	115	48	112.1
SNO-147003	14.7	16	65	115	48	112.1
SNO-148003	14.8	16	65	115	48	112.0
SNO-149003	14.9	16	65	115	48	112.0
SNO-150003	15.0	16	65	115	48	112.0
SNO-151003	15.1	16	65	115	48	112.0
SNO-152003	15.2	16	65	115	48	112.0
SNO-153003	15.3	16	65	115	48	111.9
SNO-154003	15.4	16	65	115	48	111.9
SNO-155003	15.5	16	65	115	48	111.9
SNO-156003	15.6	16	65	115	48	111.9
SNO-157003	15.7	16	65	115	48	111.9
SNO-158003	15.8	16	65	115	48	111.8
SNO-159003	15.9	16	65	115	48	111.8
SNO-160003	16.0	16	65	115	48	111.8
SNO-161003	16.1	18	73	123	48	119.8
SNO-162003	16.2	18	73	123	48	119.8
SNO-163003	16.3	18	73	123	48	119.7
SNO-164003	16.4	18	73	123	48	119.7
SNO-165003	16.5	18	73	123	48	119.7
SNO-166003	16.6	18	73	123	48	119.7
SNO-167003	16.7	18	73	123	48	119.7
SNO-168003	16.8	18	73	123	48	119.6
SNO-169003	16.9	18	73	123	48	119.6
SNO-170003	17.0	18	73	123	48	119.6
SNO-171003	17.1	18	73	123	48	119.6
SNO-172003	17.2	18	73	123	48	119.6
SNO-173003	17.3	18	73	123	48	119.5
SNO-174003	17.4	18	73	123	48	119.5
SNO-175003	17.5	18	73	123	48	119.5
SNO-176003	17.6	18	73	123	48	119.5
SNO-177003	17.7	18	73	123	48	119.5
SNO-178003	17.8	18	73	123	48	119.4
SNO-179003	17.9	18	73	123	48	119.4

工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium alloy	铸铁 Cast iron	不锈钢 Stainless steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%
SNO										■			◆		

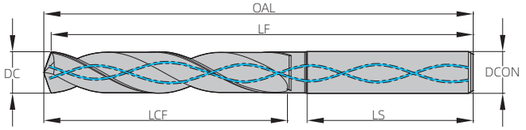
适用： ■ 最佳 ◆ 适用 □ 能用　　Suit: ■ Excellent ◆ Good □ OK

型号 Specification	DC	DCON	LCF	OAL	LS	LF
SNO-180003	18.0	18	73	123	48	119
SNO-181003	18.1	20	79	131	50	127
SNO-182003	18.2	20	79	131	50	127
SNO-183003	18.3	20	79	131	50	127
SNO-184003	18.4	20	79	131	50	127
SNO-185003	18.5	20	79	131	50	127
SNO-186003	18.6	20	79	131	50	127
SNO-187003	18.7	20	79	131	50	127
SNO-188003	18.8	20	79	131	50	127
SNO-189003	18.9	20	79	131	50	127
SNO-190003	19.0	20	79	131	50	127
SNO-191003	19.1	20	79	131	50	127
SNO-192003	19.2	20	79	131	50	127
SNO-193003	19.3	20	79	131	50	127
SNO-194003	19.4	20	79	131	50	127
SNO-195003	19.5	20	79	131	50	127
SNO-196003	19.6	20	79	131	50	127
SNO-197003	19.7	20	79	131	50	127
SNO-198003	19.8	20	79	131	50	127
SNO-199003	19.9	20	79	131	50	127
SNO-200003	20.0	20	79	131	50	127

硬质合金钻头 Carbide Drill

SNO-05 | SN有色金属内冷钻头（5D）
Type-SN Drills With Internal Coolant Of Non-ferrous Metals (5D)





1.切削参数请参考AA083
2.单位：mm

1.Please refer to AA083 for cutting parameters.
2.Unit：mm

■SN有色金属钻头采用圆弧钻尖和锋利刃口；
■镜面抛光有效降低摩擦力，促进排屑流畅，提升孔口质量。

■SN non-ferrous metal drill with rounded tip and sharp edge;
■Mirror polishing effectively reduces friction, promotes smooth chip removal, and improves hole quality.

N | DIN 6537 L | HA h6 | h8 | 30° | 140°

型号 Specification	DC	DCON	LCF	OAL	LS	LF
SNO-030005	3.0	4	28	66	36	65.4
SNO-031005	3.1	4	28	66	36	65.4
SNO-032005	3.2	4	28	66	36	65.4
SNO-033005	3.3	4	28	66	36	65.3
SNO-034005	3.4	4	28	66	36	65.3
SNO-035005	3.5	4	28	66	36	65.3
SNO-036005	3.6	4	28	66	36	65.3
SNO-037005	3.7	4	28	66	36	65.3
SNO-038005	3.8	4	36	74	36	73.2
SNO-039005	3.9	4	36	74	36	73.2
SNO-040005	4.0	4	36	74	36	73.2
SNO-041005	4.1	6	36	74	36	73.2
SNO-042005	4.2	6	36	74	36	73.2
SNO-043005	4.3	6	36	74	36	73.1
SNO-044005	4.4	6	36	74	36	73.1
SNO-045005	4.5	6	36	74	36	73.1
SNO-046005	4.6	6	36	74	36	73.1
SNO-047005	4.7	6	36	74	36	73.1
SNO-048005	4.8	6	44	82	36	81.0
SNO-049005	4.9	6	44	82	36	81.0
SNO-050005	5.0	6	44	82	36	81.0
SNO-051005	5.1	6	44	82	36	81.0
SNO-052005	5.2	6	44	82	36	81.0
SNO-053005	5.3	6	44	82	36	80.9
SNO-054005	5.4	6	44	82	36	80.9
SNO-055005	5.5	6	44	82	36	80.9
SNO-056005	5.6	6	44	82	36	80.9
SNO-057005	5.7	6	44	82	36	80.9
SNO-058005	5.8	6	44	82	36	80.8
SNO-059005	5.9	6	44	82	36	80.8
SNO-060005	6.0	6	44	82	36	80.8
SNO-061005	6.1	8	53	91	36	89.8
SNO-062005	6.2	8	53	91	36	89.8
SNO-063005	6.3	8	53	91	36	89.7
SNO-064005	6.4	8	53	91	36	89.7
SNO-065005	6.5	8	53	91	36	89.7
SNO-066005	6.6	8	53	91	36	89.7
SNO-067005	6.7	8	53	91	36	89.7
SNO-068005	6.8	8	53	91	36	89.6
SNO-069005	6.9	8	53	91	36	89.6
SNO-070005	7.0	8	53	91	36	89.6
SNO-071005	7.1	8	53	91	36	89.6

产品系列 Specification \ 工件材料 Work Piece	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium alloy	铸铁 Cast iron	不锈钢 Stainless steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%
SNO										■			◆		

适用：■最佳 ◆适用 □能用

Suit: ■Excellent ◆Good □OK

型号 Specification	DC	DCON	LCF	OAL	LS	LF
SNO-072005	7.2	8	53	91	36	89.6
SNO-073005	7.3	8	53	91	36	89.5
SNO-074005	7.4	8	53	91	36	89.5
SNO-075005	7.5	8	53	91	36	89.5
SNO-076005	7.6	8	53	91	36	89.5
SNO-077005	7.7	8	53	91	36	89.5
SNO-078005	7.8	8	53	91	36	89.4
SNO-079005	7.9	8	53	91	36	89.4
SNO-080005	8.0	8	53	91	36	89.4
SNO-081005	8.1	10	61	103	40	101.4
SNO-082005	8.2	10	61	103	40	101.4
SNO-083005	8.3	10	61	103	40	101.3
SNO-084005	8.4	10	61	103	40	101.3
SNO-085005	8.5	10	61	103	40	101.3
SNO-086005	8.6	10	61	103	40	101.3
SNO-087005	8.7	10	61	103	40	101.3
SNO-088005	8.8	10	61	103	40	101.2
SNO-089005	8.9	10	61	103	40	101.2
SNO-090005	9.0	10	61	103	40	101.2
SNO-091005	9.1	10	61	103	40	101.2
SNO-092005	9.2	10	61	103	40	101.2
SNO-093005	9.3	10	61	103	40	101.1
SNO-094005	9.4	10	61	103	40	101.1
SNO-095005	9.5	10	61	103	40	101.1
SNO-096005	9.6	10	61	103	40	101.1
SNO-097005	9.7	10	61	103	40	101.1
SNO-098005	9.8	10	61	103	40	101.0
SNO-099005	9.9	10	61	103	40	101.0
SNO-100005	10.0	10	61	103	40	101.0
SNO-101005	10.1	12	71	118	45	116.0
SNO-102005	10.2	12	71	118	45	116.0
SNO-103005	10.3	12	71	118	45	115.9
SNO-104005	10.4	12	71	118	45	115.9
SNO-105005	10.5	12	71	118	45	115.9
SNO-106005	10.6	12	71	118	45	115.9
SNO-107005	10.7	12	71	118	45	115.9
SNO-108005	10.8	12	71	118	45	115.8
SNO-109005	10.9	12	71	118	45	115.8
SNO-110005	11.0	12	71	118	45	115.8
SNO-111005	11.1	12	71	118	45	115.8
SNO-112005	11.2	12	71	118	45	115.8
SNO-113005	11.3	12	71	118	45	115.7
SNO-114005	11.4	12	71	118	45	115.7
SNO-115005	11.5	12	71	118	45	115.7
SNO-116005	11.6	12	71	118	45	115.7
SNO-117005	11.7	12	71	118	45	115.7
SNO-118005	11.8	12	71	118	45	115.6
SNO-119005	11.9	12	71	118	45	115.6
SNO-120005	12.0	12	71	118	45	115.6
SNO-121005	12.1	14	77	124	45	121.6
SNO-122005	12.2	14	77	124	45	121.6
SNO-123005	12.3	14	77	124	45	121.5
SNO-124005	12.4	14	77	124	45	121.5
SNO-125005	12.5	14	77	124	45	121.5

工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium alloy	铸铁 Cast iron	不锈钢 Stainless steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%
SNO										■			◆		

适用： ■最佳 ◆适用 □能用　　Suit: ■Excellent ◆Good □OK

型号 Specification	DC	DCON	LCF	OAL	LS	LF
SNO-126005	12.6	14	77	124	45	121.5
SNO-127005	12.7	14	77	124	45	121.5
SNO-128005	12.8	14	77	124	45	121.4
SNO-129005	12.9	14	77	124	45	121.4
SNO-130005	13.0	14	77	124	45	121.4
SNO-131005	13.1	14	77	124	45	121.4
SNO-132005	13.2	14	77	124	45	121.4
SNO-133005	13.3	14	77	124	45	121.3
SNO-134005	13.4	14	77	124	45	121.3
SNO-135005	13.5	14	77	124	45	121.3
SNO-136005	13.6	14	77	124	45	121.3
SNO-137005	13.7	14	77	124	45	121.3
SNO-138005	13.8	14	77	124	45	121.2
SNO-139005	13.9	14	77	124	45	121.2
SNO-140005	14.0	14	77	124	45	121.2
SNO-141005	14.1	16	83	133	48	130.2
SNO-142005	14.2	16	83	133	48	130.2
SNO-143005	14.3	16	83	133	48	130.1
SNO-144005	14.4	16	83	133	48	130.1
SNO-145005	14.5	16	83	133	48	130.1
SNO-146005	14.6	16	83	133	48	130.1
SNO-147005	14.7	16	83	133	48	130.1
SNO-148005	14.8	16	83	133	48	130.0
SNO-149005	14.9	16	83	133	48	130.0
SNO-150005	15.0	16	83	133	48	130.0
SNO-151005	15.1	16	83	133	48	130.0
SNO-152005	15.2	16	83	133	48	130.0
SNO-153005	15.3	16	83	133	48	129.9
SNO-154005	15.4	16	83	133	48	129.9
SNO-155005	15.5	16	83	133	48	129.9
SNO-156005	15.6	16	83	133	48	129.9
SNO-157005	15.7	16	83	133	48	129.9
SNO-158005	15.8	16	83	133	48	129.8
SNO-159005	15.9	16	83	133	48	129.8
SNO-160005	16.0	16	83	133	48	129.8
SNO-161005	16.1	18	93	143	48	139.8
SNO-162005	16.2	18	93	143	48	139.8
SNO-163005	16.3	18	93	143	48	139.7
SNO-164005	16.4	18	93	143	48	139.7
SNO-165005	16.5	18	93	143	48	139.7
SNO-166005	16.6	18	93	143	48	139.7
SNO-167005	16.7	18	93	143	48	139.7
SNO-168005	16.8	18	93	143	48	139.6
SNO-169005	16.9	18	93	143	48	139.6
SNO-170005	17.0	18	93	143	48	139.6
SNO-171005	17.1	18	93	143	48	139.6
SNO-172005	17.2	18	93	143	48	139.6
SNO-173005	17.3	18	93	143	48	139.5
SNO-174005	17.4	18	93	143	48	139.5
SNO-175005	17.5	18	93	143	48	139.5
SNO-176005	17.6	18	93	143	48	139.5
SNO-177005	17.7	18	93	143	48	139.5
SNO-178005	17.8	18	93	143	48	139.4
SNO-179005	17.9	18	93	143	48	139.4

工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium alloy	铸铁 Cast iron	不锈钢 Stainless steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%
SNO										■			◆		

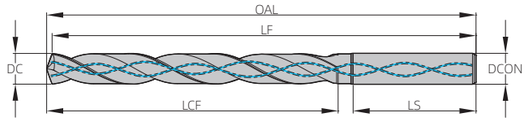
适用： ■最佳 ◆适用 □能用　　Suit: ■Excellent ◆Good □OK

型号 Specification	DC	DCON	LCF	OAL	LS	LF
SNO-180005	18.0	18	93	143	48	139.4
SNO-181005	18.1	20	101	153	50	149.4
SNO-182005	18.2	20	101	153	50	149.4
SNO-183005	18.3	20	101	153	50	149.3
SNO-184005	18.4	20	101	153	50	149.3
SNO-185005	18.5	20	101	153	50	149.3
SNO-186005	18.6	20	101	153	50	149.3
SNO-187005	18.7	20	101	153	50	149.3
SNO-188005	18.8	20	101	153	50	149.2
SNO-189005	18.9	20	101	153	50	149.2
SNO-190005	19.0	20	101	153	50	149.2
SNO-191005	19.1	20	101	153	50	149.2
SNO-192005	19.2	20	101	153	50	149.2
SNO-193005	19.3	20	101	153	50	149.1
SNO-194005	19.4	20	101	153	50	149.1
SNO-195005	19.5	20	101	153	50	149.1
SNO-196005	19.6	20	101	153	50	149.1
SNO-197005	19.7	20	101	153	50	149.1
SNO-198005	19.8	20	101	153	50	149.0
SNO-199005	19.9	20	101	153	50	149.0
SNO-200005	20.0	20	101	153	50	149.0

硬质合金钻头 Carbide Drill

SNO-07 | SN有色金属内冷钻头（7D）
Type-SN Drills With Internal Coolant Of Non-ferrous Metals (7D)







1.切削参数请参考AA083
2.单位：mm

1.Please refer to AA083 for cutting parameters.
2.Unit：mm

■SN有色金属钻头采用圆弧钻尖和锋利刃口；
■镜面抛光有效降低摩擦力，促进排屑流畅，提升孔口质量。

■SN non-ferrous metal drill with rounded tip and sharp edge;
■Mirror polishing effectively reduces friction, promotes smooth chip removal, and improves hole quality.

型号 Specification	DC	DCON	LCF	OAL	LS	LF
SNO-030007	3.0	4	30	68	36	67.4
SNO-031007	3.1	4	30	68	36	67.4
SNO-032007	3.2	4	30	68	36	67.4
SNO-033007	3.3	4	35	73	36	72.3
SNO-034007	3.4	4	35	73	36	72.3
SNO-035007	3.5	4	35	73	36	72.3
SNO-036007	3.6	4	35	73	36	72.3
SNO-037007	3.7	4	35	73	36	72.3
SNO-038007	3.8	4	42	80	36	79.2
SNO-039007	3.9	4	42	80	36	79.2
SNO-040007	4.0	4	42	80	36	79.2
SNO-041007	4.1	6	42	80	36	79.2
SNO-042007	4.2	6	42	80	36	79.2
SNO-043007	4.3	6	42	80	36	79.1
SNO-044007	4.4	6	42	80	36	79.1
SNO-045007	4.5	6	42	80	36	79.1
SNO-046007	4.6	6	42	80	36	79.1
SNO-047007	4.7	6	42	80	36	79.1
SNO-048007	4.8	6	50	88	36	87.0
SNO-049007	4.9	6	50	88	36	87.0
SNO-050007	5.0	6	50	88	36	87.0
SNO-051007	5.1	6	50	88	36	87.0
SNO-052007	5.2	6	50	88	36	87.0
SNO-053007	5.3	6	50	88	36	86.9
SNO-054007	5.4	6	50	88	36	86.9
SNO-055007	5.5	6	50	88	36	86.9
SNO-056007	5.6	6	50	88	36	86.9
SNO-057007	5.7	6	50	88	36	86.9
SNO-058007	5.8	6	50	88	36	86.8
SNO-059007	5.9	6	50	88	36	86.8
SNO-060007	6.0	6	50	88	36	86.8
SNO-061007	6.1	8	57	95	36	96.8
SNO-062007	6.2	8	57	95	36	93.8
SNO-063007	6.3	8	57	95	36	93.7
SNO-064007	6.4	8	57	95	36	93.7
SNO-065007	6.5	8	57	95	36	93.7
SNO-066007	6.6	8	57	95	36	93.7
SNO-067007	6.7	8	57	95	36	93.7
SNO-068007	6.8	8	57	95	36	93.6
SNO-069007	6.9	8	64	102	36	100.6
SNO-070007	7.0	8	64	102	36	100.6
SNO-071007	7.1	8	64	102	36	100.6

工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium alloy	铸铁 Cast iron	不锈钢 Stainless steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%
SNO										■			◆		

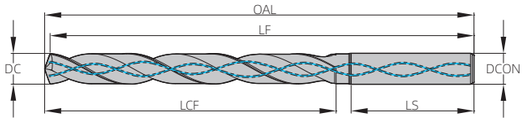
适用：■最佳 ◆适用 □能用　　Suit: ■Excellent ◆Good □OK

型号 Specification	DC	DCON	LCF	OAL	LS	LF
SNO-072007	7.2	8	64	102	36	100.6
SNO-073007	7.3	8	64	102	36	100.5
SNO-074007	7.4	8	64	102	36	100.5
SNO-075007	7.5	8	64	102	36	100.5
SNO-076007	7.6	8	64	102	36	100.5
SNO-077007	7.7	8	64	102	36	100.5
SNO-078007	7.8	8	72	110	36	108.4
SNO-079007	7.9	8	72	110	36	108.4
SNO-080007	8.0	8	72	110	36	108.4
SNO-081007	8.1	10	72	114	40	112.4
SNO-082007	8.2	10	72	114	40	112.4
SNO-083007	8.3	10	72	114	40	112.3
SNO-084007	8.4	10	72	114	40	112.3
SNO-085007	8.5	10	72	114	40	112.3
SNO-086007	8.6	10	72	114	40	112.3
SNO-087007	8.7	10	79	121	40	119.3
SNO-088007	8.8	10	79	121	40	119.2
SNO-089007	8.9	10	79	121	40	119.2
SNO-090007	9.0	10	79	121	40	119.2
SNO-091007	9.1	10	79	121	40	119.2
SNO-092007	9.2	10	79	121	40	119.2
SNO-093007	9.3	10	79	121	40	119.1
SNO-094007	9.4	10	79	121	40	119.1
SNO-095007	9.5	10	79	121	40	119.1
SNO-096007	9.6	10	85	127	40	125.1
SNO-097007	9.7	10	85	127	40	125.1
SNO-098007	9.8	10	85	127	40	125.0
SNO-099007	9.9	10	85	127	40	125.0
SNO-100007	10.0	10	85	127	40	125.0
SNO-102007	10.2	12	90	137	45	135.0
SNO-105007	10.5	12	90	137	45	134.9
SNO-108007	10.8	12	90	137	45	134.8
SNO-110007	11.0	12	95	142	45	139.8
SNO-112007	11.2	12	95	142	45	139.8
SNO-114007	11.4	12	95	142	45	139.7
SNO-115007	11.5	12	100	147	45	144.7
SNO-118007	11.8	12	100	147	45	144.6
SNO-120007	12.0	12	100	147	45	144.6
SNO-125007	12.5	14	120	167	45	164.5
SNO-130007	13.0	14	120	167	45	164.4
SNO-135007	13.5	14	120	167	45	164.3
SNO-140007	14.0	14	120	167	45	164.2
SNO-145007	14.5	16	135	185	48	182.1
SNO-150007	15.0	16	135	185	48	182.0
SNO-155007	15.5	16	135	185	48	181.9
SNO-160007	16.0	16	135	185	48	181.8
SNO-165007	16.5	18	150	200	48	196.7
SNO-170007	17.0	18	150	200	48	196.6
SNO-175007	17.5	18	150	200	48	196.5
SNO-180007	18.0	18	150	200	48	196.4
SNO-185007	18.5	20	168	220	50	216.3
SNO-190007	19.0	20	168	220	50	216.2
SNO-195007	19.5	20	168	220	50	216.1
SNO-200007	20.0	20	168	220	50	216.0

硬质合金钻头 Carbide Drill

LSPO | 小径内冷深孔钻
Type-LSPO Small-diameter Deep Hole Drills With Internal Coolant





1.切削参数请参考AA084
2.单位：mm

1.Please refer to AA084 for cutting parameters.
2.Unit：mm

■出色的性价比；　■更宽泛的库存，0.1mm一档；
■更多标准品类型的可选择，适应不同的工况；　■更短的交付周期。

■Excellent cost performance;
■Wider inventory, 0.1mm grade;
■More types of standard products are available for selection, adapting to different workpiece;
■Shorter delivery.

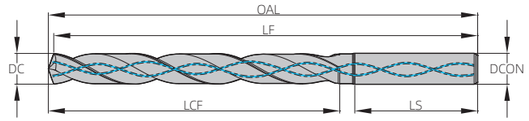
Si | EDV | HA h6 | f6 | 30° | 135°

内冷型号 Internal Cooling Specification 07/12/20/25/30/40/50	DC	DCON	7D		12D		20D		25D		30D		40D		50D	
			LCF	OAL	LCF	OAL	LCF	OAL	LCF	OAL	LCF	OAL	LCF	OAL	LCF	OAL
LSPO-0100**	1.0	4	10	55	15	58	23	67	28	73	33	79	43	90		
LSPO-0110**	1.1	4	11	55	17	58	25	67	31	73	36	79	47	90		
LSPO-0120**	1.2	4	12	55	18	60	28	71	34	77	40	84	52	97		
LSPO-0130**	1.3	4	13	55	20	60	30	71	36	77	43	84	56	97		
LSPO-0140**	1.4	4	14	55	21	63	32	75	39	82	46	90	60	105		
LSPO-0150**	1.5	4	15	55	23	63	35	75	42	82	50	90	65	105		
LSPO-0160**	1.6	4	16	57	24	66	37	79	45	88	53	99	69	113	85	130
LSPO-0170**	1.7	4	17	57	26	66	39	79	48	88	56	99	73	113	90	130
LSPO-0180**	1.8	4	18	59	27	69	41	84	50	94	59	104	77	123	95	142
LSPO-0190**	1.9	4	19	59	29	69	44	84	53	94	63	104	82	123	101	142
LSPO-0200**	2.0	4	20	62	30	73	46	91	56	102	66	113	86	136	106	158
LSPO-0210**	2.1	4	21	62	32	73	48	91	59	102	69	113	90	136	111	158
LSPO-0220**	2.2	4	22	62	33	73	51	91	62	102	73	113	95	136	117	158
LSPO-0230**	2.3	4	23	65	35	78	53	98	64	111	76	124	99	150	122	170
LSPO-0240**	2.4	4	24	65	36	78	55	98	67	111	79	124	103	150	127	170
LSPO-0250**	2.5	4	25	65	38	78	58	98	70	111	83	124	108	150	133	176
LSPO-0260**	2.6	4	26	65	39	78	60	98	73	111	86	124	112	150	138	184
LSPO-0270**	2.7	4	27	68	41	83	62	107	76	122	89	137	116	167	143	184
LSPO-0280**	2.8	4	28	68	42	83	64	107	78	122	92	137	120	167	148	195
LSPO-0290**	2.9	4	29	68	44	83	67	107	81	122	96	137	125	167	154	195

硬质合金钻头 Carbide Drill

LSPO | 内冷深孔钻
Type-LSPO Deep Hole Drills With Internal Coolant





1.切削参数请参考AA084
2.单位：mm

1.Please refer to AA084 for cutting parameters.
2.Unit：mm

■出色的性价比；　■更宽泛的库存，0.1mm一档；
■更多标准品类型的可选择，适应不同的工况；　■更短的交付周期。

■Excellent cost performance;
■Wider inventory, 0.1mm grade;
■More types of standard products are available for selection, adapting to different workpiece;
■Shorter delivery.

Si | EDV | HA h6 | h8 | 30° | 135°

内冷型号 Internal Cooling Specification 10/15/20/25/30/35/40	DC	DCON	10D		15D		20D		25D		30D		35D		40D	
			LCF	OAL	LCF	OAL	LCF	OAL	LCF	OAL	LCF	OAL	LCF	OAL	LCF	OAL
LSPO-0300**	3.0	4	39	88	55	104	69	118	85	134	100	149	114	163	129	178
LSPO-0310**	3.1	4	45	94	62	111	79	128	100	149	112	161				
LSPO-0320**	3.2	4	45	94	62	111	79	128	100	149	112	161				
LSPO-0330**	3.3	4	45	94	62	111	79	128	100	149	112	161				
LSPO-0340**	3.4	4	45	94	62	111	79	128	100	149	112	161				
LSPO-0350**	3.5	4	52	101	76	125	92	141	100	149	112	161	133	182	150	199
LSPO-0360**	3.6	4	52	101	76	125	92	141	116	165	132	181				
LSPO-0370**	3.7	4	52	101	76	125	92	141	116	165	132	181				
LSPO-0380**	3.8	4	52	101	76	125	92	141	116	165	132	181				
LSPO-0390**	3.9	4	52	101	76	125	92	141	116	165	132	181				
LSPO-0400**	4.0	4	52	101	76	125	92	141	116	165	132	181	152	201	172	221
LSPO-0410**	4.1	6	58	107	80	129	102	151	126	175	145	194				
LSPO-0420**	4.2	6	58	107	80	129	102	151	126	175	145	194				
LSPO-0430**	4.3	6	58	107	80	129	102	151	126	175	145	194				
LSPO-0440**	4.4	6	58	107	80	129	102	151	126	175	145	194				
LSPO-0450**	4.5	6	65	114	93	142	115	164	143	192	165	214	171	220	194	243
LSPO-0460**	4.6	6	65	114	93	142	115	164	143	192	165	214				
LSPO-0470**	4.7	6	65	114	93	142	115	164	143	192	165	214				
LSPO-0480**	4.8	6	65	114	93	142	115	164	143	192	165	214				
LSPO-0490**	4.9	6	65	114	93	142	115	164	143	192	165	214				
LSPO-0500**	5.0	6	65	114	93	142	115	164	143	192	165	214	190	239	215	264
LSPO-0510**	5.1	6	71	120	98	147	125	174	155	204	178	227				
LSPO-0520**	5.2	6	71	120	98	147	125	174	155	204	178	227				
LSPO-0530**	5.3	6	71	120	98	147	125	174	155	204	178	227				
LSPO-0540**	5.4	6	71	120	98	147	125	174	155	204	178	227				
LSPO-0550**	5.5	6	78	127	110	159	138	187	170	219	198	247	209	258	236	285
LSPO-0560**	5.6	6	78	127	110	159	138	187	170	219	198	247				
LSPO-0570**	5.7	6	78	127	110	159	138	187	170	219	198	247				
LSPO-0580**	5.8	6	78	127	110	159	138	187	170	219	198	247				
LSPO-0590**	5.9	6	78	127	110	159	138	187	170	219	198	247				
LSPO-0600**	6.0	6	78	127	110	159	138	187	170	219	198	247	228	277	258	307
LSPO-0610**	6.1	8	84	138	116	170	148	202								
LSPO-0620**	6.2	8	84	138	116	170	148	202								
LSPO-0630**	6.3	8	84	138	116	170	148	202								
LSPO-0640**	6.4	8	84	138	116	170	148	202								
LSPO-0650**	6.5	8	91	145	127	181	161	215	197	251	231	285				
LSPO-0660**	6.6	8	91	145	127	181	161	215								
LSPO-0670**	6.7	8	91	145	127	181	161	215								

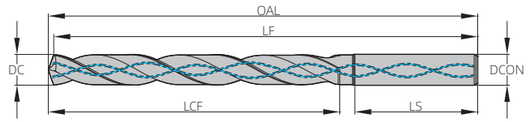
硬质合金钻头 Carbide Drill

LSPO | 内冷深孔钻
Type-LSPO Deep Hole Drills With Internal Coolant

内冷型号 Internal Cooling Specification 10/15/20/25/30/35/40	DC	DCON	10D		15D		20D		25D		30D		35D		40D	
			LCF	OAL	LCF	OAL	LCF	OAL	LCF	OAL	LCF	OAL	LCF	OAL	LCF	OAL
LSPO-0680**	6.8	8	91	145	127	181	161	215								
LSPO-0690**	6.9	8	91	145	127	181	161	215								
LSPO-0700**	7.0	8	91	145	127	181	161	215	197	251	231	285				
LSPO-0710**	7.1	8	97	151	134	188	171	225								
LSPO-0720**	7.2	8	97	151	134	188	171	225								
LSPO-0730**	7.3	8	97	151	134	188	171	225								
LSPO-0740**	7.4	8	97	151	134	188	171	225								
LSPO-0750**	7.5	8	104	158	143	197	184	238	223	277	264	318				
LSPO-0760**	7.6	8	104	158	143	197	184	238								
LSPO-0770**	7.7	8	104	158	143	197	184	238								
LSPO-0780**	7.8	8	104	158	143	197	184	238								
LSPO-0790**	7.9	8	104	158	143	197	184	238								
LSPO-0800**	8.0	8	104	158	143	197	184	238	223	277	264	318	304	358	344	398
LSPO-0850**	8.5	10	117	171	160	214	207	261	252	306	297	350				
LSPO-0900**	9.0	10	117	171	160	214	207	261	252	306	297	350				
LSPO-0950**	9.5	10	130	184	177	231	230	307	280	334	330	384				
LSPO-1000**	10.0	10	130	184	177	231	230	307	280	334	330	384				
LSPO-1050**	10.5	12	143	197	198	252	253	307	308	362						
LSPO-1100**	11.0	12	143	197	198	252	253	307	308	362						
LSPO-1150**	11.5	12	156	210	216	270	276	330	336	390						
LSPO-1200**	12.0	12	156	210	216	270	276	330	336	390						

LSMO | 不锈钢内冷深孔钻
Type-LSMO Deep Hole Drills With Internal Coolant Of Stainless Steel





1.切削参数请参考AA084
2.单位：mm

1.Please refer to AA084 for cutting parameters.
2.Unit：mm

■出色的性价比；■更宽泛的库存，0.1mm一档；
■更多标准品类型的可选择，适应不同的工况；■更短的交付周期。

■Excellent cost performance;
■Wider inventory, 0.1mm grade;
■More types of standard products are available for selection, adapting to different workpiece;
■Shorter delivery.

内冷型号 Internal Cooling Specification 10/15/20/25/30/35/40	DC	DCON	10D		15D		20D		25D		30D		35D		40D	
			LCF	OAL	LCF	OAL	LCF	OAL	LCF	OAL	LCF	OAL	LCF	OAL	LCF	OAL
LSMO-0300**	3.0	4	39	88	55	104	69	118	85	134	100	149	114	163	129	178
LSMO-0310**	3.1	4	45	94	62	111	79	128	100	149	112	161				
LSMO-0320**	3.2	4	45	94	62	111	79	128	100	149	112	161				
LSMO-0330**	3.3	4	45	94	62	111	79	128	100	149	112	161				
LSMO-0340**	3.4	4	45	94	62	111	79	128	100	149	112	161				
LSMO-0350**	3.5	4	52	101	76	125	92	141	100	149	112	161	133	182	150	199
LSMO-0360**	3.6	4	52	101	76	125	92	141	116	165	132	181				
LSMO-0370**	3.7	4	52	101	76	125	92	141	116	165	132	181				
LSMO-0380**	3.8	4	52	101	76	125	92	141	116	165	132	181				
LSMO-0390**	3.9	4	52	101	76	125	92	141	116	165	132	181				
LSMO-0400**	4.0	4	52	101	76	125	92	141	116	165	132	181	152	201	172	221
LSMO-0410**	4.1	6	58	107	80	129	102	151	126	175	145	194				
LSMO-0420**	4.2	6	58	107	80	129	102	151	126	175	145	194				
LSMO-0430**	4.3	6	58	107	80	129	102	151	126	175	145	194				
LSMO-0440**	4.4	6	58	107	80	129	102	151	126	175	145	194				
LSMO-0450**	4.5	6	65	114	93	142	115	164	143	192	165	214	171	220	194	243
LSMO-0460**	4.6	6	65	114	93	142	115	164	143	192	165	214				
LSMO-0470**	4.7	6	65	114	93	142	115	164	143	192	165	214				
LSMO-0480**	4.8	6	65	114	93	142	115	164	143	192	165	214				
LSMO-0490**	4.9	6	65	114	93	142	115	164	143	192	165	214				
LSMO-0500**	5.0	6	65	114	93	142	115	164	143	192	165	214	190	239	215	264
LSMO-0510**	5.1	6	71	120	98	147	125	174	155	204	178	227				
LSMO-0520**	5.2	6	71	120	98	147	125	174	155	204	178	227				
LSMO-0530**	5.3	6	71	120	98	147	125	174	155	204	178	227				
LSMO-0540**	5.4	6	71	120	98	147	125	174	155	204	178	227				
LSMO-0550**	5.5	6	78	127	110	159	138	187	170	219	198	247	209	258	236	285
LSMO-0560**	5.6	6	78	127	110	159	138	187	170	219	198	247				
LSMO-0570**	5.7	6	78	127	110	159	138	187	170	219	198	247				
LSMO-0580**	5.8	6	78	127	110	159	138	187	170	219	198	247				
LSMO-0590**	5.9	6	78	127	110	159	138	187	170	219	198	247				
LSMO-0600**	6.0	6	78	127	110	159	138	187	170	219	198	247	228	277	258	307
LSMO-0610**	6.1	8	84	138	116	170	148	202								
LSMO-0620**	6.2	8	84	138	116	170	148	202								
LSMO-0630**	6.3	8	84	138	116	170	148	202								
LSMO-0640**	6.4	8	84	138	116	170	148	202								
LSMO-0650**	6.5	8	91	145	127	181	161	215	197	251	231	285				
LSMO-0660**	6.6	8	91	145	127	181	161	215								
LSMO-0670**	6.7	8	91	145	127	181	161	215								

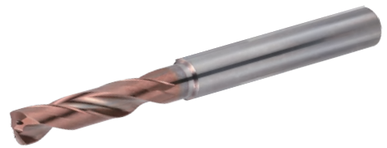
硬质合金钻头 Carbide Drill

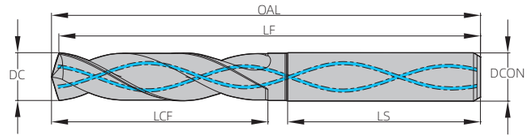
LSMO | 不锈钢内冷深孔钻
Type-LSMO Deep Hole Drills With Internal Coolant Of Stainless Steel

内冷型号 Internal Cooling Specification 10/15/20/25/30/35/40	DC	DCON	10D		15D		20D		25D		30D		35D		40D	
			LCF	OAL	LCF	OAL	LCF	OAL	LCF	OAL	LCF	OAL	LCF	OAL	LCF	OAL
LSMO-0680**	6.8	8	91	145	127	181	161	215								
LSMO-0690**	6.9	8	91	145	127	181	161	215								
LSMO-0700**	7.0	8	91	145	127	181	161	215	197	251	231	285				
LSMO-0710**	7.1	8	97	151	134	188	171	225								
LSMO-0720**	7.2	8	97	151	134	188	171	225								
LSMO-0730**	7.3	8	97	151	134	188	171	225								
LSMO-0740**	7.4	8	97	151	134	188	171	225								
LSMO-0750**	7.5	8	104	158	143	197	184	238	223	277	264	318				
LSMO-0760**	7.6	8	104	158	143	197	184	238								
LSMO-0770**	7.7	8	104	158	143	197	184	238								
LSMO-0780**	7.8	8	104	158	143	197	184	238								
LSMO-0790**	7.9	8	104	158	143	197	184	238								
LSMO-0800**	8.0	8	104	158	143	197	184	238	223	277	264	318	304	358	344	398
LSMO-0850**	8.5	10	117	171	160	214	207	261	252	306	297	350				
LSMO-0900**	9.0	10	117	171	160	214	207	261	252	306	297	350				
LSMO-0950**	9.5	10	130	184	177	231	230	307	280	334	330	384				
LSMO-1000**	10.0	10	130	184	177	231	230	307	280	334	330	384				
LSMO-1050**	10.5	12	143	197	198	252	253	307	308	362						
LSMO-1100**	11.0	12	143	197	198	252	253	307	308	362						
LSMO-1150**	11.5	12	156	210	216	270	276	330	336	390						
LSMO-1200**	12.0	12	156	210	216	270	276	330	336	390						

硬质合金钻头 Carbide Drill

XSPO | 底孔钻
Type-XSPO Pilot Drills





1.切削参数请参考AA083
2.单位：mm

1.Please refer to AA083 for cutting parameters.
2.Unit：mm

刃径 Cutting Diameter	DC<3	3≤DC≤12
公差 Tolerance	k6	m7

Si | EDV | HA h6 | h8 | 30° | 140°

型号 Specification	DC	DCON	LCF	OAL
XSPO-010003	1.0	4	6	50
XSPO-011003	1.1	4	7	50
XSPO-012003	1.2	4	7	50
XSPO-013003	1.3	4	8	50
XSPO-014003	1.4	4	8	50
XSPO-015003	1.5	4	9	50
XSPO-016003	1.6	4	10	50
XSPO-017003	1.7	4	10	50
XSPO-018003	1.8	4	11	50
XSPO-019003	1.9	4	11	50
XSPO-020003	2.0	4	12	55
XSPO-021003	2.1	6	13	55
XSPO-022003	2.2	6	13	55
XSPO-023003	2.3	6	14	55
XSPO-024003	2.4	6	14	55
XSPO-025003	2.5	6	15	55
XSPO-026003	2.6	6	16	55
XSPO-027003	2.7	6	16	55
XSPO-028003	2.8	6	17	55
XSPO-029003	2.9	6	17	55
XSPO-030003	3.0	6	20	62
XSPO-031003	3.1	6	20	62
XSPO-032003	3.2	6	20	62
XSPO-033003	3.3	6	20	62
XSPO-034003	3.4	6	20	62
XSPO-035003	3.5	6	20	62
XSPO-036003	3.6	6	20	62
XSPO-037003	3.7	6	20	62
XSPO-038003	3.8	6	24	66
XSPO-039003	3.9	6	24	66
XSPO-040003	4.0	6	24	66
XSPO-041003	4.1	8	24	66
XSPO-042003	4.2	8	24	66
XSPO-043003	4.3	8	24	66
XSPO-044003	4.4	8	24	66
XSPO-045003	4.5	8	24	66
XSPO-046003	4.6	8	24	66
XSPO-047003	4.7	8	24	66
XSPO-048003	4.8	8	28	66
XSPO-049003	4.9	8	28	66
XSPO-050003	5.0	8	28	66
XSPO-051003	5.1	8	28	66

型号 Specification	DC	DCON	LCF	OAL
XSPO-052003	5.2	6	28	66
XSPO-053003	5.3	6	28	66
XSPO-054003	5.4	6	28	66
XSPO-055003	5.5	6	28	66
XSPO-056003	5.6	6	28	66
XSPO-057003	5.7	6	28	66
XSPO-058003	5.8	6	28	66
XSPO-059003	5.9	6	28	66
XSPO-060003	6	6	28	66
XSPO-061003	6.1	8	34	79
XSPO-062003	6.2	8	34	79
XSPO-063003	6.3	8	34	79
XSPO-064003	6.4	8	34	79
XSPO-065003	6.5	8	34	79
XSPO-066003	6.6	8	34	79
XSPO-067003	6.7	8	34	79
XSPO-068003	6.8	8	34	79
XSPO-069003	6.9	8	34	79
XSPO-070003	7	8	34	79
XSPO-071003	7.1	8	41	79
XSPO-072003	7.2	8	41	79
XSPO-073003	7.3	8	41	79
XSPO-074003	7.4	8	41	79
XSPO-075003	7.5	8	41	79
XSPO-076003	7.6	8	41	79
XSPO-077003	7.7	8	41	79
XSPO-078003	7.8	8	41	79
XSPO-079003	7.9	8	41	79
XSPO-080003	8	8	41	79
XSPO-081003	8.1	10	47	89
XSPO-082003	8.2	10	47	89
XSPO-083003	8.3	10	47	89
XSPO-084003	8.4	10	47	89
XSPO-085003	8.5	10	47	89
XSPO-086003	8.6	10	47	89
XSPO-087003	8.7	10	47	89
XSPO-088003	8.8	10	47	89
XSPO-089003	8.9	10	47	89
XSPO-090003	9	10	47	89
XSPO-091003	9.1	10	47	89
XSPO-092003	9.2	10	47	89
XSPO-093003	9.3	10	47	89

型号 Specification	DC	DCON	LCF	OAL
XSPO-094003	9.4	10	47	89
XSPO-095003	9.5	10	47	89
XSPO-096003	9.6	10	47	89
XSPO-097003	9.7	10	47	89
XSPO-098003	9.8	10	47	89
XSPO-099003	9.9	10	47	89
XSPO-100003	10	10	47	89
XSPO-101003	10.1	12	55	102
XSPO-102003	10.2	12	55	102
XSPO-103003	10.3	12	55	102
XSPO-104003	10.4	12	55	102
XSPO-105003	10.5	12	55	102
XSPO-106003	10.6	12	55	102
XSPO-107003	10.7	12	55	102
XSPO-108003	10.8	12	55	102
XSPO-109003	10.9	12	55	102
XSPO-110003	11	12	55	102
XSPO-111003	11.1	12	55	102
XSPO-112003	11.2	12	55	102
XSPO-113003	11.3	12	55	102
XSPO-114003	11.4	12	55	102
XSPO-115003	11.5	12	55	102
XSPO-116003	11.6	12	55	102
XSPO-117003	11.7	12	55	102
XSPO-118003	11.8	12	55	102
XSPO-119003	11.9	12	55	102
XSPO-120003	12	12	55	102

硬质合金钻头 Carbide Drill

硬质合金钻头加工参数推荐表 Recommended Processing Parameter For Solid Carbide Drill
RPE·SPE·SKE·SNE·NPE

加工材料 Processing material / 变量参数 Variable parameter	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium alloy	铸铁 Cast iron	不锈钢 Stainless steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	HB<320	Cr<13%
切削速度Vc(m/min)	40~80			50~90		20~50	10~30			70~180	60~120	10~30	50~70	10~25	
直径（mm）	根据钻头直径推荐进给(mm/r)														
3	0.06~0.13			0.05~0.11		0.05~0.07	0.02~0.04			0.08~0.14	0.07~0.22	0.04~0.07	0.08~0.16	0.02~0.06	
4	0.09~0.16			0.08~0.14		0.06~0.10	0.02~0.06			0.10~0.16	0.09~0.24	0.05~0.09	0.10~0.20	0.02~0.08	
6	0.11~0.22			0.09~0.19		0.08~0.14	0.04~0.08			0.12~0.20	0.12~0.31	0.08~0.12	0.12~0.24	0.04~0.10	
8	0.13~0.26			0.11~0.22		0.10~0.18	0.06~0.10			0.16~0.24	0.14~0.38	0.09~0.14	0.16~0.28	0.06~0.12	
10	0.15~0.31			0.13~0.26		0.12~0.22	0.07~0.11			0.20~0.28	0.17~0.44	0.10~0.16	0.20~0.32	0.07~0.13	
12	0.18~0.35			0.15~0.30		0.14~0.24	0.08~0.12			0.24~0.32	0.19~0.49	0.12~0.18	0.24~0.36	0.08~0.14	
16	0.22~0.42			0.19~0.36		0.18~0.32	0.09~0.14			0.28~0.40	0.25~0.60	0.14~0.20	0.28~0.44	0.09~0.16	
20	0.28~0.54			0.24~0.46		0.23~0.41	0.10~0.16			0.32~0.52	0.30~0.74	0.16~0.22	0.32~0.52	0.10~0.18	

注1：NPE系列加工参数选用为标准值的75%；
注2：推荐使用5%乳化液，当不能充分冷却时需要降低切削速度；
注3：请使用可靠的夹持方式，当夹持不稳定时需要降低进给。

Note 1: The NPE series processing parameters are selected as 75% of the standard value;
Note 2: It is recommended to use a 5% emulsion. When insufficient cooling is not possible, reducing the cutting speed（Vc) is necessary;
Note 3: Please use a reliable clamping method. When the clamping is unstable, lowering the feed(Fz) is necessary.

硬质合金钻头加工参数推荐表 Recommended Processing Parameter For Solid Carbide Drill
RPO·SPO·SKO·SNO

加工材料 Processing material / 变量参数 Variable parameter	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium alloy	铸铁 Cast iron	不锈钢 Stainless steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	HB<320	Cr<13%
切削速度Vc(m/min)	60~110			60~110		30~50	10~30			90~280	70~160	15~40	70~130	10~30	
直径（mm）	根据钻头直径推荐进给(mm/r)														
3	0.07~0.14			0.06~0.13		0.05~0.07	0.02~0.04			0.08~0.14	0.07~0.22	0.04~0.07	0.08~0.16	0.02~0.06	
4	0..08~0.16			0.08~0.14		0.06~0.10	0.02~0.06			0.10~0.16	0.09~0.24	0.05~0.09	0.10~0.20	0.02~0.08	
6	0.11~0.22			0.09~0.19		0.08~0.14	0.04~0.08			0.12~0.20	0.12~0.31	0.08~0.12	0.12~0.24	0.04~0.10	
8	0.13~0.26			0.11~0.22		0.10~0.18	0.06~0.10			0.16~0.24	0.14~0.38	0.09~0.14	0.16~0.28	0.06~0.12	
10	0.15~0.31			0.13~0.26		0.12~0.22	0.07~0.11			0.20~0.28	0.17~0.44	0.10~0.16	0.20~0.32	0.07~0.13	
12	0.18~0.35			0.15~0.30		0.14~0.24	0.08~0.12			0.24~0.32	0.19~0.49	0.12~0.18	0.24~0.36	0.08~0.14	
16	0.22~0.42			0.19~0.36		0.18~0.32	0.09~0.14			0.28~0.40	0.25~0.60	0.14~0.20	0.28~0.44	0.09~0.16	
20	0.28~0.54			0.24~0.46		0.23~0.41	0.10~0.16			0.32~0.52	0.30~0.74	0.16~0.22	0.32~0.52	0.10~0.18	

注1：推荐使用5%乳化液，当不能充分冷却时需要降低切削速度；
注2：请使用可靠的夹持方式，当夹持不稳定时需要降低进给。

Note 1: It is recommended to use a 5% emulsion. When sufficient cooling is not possible, the cutting speed(Vc) needs to be reduced;
Note 2: Please use a reliable clamping method. When the clamping is unstable, it is necessary to lower the feed(Fz).

硬质合金钻头 Carbide Drill

LSPO小径内冷深孔钻加工参数推荐表 Recommended Processing Parameter For Deep Hole Drill
LSPO

加工材料 Processing material / 变量参数 Variable parameter	软钢、合金钢、铸铁 Mild Steel、Alloy Steel、Cast iron	合金钢 Alloy Steel	不锈钢 Stainless Steel	高温合金、钛合金 Superalloy、Titanium Alloy
	HB < 300	HRC（30~40）	HB < 330	
切削速度Vc(m/min)	20~60	15~45	20~60	10~30
直径（mm）	根据钻头直径推荐进给(mm/r)			
1	0.01~0.03	0.01~0.03	0.01~0.03	0.01~0.02
1.5	0.02~0.04	0.02~0.04	0.02~0.04	0.01~0.02
2	0.02~0.06	0.02~0.05	0.02~0.06	0.01~0.03
2.5	0.03~0.07	0.03~0.06	0.03~0.07	0.01~0.03

注1：推荐使用5%乳化液，当不能充分冷却时需要降低切削速度；
注2：请使用可靠的夹持方式，当夹持不稳定时需要降低进给。

Note 1: It is recommended to use a 5% emulsion. When sufficient cooling is not possible, the cutting speed(Vc) needs to be reduced;
Note 2: Please use a reliable clamping method. When the clamping is unstable, it is necessary to lower the feed(Fz).

LSPO内冷深孔钻加工参数推荐表 Recommended Processing Parameter For Deep Hole Drill
LSPO

加工材料 Processing material / 变量参数 Variable parameter	软钢、合金钢 Mild Steel、Alloy Steel			合金钢 Alloy Steel	铸铁 Cast iron
	HB < 200	HB < 250	HB < 300	HRC（30~40）	
切削速度Vc(m/min)	50~100	40~90	35~65	30~50	40~70
直径（mm）	根据钻头直径推荐进给(mm/r)				
4	0.12~0.22	0.12~0.2	0.1~0.15	0.05~0.1	0.15~0.25
6	0.15~0.3	0.15~0.25	0.12~0.2	0.08~0.14	0.15~0.28
8	0.15~0.3	0.15~0.25	0.12~0.2	0.08~0.16	0.2~0.33
10	0.2~0.33	0.2~0.3	0.15~0.25	0.1~0.2	0.23~0.33
12	0.2~0.33	0.2~0.3	0.15~0.25	0.1~0.2	0.25~0.33

注1：推荐使用5%乳化液，当不能充分冷却时需要降低切削速度；
注2：请使用可靠的夹持方式，当夹持不稳定时需要降低进给。

Note 1: It is recommended to use a 5% emulsion. When sufficient cooling is not possible, the cutting speed(Vc) needs to be reduced;
Note 2: Please use a reliable clamping method. When the clamping is unstable, it is necessary to lower the feed(Fz).

LSMO不锈钢内冷深孔钻加工参数推荐表Recommended Processing Parameter For Deep Hole Drill Of Stainless Steel
LSMO

加工材料 Processing material / 变量参数 Variable parameter	不锈钢 Stainless Steel		硬化不锈钢 Hardened Stainless Steel	双相不锈钢 Duplex Stainless Steel	钛合金 Titanium Alloy	镍基合金 Nickel-based Alloy
	HB < 210	HB > 210	HB < 310	HB < 310	240 < HB < 340	38~45HRC
切削速度Vc(m/min)	50~90	40~80	30~60	30~60	30~50	25~40
直径（mm）	根据钻头直径推荐进给(mm/r)					
4	0.04~0.1	0.04~0.1	0.04~0.1	0.04~0.1	0.04~0.1	0.04~0.07
6	0.06~0.14	0.06~0.14	0.06~0.14	0.06~0.14	0.06~0.14	0.05~0.11
8	0.08~0.18	0.08~0.18	0.08~0.18	0.08~0.18	0.08~0.18	0.06~0.13
10	0.11~0.2	0.11~0.2	0.11~0.2	0.11~0.2	0.11~0.2	0.08~0.14
12	0.14~0.21	0.14~0.21	0.14~0.21	0.14~0.21	0.14~0.21	0.11~0.15

注1：推荐使用5%乳化液，当不能充分冷却时需要降低切削速度；
注2：请使用可靠的夹持方式，当夹持不稳定时需要降低进给。

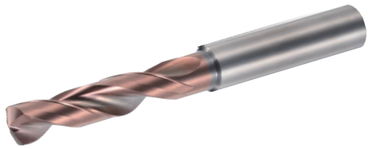
Note 1: It is recommended to use a 5% emulsion. When sufficient cooling is not possible, the cutting speed(Vc) needs to be reduced;
Note 2: Please use a reliable clamping method. When the clamping is unstable, it is necessary to lower the feed(Fz).

硬质合金钻头 Carbide Drill

通用系列 For General Machining: RPE型/RPO型

RPE

产品尺寸范围Size range:ϕ3mm-ϕ20mm, 3D/5D
适合加工材料Suitable for processing: P K
无内冷孔No coolant hole
型号Specification：RPE-□□□□03/05



RPO

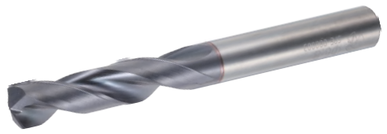
产品尺寸范围Size range:ϕ3mm-ϕ20mm, 3D/5D/7D
适合加工材料Suitable for processing: P K
有内冷孔Coolant hole
型号Specification：RP0-□□□□03/05/07



通用系列 For General Machining: SPE型/SPO型

SPE

产品尺寸范围Size range:ϕ3mm-ϕ20mm, 3D/5D
适合加工材料Suitable for processing: P M K
无内冷孔No coolant hole
型号Specification：SPE-□□□□03/05



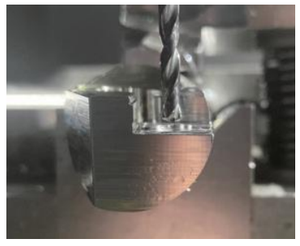
SPO

产品尺寸范围Size range:ϕ3mm-ϕ20mm, 3D/5D/7D
适合加工材料Suitable for processing: P M K
有内冷孔Coolant hole
型号Specification：SP0-□□□□03/05/07



通用系列钻头具备广泛的适用性能力！
For general machining series drills have a wide range of applicability capabilities!

应用实例 / Application Cases



1、硬料加工 40CrMo HRC46-48
转速:2100n/min
进给F:270mm/min
孔规格: ϕ5.1 L30mm
钻头型号Speciafication: SPE-051005
冷却方式Cooling method:
外部冷却（水溶性）External cooling
加工数量Processing holes: 1000Pcs
友商数量Other brand：600Pcs



2、灰铁 HT200 HB220
转速：3740n/min
进给F:330mm/min
孔规格: ϕ6.8 L25mm
钻头型号Speciafication: RPE-068005
冷却方式Cooling method:
外部冷却（水溶性）External cooling
加工数量Processing holes: 40000Pcs



3、碳钢 45# HB200
转速:3740n/min
进给F:330mm/min
孔规格: ϕ6.8 L50mm
钻头型号Speciafication: RPE-068007
冷却方式Cooling method:
内部冷却（水溶性）Internal cooling
加工孔数Processing holes:1600Pcs
友商数量Other brand：1200Pcs

硬质合金钻头 Carbide Drill

整体圆柄刀具
Solid Round Tools



AB

CARBIDE MICRO DRILL
整体硬质合金微钻

NomenclatureNomenclature
命名规则 **AB003-003**

Carbide Micro Drill For General-JD01
CMD 硬质合金通用微钻-JD01 **AB005-007**

Carbide Micro Longer Drill For General-JD02
CMDL 硬质合金通用加长微钻-JD02 **AB008-010**

Carbide Micro Drill For Soft Materials-JD03
CMD 硬质合金软料专用微钻-JD03 **AB011-013**

Carbide Micro Lengthening Drill For Soft Materials-JD04
CMDL 硬质合金软料专用加长微钻-JD04 **AB014-016**

Recommended Table Of Processing Parameters
加工参数推荐表 **AB017-017**

硬质合金微钻 Carbide Micro Drill

硬质合金微钻命名规则
Solid Carbide Micro Drill Nomenclature

类别说明 Category Description					
第一位基材类别 first letter base material category		第二位结构类别 second Letter structure category		第三位长度标准 third Length standard	
C	硬质合金 solid carbide	MD	微钻 micro drill		标长 standard length
H	高速钢 high speed steel	MC	定心钻 centering drill	L	加长 longer

柄径说明 Shank Description	
第一位 first	第二位 second
个位数 single digits	小数点第一位 the first decimal place

CMD-0043-30-JD01

尺寸说明 Size Description			
第一位 first	第二位 second	第三位 third	第四位 fourth
十位数 tens digit	个位数 single digits	小数点第一位 first decimal place	小数点第二位 second decimal place

产品系列编号 Serial Number Of The Product	
JD01	...

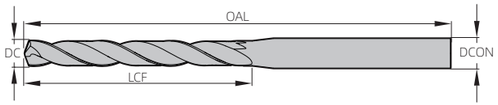
硬质合金微钻 Carbide Micro Drill

整体圆柄刀具
Solid Round Tools

硬质合金钻头 Carbide Drill

CMD | 硬质合金通用微钻-JD01
Carbide Micro Drill For General-JD01





Ti | HA h6 | h8 | 30° | 118° ≤1.0mm | 135° >1.0mm

1.切削参数请参考微钻加工参数参考表AB017
2.单位：mm

1. Please Refer To Reference Table Of Micro-drilling Parameters AB017
2.Unit:mm

型号 Specification	DC	LCF	DCON	OAL
CMD-0040-30-JD01	0.040	0.40	3	38
CMD-0045-30-JD01	0.045	0.45	3	38
CMD-0050-30-JD01	0.050	0.50	3	38
CMD-0055-30-JD01	0.055	0.55	3	38
CMD-0060-30-JD01	0.060	0.60	3	38
CMD-0065-30-JD01	0.065	0.65	3	38
CMD-0070-30-JD01	0.070	0.70	3	38
CMD-0075-30-JD01	0.075	0.75	3	38
CMD-0080-30-JD01	0.080	0.80	3	38
CMD-0085-30-JD01	0.085	0.85	3	38
CMD-0090-30-JD01	0.090	0.90	3	38
CMD-0095-30-JD01	0.095	0.95	3	38
CMD-0100-30-JD01	0.100	1.00	3	38
CMD-0110-30-JD01	0.110	1.00	3	38
CMD-0120-30-JD01	0.120	1.00	3	38
CMD-0130-30-JD01	0.130	1.50	3	38
CMD-0140-30-JD01	0.140	1.50	3	38
CMD-0150-30-JD01	0.150	1.50	3	38
CMD-0160-30-JD01	0.160	2.00	3	38
CMD-0170-30-JD01	0.170	2.00	3	38
CMD-0180-30-JD01	0.180	2.00	3	38
CMD-0190-30-JD01	0.190	2.00	3	38
CMD-0200-30-JD01	0.200	2.00	3	38
CMD-0210-30-JD01	0.210	2.50	3	38
CMD-0220-30-JD01	0.220	2.50	3	38
CMD-0230-30-JD01	0.230	2.50	3	38
CMD-0240-30-JD01	0.240	2.50	3	38
CMD-0250-30-JD01	0.250	2.50	3	38
CMD-0260-30-JD01	0.260	3.00	3	38
CMD-0270-30-JD01	0.270	3.00	3	38
CMD-0280-30-JD01	0.280	3.00	3	38
CMD-0290-30-JD01	0.290	3.00	3	38
CMD-0300-30-JD01	0.300	3.00	3	38
CMD-0310-30-JD01	0.310	3.00	3	38
CMD-0320-30-JD01	0.320	3.00	3	38
CMD-0330-30-JD01	0.330	3.00	3	38
CMD-0340-30-JD01	0.340	3.00	3	38
CMD-0350-30-JD01	0.350	3.00	3	38
CMD-0360-30-JD01	0.360	3.00	3	38
CMD-0370-30-JD01	0.370	3.00	3	38
CMD-0380-30-JD01	0.380	3.00	3	38
CMD-0390-30-JD01	0.390	3.00	3	38
CMD-0400-30-JD01	0.400	4.00	3	38
CMD-0410-30-JD01	0.410	4.00	3	38
CMD-0420-30-JD01	0.420	4.00	3	38
CMD-0430-30-JD01	0.430	4.00	3	38
CMD-0440-30-JD01	0.440	4.00	3	38
CMD-0450-30-JD01	0.450	4.00	3	38

型号 Specification	DC	LCF	DCON	OAL
CMD-0460-30-JD01	0.460	4.00	3	38
CMD-0470-30-JD01	0.470	4.00	3	38
CMD-0480-30-JD01	0.480	4.00	3	38
CMD-0490-30-JD01	0.490	4.00	3	38
CMD-0500-30-JD01	0.500	5.00	3	38
CMD-0510-30-JD01	0.510	5.00	3	38
CMD-0520-30-JD01	0.520	5.00	3	38
CMD-0530-30-JD01	0.530	5.00	3	38
CMD-0540-30-JD01	0.540	5.00	3	38
CMD-0550-30-JD01	0.550	5.00	3	38
CMD-0560-30-JD01	0.560	5.00	3	38
CMD-0570-30-JD01	0.570	5.00	3	38
CMD-0580-30-JD01	0.580	5.00	3	38
CMD-0590-30-JD01	0.590	5.00	3	38
CMD-0600-30-JD01	0.600	6.00	3	38
CMD-0610-30-JD01	0.610	6.00	3	38
CMD-0620-30-JD01	0.620	6.00	3	38
CMD-0630-30-JD01	0.630	6.00	3	38
CMD-0640-30-JD01	0.640	6.00	3	38
CMD-0650-30-JD01	0.650	6.00	3	38
CMD-0660-30-JD01	0.660	6.00	3	38
CMD-0670-30-JD01	0.670	6.00	3	38
CMD-0680-30-JD01	0.680	6.00	3	38
CMD-0690-30-JD01	0.690	6.00	3	38
CMD-0700-30-JD01	0.700	6.00	3	38
CMD-0710-30-JD01	0.710	6.00	3	38
CMD-0720-30-JD01	0.720	6.00	3	38
CMD-0730-30-JD01	0.730	6.00	3	38
CMD-0740-30-JD01	0.740	6.00	3	38
CMD-0750-30-JD01	0.750	6.00	3	38
CMD-0760-30-JD01	0.760	6.00	3	38
CMD-0770-30-JD01	0.770	6.00	3	38
CMD-0780-30-JD01	0.780	6.00	3	38
CMD-0790-30-JD01	0.790	6.00	3	38
CMD-0800-30-JD01	0.800	6.00	3	38
CMD-0810-30-JD01	0.810	6.00	3	38
CMD-0820-30-JD01	0.820	6.00	3	38
CMD-0830-30-JD01	0.830	6.00	3	38
CMD-0840-30-JD01	0.840	6.00	3	38
CMD-0850-30-JD01	0.850	6.00	3	38
CMD-0860-30-JD01	0.860	6.00	3	38
CMD-0870-30-JD01	0.870	6.00	3	38
CMD-0880-30-JD01	0.880	6.00	3	38
CMD-0890-30-JD01	0.890	6.00	3	38
CMD-0900-30-JD01	0.900	6.00	3	38
CMD-0910-30-JD01	0.910	6.00	3	38
CMD-0920-30-JD01	0.920	6.00	3	38
CMD-0930-30-JD01	0.930	6.00	3	38

硬质合金钻头 Carbide Drill

CMD | 硬质合金通用微钻-JD01
Carbide Micro Drill For General-JD01

型号 Specification	DC	LCF	DCON	OAL
CMD-0940-30-JD01	0.940	6.00	3	38
CMD-0950-30-JD01	0.950	6.00	3	38
CMD-0960-30-JD01	0.960	6.00	3	38
CMD-0970-30-JD01	0.970	6.00	3	38
CMD-0980-30-JD01	0.980	6.00	3	38
CMD-0990-30-JD01	0.990	6.00	3	38
CMD-1000-30-JD01	1.000	7.00	3	38
CMD-1010-30-JD01	1.010	7.00	3	38
CMD-1020-30-JD01	1.020	7.00	3	38
CMD-1030-30-JD01	1.030	7.00	3	38
CMD-1040-30-JD01	1.040	7.00	3	38
CMD-1050-30-JD01	1.050	7.00	3	38
CMD-1060-30-JD01	1.060	7.00	3	38
CMD-1070-30-JD01	1.070	7.00	3	38
CMD-1080-30-JD01	1.080	7.00	3	38
CMD-1090-30-JD01	1.090	7.00	3	38
CMD-1100-30-JD01	1.100	7.00	3	38
CMD-1110-30-JD01	1.110	7.00	3	38
CMD-1120-30-JD01	1.120	7.00	3	38
CMD-1130-30-JD01	1.130	7.00	3	38
CMD-1140-30-JD01	1.140	7.00	3	38
CMD-1150-30-JD01	1.150	7.00	3	38
CMD-1160-30-JD01	1.160	7.00	3	38
CMD-1170-30-JD01	1.170	7.00	3	38
CMD-1180-30-JD01	1.180	7.00	3	38
CMD-1190-30-JD01	1.190	7.00	3	38
CMD-1200-30-JD01	1.200	8.00	3	38
CMD-1210-30-JD01	1.210	8.00	3	38
CMD-1220-30-JD01	1.220	8.00	3	38
CMD-1230-30-JD01	1.230	8.00	3	38
CMD-1240-30-JD01	1.240	8.00	3	38
CMD-1250-30-JD01	1.250	8.00	3	38
CMD-1260-30-JD01	1.260	8.00	3	38
CMD-1270-30-JD01	1.270	8.00	3	38
CMD-1280-30-JD01	1.280	8.00	3	38
CMD-1290-30-JD01	1.290	8.00	3	38
CMD-1300-30-JD01	1.300	8.00	3	38
CMD-1310-30-JD01	1.310	8.00	3	38
CMD-1320-30-JD01	1.320	8.00	3	38
CMD-1330-30-JD01	1.330	8.00	3	38
CMD-1340-30-JD01	1.340	8.00	3	38
CMD-1350-30-JD01	1.350	8.00	3	38
CMD-1360-30-JD01	1.360	8.00	3	38
CMD-1370-30-JD01	1.370	8.00	3	38
CMD-1380-30-JD01	1.380	8.00	3	38
CMD-1390-30-JD01	1.390	8.00	3	38
CMD-1400-30-JD01	1.400	8.00	3	38
CMD-1410-30-JD01	1.410	8.00	3	38
CMD-1420-30-JD01	1.420	8.00	3	38
CMD-1430-30-JD01	1.430	8.00	3	38
CMD-1440-30-JD01	1.440	8.00	3	38
CMD-1450-30-JD01	1.450	8.00	3	38
CMD-1460-30-JD01	1.460	8.00	3	38
CMD-1470-30-JD01	1.470	8.00	3	38
CMD-1480-30-JD01	1.480	8.00	3	38
CMD-1490-30-JD01	1.490	8.00	3	38

型号 Specification	DC	LCF	DCON	OAL
CMD-1500-30-JD01	1.500	8.00	3	38
CMD-1510-30-JD01	1.510	10.00	3	38
CMD-1520-30-JD01	1.520	10.00	3	38
CMD-1530-30-JD01	1.530	10.00	3	38
CMD-1540-30-JD01	1.540	10.00	3	38
CMD-1550-30-JD01	1.550	10.00	3	38
CMD-1560-30-JD01	1.560	10.00	3	38
CMD-1570-30-JD01	1.570	10.00	3	38
CMD-1580-30-JD01	1.580	10.00	3	38
CMD-1590-30-JD01	1.590	10.00	3	38
CMD-1600-30-JD01	1.600	10.00	3	38
CMD-1610-30-JD01	1.610	10.00	3	38
CMD-1620-30-JD01	1.620	10.00	3	38
CMD-1630-30-JD01	1.630	10.00	3	38
CMD-1640-30-JD01	1.640	10.00	3	38
CMD-1650-30-JD01	1.650	10.00	3	38
CMD-1660-30-JD01	1.660	10.00	3	38
CMD-1670-30-JD01	1.670	10.00	3	38
CMD-1680-30-JD01	1.680	10.00	3	38
CMD-1690-30-JD01	1.690	10.00	3	38
CMD-1700-30-JD01	1.700	10.00	3	38
CMD-1710-30-JD01	1.710	10.00	3	38
CMD-1720-30-JD01	1.720	10.00	3	38
CMD-1730-30-JD01	1.730	10.00	3	38
CMD-1740-30-JD01	1.740	10.00	3	38
CMD-1750-30-JD01	1.750	10.00	3	38
CMD-1760-30-JD01	1.760	10.00	3	38
CMD-1770-30-JD01	1.770	10.00	3	38
CMD-1780-30-JD01	1.780	10.00	3	38
CMD-1790-30-JD01	1.790	10.00	3	38
CMD-1800-30-JD01	1.800	10.00	3	38
CMD-1810-30-JD01	1.810	10.00	3	38
CMD-1820-30-JD01	1.820	10.00	3	38
CMD-1830-30-JD01	1.830	10.00	3	38
CMD-1840-30-JD01	1.840	10.00	3	38
CMD-1850-30-JD01	1.850	10.00	3	38
CMD-1860-30-JD01	1.860	10.00	3	38
CMD-1870-30-JD01	1.870	10.00	3	38
CMD-1880-30-JD01	1.880	10.00	3	38
CMD-1890-30-JD01	1.890	10.00	3	38
CMD-1900-30-JD01	1.900	10.00	3	38
CMD-1910-30-JD01	1.910	10.00	3	38
CMD-1920-30-JD01	1.920	10.00	3	38
CMD-1930-30-JD01	1.930	10.00	3	38
CMD-1940-30-JD01	1.940	10.00	3	38
CMD-1950-30-JD01	1.950	10.00	3	38
CMD-1960-30-JD01	1.960	10.00	3	38
CMD-1970-30-JD01	1.970	10.00	3	38
CMD-1980-30-JD01	1.980	10.00	3	38
CMD-1990-30-JD01	1.990	10.00	3	38
CMD-2000-30-JD01	2.000	10.00	3	38
CMD-2010-30-JD01	2.010	12.00	3	38
CMD-2020-30-JD01	2.020	12.00	3	38
CMD-2030-30-JD01	2.030	12.00	3	38
CMD-2040-30-JD01	2.040	12.00	3	38
CMD-2050-30-JD01	2.050	12.00	3	38

硬质合金钻头 Carbide Drill

CMD | 硬质合金通用微钻-JD01
Carbide Micro Drill For General-JD01

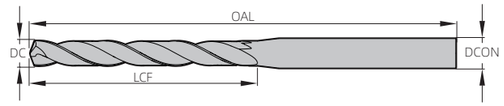
型号 Specification	DC	LCF	DCON	OAL
CMD-2060-30-JD01	2.060	12.00	3	38
CMD-2070-30-JD01	2.070	12.00	3	38
CMD-2080-30-JD01	2.080	12.00	3	38
CMD-2090-30-JD01	2.090	12.00	3	38
CMD-2100-30-JD01	2.100	12.00	3	38
CMD-2110-30-JD01	2.110	12.00	3	38
CMD-2120-30-JD01	2.120	12.00	3	38
CMD-2130-30-JD01	2.130	12.00	3	38
CMD-2140-30-JD01	2.140	12.00	3	38
CMD-2150-30-JD01	2.150	12.00	3	38
CMD-2160-30-JD01	2.160	12.00	3	38
CMD-2170-30-JD01	2.170	12.00	3	38
CMD-2180-30-JD01	2.180	12.00	3	38
CMD-2190-30-JD01	2.190	12.00	3	38
CMD-2200-30-JD01	2.200	12.00	3	38
CMD-2210-30-JD01	2.210	12.00	3	38
CMD-2220-30-JD01	2.220	12.00	3	38
CMD-2230-30-JD01	2.230	12.00	3	38
CMD-2240-30-JD01	2.240	12.00	3	38
CMD-2250-30-JD01	2.250	12.00	3	38
CMD-2260-30-JD01	2.260	12.00	3	38
CMD-2270-30-JD01	2.270	12.00	3	38
CMD-2280-30-JD01	2.280	12.00	3	38
CMD-2290-30-JD01	2.290	12.00	3	38
CMD-2300-30-JD01	2.300	12.00	3	38
CMD-2310-30-JD01	2.310	12.00	3	38
CMD-2320-30-JD01	2.320	12.00	3	38
CMD-2330-30-JD01	2.330	12.00	3	38
CMD-2340-30-JD01	2.340	12.00	3	38
CMD-2350-30-JD01	2.350	12.00	3	38
CMD-2360-30-JD01	2.360	12.00	3	38
CMD-2370-30-JD01	2.370	12.00	3	38
CMD-2380-30-JD01	2.380	12.00	3	38
CMD-2390-30-JD01	2.390	12.00	3	38
CMD-2400-30-JD01	2.400	12.00	3	38
CMD-2410-30-JD01	2.410	12.00	3	38
CMD-2420-30-JD01	2.420	12.00	3	38
CMD-2430-30-JD01	2.430	12.00	3	38
CMD-2440-30-JD01	2.440	12.00	3	38
CMD-2450-30-JD01	2.450	12.00	3	38
CMD-2460-30-JD01	2.460	12.00	3	38
CMD-2470-30-JD01	2.470	12.00	3	38
CMD-2480-30-JD01	2.480	12.00	3	38
CMD-2490-30-JD01	2.490	12.00	3	38
CMD-2500-30-JD01	2.500	12.00	3	38
CMD-2510-30-JD01	2.510	12.00	3	38
CMD-2520-30-JD01	2.520	12.00	3	38
CMD-2530-30-JD01	2.530	12.00	3	38

型号 Specification	DC	LCF	DCON	OAL
CMD-2540-30-JD01	2.540	12.00	3	38
CMD-2550-30-JD01	2.550	12.00	3	38
CMD-2560-30-JD01	2.560	12.00	3	38
CMD-2570-30-JD01	2.570	12.00	3	38
CMD-2580-30-JD01	2.580	12.00	3	38
CMD-2590-30-JD01	2.590	12.00	3	38
CMD-2600-30-JD01	2.600	12.00	3	38
CMD-2610-30-JD01	2.610	12.00	3	38
CMD-2620-30-JD01	2.620	12.00	3	38
CMD-2630-30-JD01	2.630	12.00	3	38
CMD-2640-30-JD01	2.640	12.00	3	38
CMD-2650-30-JD01	2.650	12.00	3	38
CMD-2660-30-JD01	2.660	12.00	3	38
CMD-2670-30-JD01	2.670	12.00	3	38
CMD-2680-30-JD01	2.680	12.00	3	38
CMD-2690-30-JD01	2.690	12.00	3	38
CMD-2700-30-JD01	2.700	12.00	3	38
CMD-2710-30-JD01	2.710	12.00	3	38
CMD-2720-30-JD01	2.720	12.00	3	38
CMD-2730-30-JD01	2.730	12.00	3	38
CMD-2740-30-JD01	2.740	12.00	3	38
CMD-2750-30-JD01	2.750	12.00	3	38
CMD-2760-30-JD01	2.760	12.00	3	38
CMD-2770-30-JD01	2.770	12.00	3	38
CMD-2780-30-JD01	2.780	12.00	3	38
CMD-2790-30-JD01	2.790	12.00	3	38
CMD-2800-30-JD01	2.800	12.00	3	38
CMD-2810-30-JD01	2.810	12.00	3	38
CMD-2820-30-JD01	2.820	12.00	3	38
CMD-2830-30-JD01	2.830	12.00	3	38
CMD-2840-30-JD01	2.840	12.00	3	38
CMD-2850-30-JD01	2.850	12.00	3	38
CMD-2860-30-JD01	2.860	12.00	3	38
CMD-2870-30-JD01	2.870	12.00	3	38
CMD-2880-30-JD01	2.880	12.00	3	38
CMD-2890-30-JD01	2.890	12.00	3	38
CMD-2900-30-JD01	2.900	12.00	3	38
CMD-2910-30-JD01	2.910	12.00	3	38
CMD-2920-30-JD01	2.920	12.00	3	38
CMD-2930-30-JD01	2.930	12.00	3	38
CMD-2940-30-JD01	2.940	12.00	3	38
CMD-2950-30-JD01	2.950	12.00	3	38
CMD-2960-30-JD01	2.960	12.00	3	38
CMD-2970-30-JD01	2.970	12.00	3	38
CMD-2980-30-JD01	2.980	12.00	3	38
CMD-2990-30-JD01	2.990	12.00	3	38
CMD-3000-30-JD01	3.000	12.00	3	38

硬质合金钻头 Carbide Drill

CMDL | 硬质合金通用加长微钻-JD02
Carbide Micro Lengthening Drill For General-JD02







1.切削参数请参考微钻加工参数参考表AB017
2.单位：mm

1. Please Refer To Reference Table Of Micro-drilling Parameters AB017
2.Unit:mm

型号 Specification	DC	LCF	DCON	OAL
CMDL-0040-30-JD02	0.040	0.60	3	38
CMDL-0045-30-JD02	0.045	0.70	3	38
CMDL-0050-30-JD02	0.050	0.90	3	38
CMDL-0055-30-JD02	0.055	0.90	3	38
CMDL-0060-30-JD02	0.060	0.90	3	38
CMDL-0065-30-JD02	0.065	0.90	3	38
CMDL-0070-30-JD02	0.070	1.20	3	38
CMDL-0075-30-JD02	0.075	1.20	3	38
CMDL-0080-30-JD02	0.080	1.20	3	38
CMDL-0085-30-JD02	0.085	1.20	3	38
CMDL-0090-30-JD02	0.090	1.20	3	38
CMDL-0095-30-JD02	0.095	1.20	3	38
CMDL-0100-30-JD02	0.100	2.00	3	38
CMDL-0110-30-JD02	0.110	2.00	3	38
CMDL-0120-30-JD02	0.120	2.00	3	38
CMDL-0130-30-JD02	0.130	3.00	3	38
CMDL-0140-30-JD02	0.140	3.00	3	38
CMDL-0150-30-JD02	0.150	3.00	3	38
CMDL-0160-30-JD02	0.160	4.00	3	38
CMDL-0170-30-JD02	0.170	4.00	3	38
CMDL-0180-30-JD02	0.180	4.00	3	38
CMDL-0190-30-JD02	0.190	4.00	3	38
CMDL-0200-30-JD02	0.200	4.00	3	38
CMDL-0210-30-JD02	0.210	5.00	3	38
CMDL-0220-30-JD02	0.220	5.00	3	38
CMDL-0230-30-JD02	0.230	5.00	3	38
CMDL-0240-30-JD02	0.240	5.00	3	38
CMDL-0250-30-JD02	0.250	5.00	3	38
CMDL-0260-30-JD02	0.260	6.00	3	38
CMDL-0270-30-JD02	0.270	6.00	3	38
CMDL-0280-30-JD02	0.280	6.00	3	38
CMDL-0290-30-JD02	0.290	6.00	3	38
CMDL-0300-30-JD02	0.300	6.00	3	38
CMDL-0310-30-JD02	0.310	6.00	3	38
CMDL-0320-30-JD02	0.320	6.00	3	38
CMDL-0330-30-JD02	0.330	6.00	3	38
CMDL-0340-30-JD02	0.340	6.00	3	38
CMDL-0350-30-JD02	0.350	6.00	3	38
CMDL-0360-30-JD02	0.360	6.00	3	38
CMDL-0370-30-JD02	0.370	6.00	3	38
CMDL-0380-30-JD02	0.380	6.00	3	38
CMDL-0390-30-JD02	0.390	6.00	3	38
CMDL-0400-30-JD02	0.400	6.00	3	38
CMDL-0410-30-JD02	0.410	7.00	3	38
CMDL-0420-30-JD02	0.420	7.00	3	38
CMDL-0430-30-JD02	0.430	7.00	3	38
CMDL-0440-30-JD02	0.440	7.00	3	38
CMDL-0450-30-JD02	0.450	7.00	3	38

型号 Specification	DC	LCF	DCON	OAL
CMDL-0460-30-JD02	0.460	7.00	3	38
CMDL-0470-30-JD02	0.470	7.00	3	38
CMDL-0480-30-JD02	0.480	7.00	3	38
CMDL-0490-30-JD02	0.490	7.00	3	38
CMDL-0500-30-JD02	0.500	7.00	3	38
CMDL-0510-30-JD02	0.510	9.00	3	38
CMDL-0520-30-JD02	0.520	9.00	3	38
CMDL-0530-30-JD02	0.530	9.00	3	38
CMDL-0540-30-JD02	0.540	9.00	3	38
CMDL-0550-30-JD02	0.550	9.00	3	38
CMDL-0560-30-JD02	0.560	9.00	3	38
CMDL-0570-30-JD02	0.570	9.00	3	38
CMDL-0580-30-JD02	0.580	9.00	3	38
CMDL-0590-30-JD02	0.590	9.00	3	38
CMDL-0600-30-JD02	0.600	9.00	3	38
CMDL-0610-30-JD02	0.610	9.00	3	38
CMDL-0620-30-JD02	0.620	9.00	3	38
CMDL-0630-30-JD02	0.630	9.00	3	38
CMDL-0640-30-JD02	0.640	9.00	3	38
CMDL-0650-30-JD02	0.650	9.00	3	38
CMDL-0660-30-JD02	0.660	9.00	3	38
CMDL-0670-30-JD02	0.670	9.00	3	38
CMDL-0680-30-JD02	0.680	9.00	3	38
CMDL-0690-30-JD02	0.690	9.00	3	38
CMDL-0700-30-JD02	0.700	9.00	3	38
CMDL-0710-30-JD02	0.710	10.00	3	38
CMDL-0720-30-JD02	0.720	10.00	3	38
CMDL-0730-30-JD02	0.730	10.00	3	38
CMDL-0740-30-JD02	0.740	10.00	3	38
CMDL-0750-30-JD02	0.750	10.00	3	38
CMDL-0760-30-JD02	0.760	10.00	3	38
CMDL-0770-30-JD02	0.770	10.00	3	38
CMDL-0780-30-JD02	0.780	10.00	3	38
CMDL-0790-30-JD02	0.790	10.00	3	38
CMDL-0800-30-JD02	0.800	10.00	3	38
CMDL-0810-30-JD02	0.810	10.00	3	38
CMDL-0820-30-JD02	0.820	10.00	3	38
CMDL-0830-30-JD02	0.830	10.00	3	38
CMDL-0840-30-JD02	0.840	10.00	3	38
CMDL-0850-30-JD02	0.850	10.00	3	38
CMDL-0860-30-JD02	0.860	10.00	3	38
CMDL-0870-30-JD02	0.870	10.00	3	38
CMDL-0880-30-JD02	0.880	10.00	3	38
CMDL-0890-30-JD02	0.890	10.00	3	38
CMDL-0900-30-JD02	0.900	10.00	3	38
CMDL-0910-30-JD02	0.910	10.00	3	38
CMDL-0920-30-JD02	0.920	10.00	3	38
CMDL-0930-30-JD02	0.930	10.00	3	38

硬质合金钻头 Carbide Drill

CMDL | 硬质合金通用加长微钻-JD02
Carbide Micro Lengthening Drill For General-JD02

型号 Specification	DC	LCF	DCON	OAL
CMDL-0940-30-JD02	0.940	10.00	3	38
CMDL-0950-30-JD02	0.950	10.00	3	38
CMDL-0960-30-JD02	0.960	10.00	3	38
CMDL-0970-30-JD02	0.970	10.00	3	38
CMDL-0980-30-JD02	0.980	10.00	3	38
CMDL-0990-30-JD02	0.990	10.00	3	38
CMDL-1000-30-JD02	1.000	12.00	3	38
CMDL-1010-30-JD02	1.010	12.00	3	38
CMDL-1020-30-JD02	1.020	12.00	3	38
CMDL-1030-30-JD02	1.030	12.00	3	38
CMDL-1040-30-JD02	1.040	12.00	3	38
CMDL-1050-30-JD02	1.050	12.00	3	38
CMDL-1060-30-JD02	1.060	12.00	3	38
CMDL-1070-30-JD02	1.070	12.00	3	38
CMDL-1080-30-JD02	1.080	12.00	3	38
CMDL-1090-30-JD02	1.090	12.00	3	38
CMDL-1100-30-JD02	1.100	12.00	3	38
CMDL-1110-30-JD02	1.110	12.00	3	38
CMDL-1120-30-JD02	1.120	12.00	3	38
CMDL-1130-30-JD02	1.130	12.00	3	38
CMDL-1140-30-JD02	1.140	12.00	3	38
CMDL-1150-30-JD02	1.150	12.00	3	38
CMDL-1160-30-JD02	1.160	12.00	3	38
CMDL-1170-30-JD02	1.170	12.00	3	38
CMDL-1180-30-JD02	1.180	12.00	3	38
CMDL-1190-30-JD02	1.190	12.00	3	38
CMDL-1200-30-JD02	1.200	12.00	3	38
CMDL-1210-30-JD02	1.210	15.00	3	38
CMDL-1220-30-JD02	1.220	15.00	3	38
CMDL-1230-30-JD02	1.230	15.00	3	38
CMDL-1240-30-JD02	1.240	15.00	3	38
CMDL-1250-30-JD02	1.250	15.00	3	38
CMDL-1260-30-JD02	1.260	15.00	3	38
CMDL-1270-30-JD02	1.270	15.00	3	38
CMDL-1280-30-JD02	1.280	15.00	3	38
CMDL-1290-30-JD02	1.290	15.00	3	38
CMDL-1300-30-JD02	1.300	15.00	3	38
CMDL-1310-30-JD02	1.310	15.00	3	38
CMDL-1320-30-JD02	1.320	15.00	3	38
CMDL-1330-30-JD02	1.330	15.00	3	38
CMDL-1340-30-JD02	1.340	15.00	3	38
CMDL-1350-30-JD02	1.350	15.00	3	38
CMDL-1360-30-JD02	1.360	15.00	3	38
CMDL-1370-30-JD02	1.370	15.00	3	38
CMDL-1380-30-JD02	1.380	15.00	3	38
CMDL-1390-30-JD02	1.390	15.00	3	38
CMDL-1400-30-JD02	1.400	15.00	3	38
CMDL-1410-30-JD02	1.410	15.00	3	38
CMDL-1420-30-JD02	1.420	15.00	3	38
CMDL-1430-30-JD02	1.430	15.00	3	38
CMDL-1440-30-JD02	1.440	15.00	3	38
CMDL-1450-30-JD02	1.450	15.00	3	38
CMDL-1460-30-JD02	1.460	15.00	3	38
CMDL-1470-30-JD02	1.470	15.00	3	38
CMDL-1480-30-JD02	1.480	15.00	3	38
CMDL-1490-30-JD02	1.490	15.00	3	38

型号 Specification	DC	LCF	DCON	OAL
CMDL-1500-30-JD02	1.500	20.00	3	50
CMDL-1510-30-JD02	1.510	20.00	3	50
CMDL-1520-30-JD02	1.520	20.00	3	50
CMDL-1530-30-JD02	1.530	20.00	3	50
CMDL-1540-30-JD02	1.540	20.00	3	50
CMDL-1550-30-JD02	1.550	20.00	3	50
CMDL-1560-30-JD02	1.560	20.00	3	50
CMDL-1570-30-JD02	1.570	20.00	3	50
CMDL-1580-30-JD02	1.580	20.00	3	50
CMDL-1590-30-JD02	1.590	20.00	3	50
CMDL-1600-30-JD02	1.600	20.00	3	50
CMDL-1610-30-JD02	1.610	20.00	3	50
CMDL-1620-30-JD02	1.620	20.00	3	50
CMDL-1630-30-JD02	1.630	20.00	3	50
CMDL-1640-30-JD02	1.640	20.00	3	50
CMDL-1650-30-JD02	1.650	20.00	3	50
CMDL-1660-30-JD02	1.660	20.00	3	50
CMDL-1670-30-JD02	1.670	20.00	3	50
CMDL-1680-30-JD02	1.680	20.00	3	50
CMDL-1690-30-JD02	1.690	20.00	3	50
CMDL-1700-30-JD02	1.700	20.00	3	50
CMDL-1710-30-JD02	1.710	20.00	3	50
CMDL-1720-30-JD02	1.720	20.00	3	50
CMDL-1730-30-JD02	1.730	20.00	3	50
CMDL-1740-30-JD02	1.740	20.00	3	50
CMDL-1750-30-JD02	1.750	20.00	3	50
CMDL-1760-30-JD02	1.760	20.00	3	50
CMDL-1770-30-JD02	1.770	20.00	3	50
CMDL-1780-30-JD02	1.780	20.00	3	50
CMDL-1790-30-JD02	1.790	20.00	3	50
CMDL-1800-30-JD02	1.800	20.00	3	50
CMDL-1810-30-JD02	1.810	20.00	3	50
CMDL-1820-30-JD02	1.820	20.00	3	50
CMDL-1830-30-JD02	1.830	20.00	3	50
CMDL-1840-30-JD02	1.840	20.00	3	50
CMDL-1850-30-JD02	1.850	20.00	3	50
CMDL-1860-30-JD02	1.860	20.00	3	50
CMDL-1870-30-JD02	1.870	20.00	3	50
CMDL-1880-30-JD02	1.880	20.00	3	50
CMDL-1890-30-JD02	1.890	20.00	3	50
CMDL-1900-30-JD02	1.900	20.00	3	50
CMDL-1910-30-JD02	1.910	20.00	3	50
CMDL-1920-30-JD02	1.920	20.00	3	50
CMDL-1930-30-JD02	1.930	20.00	3	50
CMDL-1940-30-JD02	1.940	20.00	3	50
CMDL-1950-30-JD02	1.950	20.00	3	50
CMDL-1960-30-JD02	1.960	20.00	3	50
CMDL-1970-30-JD02	1.970	20.00	3	50
CMDL-1980-30-JD02	1.980	20.00	3	50
CMDL-1990-30-JD02	1.990	20.00	3	50
CMDL-2000-30-JD02	2.000	20.00	3	60
CMDL-2010-30-JD02	2.010	25.00	3	60
CMDL-2020-30-JD02	2.020	25.00	3	60
CMDL-2030-30-JD02	2.030	25.00	3	60
CMDL-2040-30-JD02	2.040	25.00	3	60
CMDL-2050-30-JD02	2.050	25.00	3	60

硬质合金钻头 Carbide Drill

CMDL | 硬质合金通用加长微钻-JD02
Carbide Micro Lengthening Drill For General-JD02

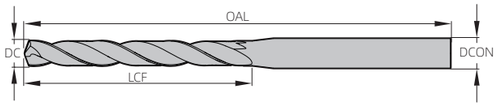
型号 Specification	DC	LCF	DCON	OAL
CMDL-2060-30-JD02	2.060	25.00	3	60
CMDL-2070-30-JD02	2.070	25.00	3	60
CMDL-2080-30-JD02	2.080	25.00	3	60
CMDL-2090-30-JD02	2.090	25.00	3	60
CMDL-2100-30-JD02	2.100	25.00	3	60
CMDL-2110-30-JD02	2.110	25.00	3	60
CMDL-2120-30-JD02	2.120	25.00	3	60
CMDL-2130-30-JD02	2.130	25.00	3	60
CMDL-2140-30-JD02	2.140	25.00	3	60
CMDL-2150-30-JD02	2.150	25.00	3	60
CMDL-2160-30-JD02	2.160	25.00	3	60
CMDL-2170-30-JD02	2.170	25.00	3	60
CMDL-2180-30-JD02	2.180	25.00	3	60
CMDL-2190-30-JD02	2.190	25.00	3	60
CMDL-2200-30-JD02	2.200	25.00	3	60
CMDL-2210-30-JD02	2.210	25.00	3	60
CMDL-2220-30-JD02	2.220	25.00	3	60
CMDL-2230-30-JD02	2.230	25.00	3	60
CMDL-2240-30-JD02	2.240	25.00	3	60
CMDL-2250-30-JD02	2.250	25.00	3	60
CMDL-2260-30-JD02	2.260	25.00	3	60
CMDL-2270-30-JD02	2.270	25.00	3	60
CMDL-2280-30-JD02	2.280	25.00	3	60
CMDL-2290-30-JD02	2.290	25.00	3	60
CMDL-2300-30-JD02	2.300	25.00	3	60
CMDL-2310-30-JD02	2.310	25.00	3	60
CMDL-2320-30-JD02	2.320	25.00	3	60
CMDL-2330-30-JD02	2.330	25.00	3	60
CMDL-2340-30-JD02	2.340	25.00	3	60
CMDL-2350-30-JD02	2.350	25.00	3	60
CMDL-2360-30-JD02	2.360	25.00	3	60
CMDL-2370-30-JD02	2.370	25.00	3	60
CMDL-2380-30-JD02	2.380	25.00	3	60
CMDL-2390-30-JD02	2.390	25.00	3	60
CMDL-2400-30-JD02	2.400	25.00	3	60
CMDL-2410-30-JD02	2.410	25.00	3	60
CMDL-2420-30-JD02	2.420	25.00	3	60
CMDL-2430-30-JD02	2.430	25.00	3	60
CMDL-2440-30-JD02	2.440	25.00	3	60
CMDL-2450-30-JD02	2.450	25.00	3	60
CMDL-2460-30-JD02	2.460	25.00	3	60
CMDL-2470-30-JD02	2.470	25.00	3	60
CMDL-2480-30-JD02	2.480	25.00	3	60
CMDL-2490-30-JD02	2.490	25.00	3	60
CMDL-2500-30-JD02	2.500	25.00	3	60
CMDL-2510-30-JD02	2.510	25.00	3	60
CMDL-2520-30-JD02	2.520	25.00	3	60
CMDL-2530-30-JD02	2.530	25.00	3	60

型号 Specification	DC	LCF	DCON	OAL
CMDL-2540-30-JD02	2.540	25.00	3	60
CMDL-2550-30-JD02	2.550	25.00	3	60
CMDL-2560-30-JD02	2.560	25.00	3	60
CMDL-2570-30-JD02	2.570	25.00	3	60
CMDL-2580-30-JD02	2.580	25.00	3	60
CMDL-2590-30-JD02	2.590	25.00	3	60
CMDL-2600-30-JD02	2.600	25.00	3	60
CMDL-2610-30-JD02	2.610	25.00	3	60
CMDL-2620-30-JD02	2.620	25.00	3	60
CMDL-2630-30-JD02	2.630	25.00	3	60
CMDL-2640-30-JD02	2.640	25.00	3	60
CMDL-2650-30-JD02	2.650	25.00	3	60
CMDL-2660-30-JD02	2.660	25.00	3	60
CMDL-2670-30-JD02	2.670	25.00	3	60
CMDL-2680-30-JD02	2.680	25.00	3	60
CMDL-2690-30-JD02	2.690	25.00	3	60
CMDL-2700-30-JD02	2.700	25.00	3	60
CMDL-2710-30-JD02	2.710	25.00	3	60
CMDL-2720-30-JD02	2.720	25.00	3	60
CMDL-2730-30-JD02	2.730	25.00	3	60
CMDL-2740-30-JD02	2.740	25.00	3	60
CMDL-2750-30-JD02	2.750	25.00	3	60
CMDL-2760-30-JD02	2.760	25.00	3	60
CMDL-2770-30-JD02	2.770	25.00	3	60
CMDL-2780-30-JD02	2.780	25.00	3	60
CMDL-2790-30-JD02	2.790	25.00	3	60
CMDL-2800-30-JD02	2.800	25.00	3	60
CMDL-2810-30-JD02	2.810	25.00	3	60
CMDL-2820-30-JD02	2.820	25.00	3	60
CMDL-2830-30-JD02	2.830	25.00	3	60
CMDL-2840-30-JD02	2.840	25.00	3	60
CMDL-2850-30-JD02	2.850	25.00	3	60
CMDL-2860-30-JD02	2.860	25.00	3	60
CMDL-2870-30-JD02	2.870	25.00	3	60
CMDL-2880-30-JD02	2.880	25.00	3	60
CMDL-2890-30-JD02	2.890	25.00	3	60
CMDL-2900-30-JD02	2.900	25.00	3	60
CMDL-2910-30-JD02	2.910	25.00	3	60
CMDL-2920-30-JD02	2.920	25.00	3	60
CMDL-2930-30-JD02	2.930	25.00	3	60
CMDL-2940-30-JD02	2.940	25.00	3	60
CMDL-2950-30-JD02	2.950	25.00	3	60
CMDL-2960-30-JD02	2.960	25.00	3	60
CMDL-2970-30-JD02	2.970	25.00	3	60
CMDL-2980-30-JD02	2.980	25.00	3	60
CMDL-2990-30-JD02	2.990	25.00	3	60
CMDL-3000-30-JD02	3.000	25.00	3	60

硬质合金钻头 Carbide Drill

CMD | 硬质合金软料专用微钻-JD03
Carbide Micro Drill For Soft Materials-JD03







1.切削参数请参考微钻加工参数参考表AB017
2.单位：mm

1. Please Refer To Reference Table Of Micro-drilling Parameters AB017
2.Unit:mm

型号 Specification	DC	LCF	DCON	OAL
CMD-0040-30-JD03	0.040	0.40	3	38
CMD-0045-30-JD03	0.045	0.45	3	38
CMD-0050-30-JD03	0.050	0.50	3	38
CMD-0055-30-JD03	0.055	0.55	3	38
CMD-0060-30-JD03	0.060	0.60	3	38
CMD-0065-30-JD03	0.065	0.65	3	38
CMD-0070-30-JD03	0.070	0.70	3	38
CMD-0075-30-JD03	0.075	0.75	3	38
CMD-0080-30-JD03	0.080	0.80	3	38
CMD-0085-30-JD03	0.085	0.85	3	38
CMD-0090-30-JD03	0.090	0.90	3	38
CMD-0095-30-JD03	0.095	0.95	3	38
CMD-0100-30-JD03	0.100	1.50	3	38
CMD-0110-30-JD03	0.110	1.50	3	38
CMD-0120-30-JD03	0.120	2.50	3	38
CMD-0130-30-JD03	0.130	2.50	3	38
CMD-0140-30-JD03	0.140	2.50	3	38
CMD-0150-30-JD03	0.150	2.50	3	38
CMD-0160-30-JD03	0.160	2.50	3	38
CMD-0170-30-JD03	0.170	2.50	3	38
CMD-0180-30-JD03	0.180	2.50	3	38
CMD-0190-30-JD03	0.190	2.50	3	38
CMD-0200-30-JD03	0.200	3.50	3	38
CMD-0210-30-JD03	0.210	3.50	3	38
CMD-0220-30-JD03	0.220	3.50	3	38
CMD-0230-30-JD03	0.230	3.50	3	38
CMD-0240-30-JD03	0.240	3.50	3	38
CMD-0250-30-JD03	0.250	3.50	3	38
CMD-0260-30-JD03	0.260	3.50	3	38
CMD-0270-30-JD03	0.270	3.50	3	38
CMD-0280-30-JD03	0.280	3.50	3	38
CMD-0290-30-JD03	0.290	3.50	3	38
CMD-0300-30-JD03	0.300	5.00	3	38
CMD-0310-30-JD03	0.310	5.00	3	38
CMD-0320-30-JD03	0.320	5.00	3	38
CMD-0330-30-JD03	0.330	5.00	3	38
CMD-0340-30-JD03	0.340	5.00	3	38
CMD-0350-30-JD03	0.350	5.00	3	38
CMD-0360-30-JD03	0.360	5.00	3	38
CMD-0370-30-JD03	0.370	5.00	3	38
CMD-0380-30-JD03	0.380	5.00	3	38
CMD-0390-30-JD03	0.390	5.00	3	38
CMD-0400-30-JD03	0.400	6.00	3	38
CMD-0410-30-JD03	0.410	6.00	3	38
CMD-0420-30-JD03	0.420	6.00	3	38
CMD-0430-30-JD03	0.430	6.00	3	38
CMD-0440-30-JD03	0.440	6.00	3	38
CMD-0450-30-JD03	0.450	6.00	3	38

型号 Specification	DC	LCF	DCON	OAL
CMD-0460-30-JD03	0.460	6.00	3	38
CMD-0470-30-JD03	0.470	6.00	3	38
CMD-0480-30-JD03	0.480	6.00	3	38
CMD-0490-30-JD03	0.490	6.00	3	38
CMD-0500-30-JD03	0.500	6.00	3	38
CMD-0510-30-JD03	0.510	6.00	3	38
CMD-0520-30-JD03	0.520	6.00	3	38
CMD-0530-30-JD03	0.530	6.00	3	38
CMD-0540-30-JD03	0.540	6.00	3	38
CMD-0550-30-JD03	0.550	6.00	3	38
CMD-0560-30-JD03	0.560	6.00	3	38
CMD-0570-30-JD03	0.570	6.00	3	38
CMD-0580-30-JD03	0.580	6.00	3	38
CMD-0590-30-JD03	0.590	6.00	3	38
CMD-0600-30-JD03	0.600	7.00	3	38
CMD-0610-30-JD03	0.610	7.00	3	38
CMD-0620-30-JD03	0.620	7.00	3	38
CMD-0630-30-JD03	0.630	7.00	3	38
CMD-0640-30-JD03	0.640	7.00	3	38
CMD-0650-30-JD03	0.650	7.00	3	38
CMD-0660-30-JD03	0.660	7.00	3	38
CMD-0670-30-JD03	0.670	7.00	3	38
CMD-0680-30-JD03	0.680	7.00	3	38
CMD-0690-30-JD03	0.690	7.00	3	38
CMD-0700-30-JD03	0.700	8.00	3	38
CMD-0710-30-JD03	0.710	8.00	3	38
CMD-0720-30-JD03	0.720	8.00	3	38
CMD-0730-30-JD03	0.730	8.00	3	38
CMD-0740-30-JD03	0.740	8.00	3	38
CMD-0750-30-JD03	0.750	8.00	3	38
CMD-0760-30-JD03	0.760	8.00	3	38
CMD-0770-30-JD03	0.770	8.00	3	38
CMD-0780-30-JD03	0.780	8.00	3	38
CMD-0790-30-JD03	0.790	8.00	3	38
CMD-0800-30-JD03	0.800	8.00	3	38
CMD-0810-30-JD03	0.810	8.00	3	38
CMD-0820-30-JD03	0.820	8.00	3	38
CMD-0830-30-JD03	0.830	8.00	3	38
CMD-0840-30-JD03	0.840	8.00	3	38
CMD-0850-30-JD03	0.850	8.00	3	38
CMD-0860-30-JD03	0.860	8.00	3	38
CMD-0870-30-JD03	0.870	8.00	3	38
CMD-0880-30-JD03	0.880	8.00	3	38
CMD-0890-30-JD03	0.890	8.00	3	38
CMD-0900-30-JD03	0.900	8.00	3	38
CMD-0910-30-JD03	0.910	8.00	3	38
CMD-0920-30-JD03	0.920	8.00	3	38
CMD-0930-30-JD03	0.930	8.00	3	38

硬质合金钻头 Carbide Drill

CMD | 硬质合金软料专用微钻-JD03
Carbide Micro Drill For Soft Materials-JD03

型号 Specification	DC	LCF	DCON	OAL
CMD-0940-30-JD03	0.940	8.00	3	38
CMD-0950-30-JD03	0.950	8.00	3	38
CMD-0960-30-JD03	0.960	8.00	3	38
CMD-0970-30-JD03	0.970	8.00	3	38
CMD-0980-30-JD03	0.980	8.00	3	38
CMD-0990-30-JD03	0.990	8.00	3	38
CMD-1000-30-JD03	1.000	10.00	3	38
CMD-1010-30-JD03	1.010	10.00	3	38
CMD-1020-30-JD03	1.020	10.00	3	38
CMD-1030-30-JD03	1.030	10.00	3	38
CMD-1040-30-JD03	1.040	10.00	3	38
CMD-1050-30-JD03	1.050	10.00	3	38
CMD-1060-30-JD03	1.060	10.00	3	38
CMD-1070-30-JD03	1.070	10.00	3	38
CMD-1080-30-JD03	1.080	10.00	3	38
CMD-1090-30-JD03	1.090	10.00	3	38
CMD-1100-30-JD03	1.100	10.00	3	38
CMD-1110-30-JD03	1.110	10.00	3	38
CMD-1120-30-JD03	1.120	10.00	3	38
CMD-1130-30-JD03	1.130	10.00	3	38
CMD-1140-30-JD03	1.140	10.00	3	38
CMD-1150-30-JD03	1.150	10.00	3	38
CMD-1160-30-JD03	1.160	10.00	3	38
CMD-1170-30-JD03	1.170	10.00	3	38
CMD-1180-30-JD03	1.180	10.00	3	38
CMD-1190-30-JD03	1.190	10.00	3	38
CMD-1200-30-JD03	1.200	10.00	3	38
CMD-1210-30-JD03	1.210	10.00	3	38
CMD-1220-30-JD03	1.220	10.00	3	38
CMD-1230-30-JD03	1.230	10.00	3	38
CMD-1240-30-JD03	1.240	10.00	3	38
CMD-1250-30-JD03	1.250	10.00	3	38
CMD-1260-30-JD03	1.260	10.00	3	38
CMD-1270-30-JD03	1.270	10.00	3	38
CMD-1280-30-JD03	1.280	10.00	3	38
CMD-1290-30-JD03	1.290	10.00	3	38
CMD-1300-30-JD03	1.300	10.00	3	38
CMD-1310-30-JD03	1.310	10.00	3	38
CMD-1320-30-JD03	1.320	10.00	3	38
CMD-1330-30-JD03	1.330	10.00	3	38
CMD-1340-30-JD03	1.340	10.00	3	38
CMD-1350-30-JD03	1.350	10.00	3	38
CMD-1360-30-JD03	1.360	10.00	3	38
CMD-1370-30-JD03	1.370	10.00	3	38
CMD-1380-30-JD03	1.380	10.00	3	38
CMD-1390-30-JD03	1.390	10.00	3	38
CMD-1400-30-JD03	1.400	10.00	3	38
CMD-1410-30-JD03	1.410	10.00	3	38
CMD-1420-30-JD03	1.420	10.00	3	38
CMD-1430-30-JD03	1.430	10.00	3	38
CMD-1440-30-JD03	1.440	10.00	3	38
CMD-1450-30-JD03	1.450	10.00	3	38
CMD-1460-30-JD03	1.460	10.00	3	38
CMD-1470-30-JD03	1.470	10.00	3	38
CMD-1480-30-JD03	1.480	10.00	3	38
CMD-1490-30-JD03	1.490	10.00	3	38

型号 Specification	DC	LCF	DCON	OAL
CMD-1500-30-JD03	1.500	10.00	3	38
CMD-1510-30-JD03	1.510	10.00	3	38
CMD-1520-30-JD03	1.520	10.00	3	38
CMD-1530-30-JD03	1.530	10.00	3	38
CMD-1540-30-JD03	1.540	10.00	3	38
CMD-1550-30-JD03	1.550	10.00	3	38
CMD-1560-30-JD03	1.560	10.00	3	38
CMD-1570-30-JD03	1.570	10.00	3	38
CMD-1580-30-JD03	1.580	10.00	3	38
CMD-1590-30-JD03	1.590	10.00	3	38
CMD-1600-30-JD03	1.600	12.00	3	38
CMD-1610-30-JD03	1.610	12.00	3	38
CMD-1620-30-JD03	1.620	12.00	3	38
CMD-1630-30-JD03	1.630	12.00	3	38
CMD-1640-30-JD03	1.640	12.00	3	38
CMD-1650-30-JD03	1.650	12.00	3	38
CMD-1660-30-JD03	1.660	12.00	3	38
CMD-1670-30-JD03	1.670	12.00	3	38
CMD-1680-30-JD03	1.680	12.00	3	38
CMD-1690-30-JD03	1.690	12.00	3	38
CMD-1700-30-JD03	1.700	12.00	3	38
CMD-1710-30-JD03	1.710	12.00	3	38
CMD-1720-30-JD03	1.720	12.00	3	38
CMD-1730-30-JD03	1.730	12.00	3	38
CMD-1740-30-JD03	1.740	12.00	3	38
CMD-1750-30-JD03	1.750	12.00	3	38
CMD-1760-30-JD03	1.760	12.00	3	38
CMD-1770-30-JD03	1.770	12.00	3	38
CMD-1780-30-JD03	1.780	12.00	3	38
CMD-1790-30-JD03	1.790	12.00	3	38
CMD-1800-30-JD03	1.800	12.00	3	38
CMD-1810-30-JD03	1.810	12.00	3	38
CMD-1820-30-JD03	1.820	12.00	3	38
CMD-1830-30-JD03	1.830	12.00	3	38
CMD-1840-30-JD03	1.840	12.00	3	38
CMD-1850-30-JD03	1.850	12.00	3	38
CMD-1860-30-JD03	1.860	12.00	3	38
CMD-1870-30-JD03	1.870	12.00	3	38
CMD-1880-30-JD03	1.880	12.00	3	38
CMD-1890-30-JD03	1.890	12.00	3	38
CMD-1900-30-JD03	1.900	12.00	3	38
CMD-1910-30-JD03	1.910	12.00	3	38
CMD-1920-30-JD03	1.920	12.00	3	38
CMD-1930-30-JD03	1.930	12.00	3	38
CMD-1940-30-JD03	1.940	12.00	3	38
CMD-1950-30-JD03	1.950	12.00	3	38
CMD-1960-30-JD03	1.960	12.00	3	38
CMD-1970-30-JD03	1.970	12.00	3	38
CMD-1980-30-JD03	1.980	12.00	3	38
CMD-1990-30-JD03	1.990	12.00	3	38
CMD-2000-30-JD03	2.000	12.00	3	38
CMD-2010-30-JD03	2.010	12.00	3	38
CMD-2020-30-JD03	2.020	12.00	3	38
CMD-2030-30-JD03	2.030	12.00	3	38
CMD-2040-30-JD03	2.040	12.00	3	38
CMD-2050-30-JD03	2.050	12.00	3	38

硬质合金钻头 Carbide Drill

CMD | 硬质合金软料专用微钻-JD03
Carbide Micro Drill For Soft Materials-JD03

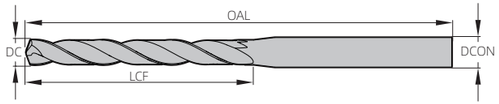
型号 Specification	DC	LCF	DCON	OAL
CMD-2060-30-JD03	2.060	12.00	3	38
CMD-2070-30-JD03	2.070	12.00	3	38
CMD-2080-30-JD03	2.080	12.00	3	38
CMD-2090-30-JD03	2.090	12.00	3	38
CMD-2100-30-JD03	2.100	12.00	3	38
CMD-2110-30-JD03	2.110	12.00	3	38
CMD-2120-30-JD03	2.120	12.00	3	38
CMD-2130-30-JD03	2.130	12.00	3	38
CMD-2140-30-JD03	2.140	12.00	3	38
CMD-2150-30-JD03	2.150	12.00	3	38
CMD-2160-30-JD03	2.160	12.00	3	38
CMD-2170-30-JD03	2.170	12.00	3	38
CMD-2180-30-JD03	2.180	12.00	3	38
CMD-2190-30-JD03	2.190	12.00	3	38
CMD-2200-30-JD03	2.200	12.00	3	38
CMD-2210-30-JD03	2.210	12.00	3	38
CMD-2220-30-JD03	2.220	12.00	3	38
CMD-2230-30-JD03	2.230	12.00	3	38
CMD-2240-30-JD03	2.240	12.00	3	38
CMD-2250-30-JD03	2.250	12.00	3	38
CMD-2260-30-JD03	2.260	12.00	3	38
CMD-2270-30-JD03	2.270	12.00	3	38
CMD-2280-30-JD03	2.280	12.00	3	38
CMD-2290-30-JD03	2.290	12.00	3	38
CMD-2300-30-JD03	2.300	12.00	3	38
CMD-2310-30-JD03	2.310	12.00	3	38
CMD-2320-30-JD03	2.320	12.00	3	38
CMD-2330-30-JD03	2.330	12.00	3	38
CMD-2340-30-JD03	2.340	12.00	3	38
CMD-2350-30-JD03	2.350	12.00	3	38
CMD-2360-30-JD03	2.360	12.00	3	38
CMD-2370-30-JD03	2.370	12.00	3	38
CMD-2380-30-JD03	2.380	12.00	3	38
CMD-2390-30-JD03	2.390	12.00	3	38
CMD-2400-30-JD03	2.400	12.00	3	38
CMD-2410-30-JD03	2.410	12.00	3	38
CMD-2420-30-JD03	2.420	12.00	3	38
CMD-2430-30-JD03	2.430	12.00	3	38
CMD-2440-30-JD03	2.440	12.00	3	38
CMD-2450-30-JD03	2.450	12.00	3	38
CMD-2460-30-JD03	2.460	12.00	3	38
CMD-2470-30-JD03	2.470	12.00	3	38
CMD-2480-30-JD03	2.480	12.00	3	38
CMD-2490-30-JD03	2.490	12.00	3	38
CMD-2500-30-JD03	2.500	12.00	3	38
CMD-2510-30-JD03	2.510	12.00	3	38
CMD-2520-30-JD03	2.520	12.00	3	38
CMD-2530-30-JD03	2.530	12.00	3	38

型号 Specification	DC	LCF	DCON	OAL
CMD-2540-30-JD03	2.540	12.00	3	38
CMD-2550-30-JD03	2.550	12.00	3	38
CMD-2560-30-JD03	2.560	12.00	3	38
CMD-2570-30-JD03	2.570	12.00	3	38
CMD-2580-30-JD03	2.580	12.00	3	38
CMD-2590-30-JD03	2.590	12.00	3	38
CMD-2600-30-JD03	2.600	12.00	3	38
CMD-2610-30-JD03	2.610	12.00	3	38
CMD-2620-30-JD03	2.620	12.00	3	38
CMD-2630-30-JD03	2.630	12.00	3	38
CMD-2640-30-JD03	2.640	12.00	3	38
CMD-2650-30-JD03	2.650	12.00	3	38
CMD-2660-30-JD03	2.660	12.00	3	38
CMD-2670-30-JD03	2.670	12.00	3	38
CMD-2680-30-JD03	2.680	12.00	3	38
CMD-2690-30-JD03	2.690	12.00	3	38
CMD-2700-30-JD03	2.700	12.00	3	38
CMD-2710-30-JD03	2.710	12.00	3	38
CMD-2720-30-JD03	2.720	12.00	3	38
CMD-2730-30-JD03	2.730	12.00	3	38
CMD-2740-30-JD03	2.740	12.00	3	38
CMD-2750-30-JD03	2.750	12.00	3	38
CMD-2760-30-JD03	2.760	12.00	3	38
CMD-2770-30-JD03	2.770	12.00	3	38
CMD-2780-30-JD03	2.780	12.00	3	38
CMD-2790-30-JD03	2.790	12.00	3	38
CMD-2800-30-JD03	2.800	12.00	3	38
CMD-2810-30-JD03	2.810	12.00	3	38
CMD-2820-30-JD03	2.820	12.00	3	38
CMD-2830-30-JD03	2.830	12.00	3	38
CMD-2840-30-JD03	2.840	12.00	3	38
CMD-2850-30-JD03	2.850	12.00	3	38
CMD-2860-30-JD03	2.860	12.00	3	38
CMD-2870-30-JD03	2.870	12.00	3	38
CMD-2880-30-JD03	2.880	12.00	3	38
CMD-2890-30-JD03	2.890	12.00	3	38
CMD-2900-30-JD03	2.900	12.00	3	38
CMD-2910-30-JD03	2.910	12.00	3	38
CMD-2920-30-JD03	2.920	12.00	3	38
CMD-2930-30-JD03	2.930	12.00	3	38
CMD-2940-30-JD03	2.940	12.00	3	38
CMD-2950-30-JD03	2.950	12.00	3	38
CMD-2960-30-JD03	2.960	12.00	3	38
CMD-2970-30-JD03	2.970	12.00	3	38
CMD-2980-30-JD03	2.980	12.00	3	38
CMD-2990-30-JD03	2.990	12.00	3	38
CMD-3000-30-JD03	3.000	12.00	3	38

硬质合金钻头 Carbide Drill

CMDL | 硬质合金软料专用加长微钻-JD04
Carbide Micro Lengthening Drill For Soft Materials-JD04







1.切削参数请参考微钻加工参数参考表AB017
2.单位：mm

1. Please Refer To Reference Table Of Micro-drilling Parameters AB017
2.Unit:mm

型号 Specification	DC	LCF	DCON	OAL
CMDL-0040-30-JD04	0.040	0.60	3	38
CMDL-0045-30-JD04	0.045	0.70	3	38
CMDL-0050-30-JD04	0.050	0.90	3	38
CMDL-0055-30-JD04	0.055	0.90	3	38
CMDL-0060-30-JD04	0.060	0.90	3	38
CMDL-0065-30-JD04	0.065	0.90	3	38
CMDL-0070-30-JD04	0.070	1.20	3	38
CMDL-0075-30-JD04	0.075	1.20	3	38
CMDL-0080-30-JD04	0.080	1.20	3	38
CMDL-0085-30-JD04	0.085	1.20	3	38
CMDL-0090-30-JD04	0.090	1.20	3	38
CMDL-0095-30-JD04	0.095	1.20	3	38
CMDL-0100-30-JD04	0.100	3.00	3	38
CMDL-0110-30-JD04	0.110	3.00	3	38
CMDL-0120-30-JD04	0.120	4.00	3	38
CMDL-0130-30-JD04	0.130	4.00	3	38
CMDL-0140-30-JD04	0.140	4.00	3	38
CMDL-0150-30-JD04	0.150	5.00	3	38
CMDL-0160-30-JD04	0.160	5.00	3	38
CMDL-0170-30-JD04	0.170	5.00	3	38
CMDL-0180-30-JD04	0.180	5.00	3	38
CMDL-0190-30-JD04	0.190	5.00	3	38
CMDL-0200-30-JD04	0.200	5.00	3	38
CMDL-0210-30-JD04	0.210	5.00	3	38
CMDL-0220-30-JD04	0.220	5.00	3	38
CMDL-0230-30-JD04	0.230	5.00	3	38
CMDL-0240-30-JD04	0.240	5.00	3	38
CMDL-0250-30-JD04	0.250	5.00	3	38
CMDL-0260-30-JD04	0.260	6.00	3	38
CMDL-0270-30-JD04	0.270	6.00	3	38
CMDL-0280-30-JD04	0.280	6.00	3	38
CMDL-0290-30-JD04	0.290	6.00	3	38
CMDL-0300-30-JD04	0.300	8.00	3	38
CMDL-0310-30-JD04	0.310	8.00	3	38
CMDL-0320-30-JD04	0.320	8.00	3	38
CMDL-0330-30-JD04	0.330	8.00	3	38
CMDL-0340-30-JD04	0.340	8.00	3	38
CMDL-0350-30-JD04	0.350	8.00	3	38
CMDL-0360-30-JD04	0.360	8.00	3	38
CMDL-0370-30-JD04	0.370	8.00	3	38
CMDL-0380-30-JD04	0.380	8.00	3	38
CMDL-0390-30-JD04	0.390	8.00	3	38
CMDL-0400-30-JD04	0.400	9.00	3	38
CMDL-0410-30-JD04	0.410	9.00	3	38
CMDL-0420-30-JD04	0.420	9.00	3	38
CMDL-0430-30-JD04	0.430	9.00	3	38
CMDL-0440-30-JD04	0.440	9.00	3	38
CMDL-0450-30-JD04	0.450	9.00	3	38

型号 Specification	DC	LCF	DCON	OAL
CMDL-0460-30-JD04	0.460	9.00	3	38
CMDL-0470-30-JD04	0.470	9.00	3	38
CMDL-0480-30-JD04	0.480	9.00	3	38
CMDL-0490-30-JD04	0.490	9.00	3	38
CMDL-0500-30-JD04	0.500	9.00	3	38
CMDL-0510-30-JD04	0.510	9.00	3	38
CMDL-0520-30-JD04	0.520	9.00	3	38
CMDL-0530-30-JD04	0.530	9.00	3	38
CMDL-0540-30-JD04	0.540	9.00	3	38
CMDL-0550-30-JD04	0.550	9.00	3	38
CMDL-0560-30-JD04	0.560	9.00	3	38
CMDL-0570-30-JD04	0.570	9.00	3	38
CMDL-0580-30-JD04	0.580	9.00	3	38
CMDL-0590-30-JD04	0.590	9.00	3	38
CMDL-0600-30-JD04	0.600	10.00	3	38
CMDL-0610-30-JD04	0.610	10.00	3	38
CMDL-0620-30-JD04	0.620	10.00	3	38
CMDL-0630-30-JD04	0.630	10.00	3	38
CMDL-0640-30-JD04	0.640	10.00	3	38
CMDL-0650-30-JD04	0.650	10.00	3	38
CMDL-0660-30-JD04	0.660	10.00	3	38
CMDL-0670-30-JD04	0.670	10.00	3	38
CMDL-0680-30-JD04	0.680	10.00	3	38
CMDL-0690-30-JD04	0.690	10.00	3	38
CMDL-0700-30-JD04	0.700	10.00	3	38
CMDL-0710-30-JD04	0.710	10.00	3	38
CMDL-0720-30-JD04	0.720	10.00	3	38
CMDL-0730-30-JD04	0.730	10.00	3	38
CMDL-0740-30-JD04	0.740	10.00	3	38
CMDL-0750-30-JD04	0.750	10.00	3	38
CMDL-0760-30-JD04	0.760	10.00	3	38
CMDL-0770-30-JD04	0.770	10.00	3	38
CMDL-0780-30-JD04	0.780	10.00	3	38
CMDL-0790-30-JD04	0.790	10.00	3	38
CMDL-0800-30-JD04	0.800	10.00	3	38
CMDL-0810-30-JD04	0.810	10.00	3	38
CMDL-0820-30-JD04	0.820	10.00	3	38
CMDL-0830-30-JD04	0.830	10.00	3	38
CMDL-0840-30-JD04	0.840	10.00	3	38
CMDL-0850-30-JD04	0.850	10.00	3	38
CMDL-0860-30-JD04	0.860	10.00	3	38
CMDL-0870-30-JD04	0.870	10.00	3	38
CMDL-0880-30-JD04	0.880	10.00	3	38
CMDL-0890-30-JD04	0.890	10.00	3	38
CMDL-0900-30-JD04	0.900	12.00	3	38
CMDL-0910-30-JD04	0.910	12.00	3	38
CMDL-0920-30-JD04	0.920	12.00	3	38
CMDL-0930-30-JD04	0.930	12.00	3	38

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型号 Specification	DC	LCF	DCON	OAL
CMDL-0940-30-JD04	0.940	12.00	3	38
CMDL-0950-30-JD04	0.950	12.00	3	38
CMDL-0960-30-JD04	0.960	12.00	3	38
CMDL-0970-30-JD04	0.970	12.00	3	38
CMDL-0980-30-JD04	0.980	12.00	3	38
CMDL-0990-30-JD04	0.990	12.00	3	38
CMDL-1000-30-JD04	1.000	15.00	3	38
CMDL-1010-30-JD04	1.010	15.00	3	38
CMDL-1020-30-JD04	1.020	15.00	3	38
CMDL-1030-30-JD04	1.030	15.00	3	38
CMDL-1040-30-JD04	1.040	15.00	3	38
CMDL-1050-30-JD04	1.050	15.00	3	38
CMDL-1060-30-JD04	1.060	15.00	3	38
CMDL-1070-30-JD04	1.070	15.00	3	38
CMDL-1080-30-JD04	1.080	15.00	3	38
CMDL-1090-30-JD04	1.090	15.00	3	38
CMDL-1100-30-JD04	1.100	15.00	3	38
CMDL-1110-30-JD04	1.110	15.00	3	38
CMDL-1120-30-JD04	1.120	15.00	3	38
CMDL-1130-30-JD04	1.130	15.00	3	38
CMDL-1140-30-JD04	1.140	15.00	3	38
CMDL-1150-30-JD04	1.150	15.00	3	38
CMDL-1160-30-JD04	1.160	15.00	3	38
CMDL-1170-30-JD04	1.170	15.00	3	38
CMDL-1180-30-JD04	1.180	15.00	3	38
CMDL-1190-30-JD04	1.190	15.00	3	38
CMDL-1200-30-JD04	1.200	18.00	3	38
CMDL-1210-30-JD04	1.210	18.00	3	38
CMDL-1220-30-JD04	1.220	18.00	3	38
CMDL-1230-30-JD04	1.230	18.00	3	38
CMDL-1240-30-JD04	1.240	18.00	3	38
CMDL-1250-30-JD04	1.250	18.00	3	38
CMDL-1260-30-JD04	1.260	18.00	3	38
CMDL-1270-30-JD04	1.270	18.00	3	38
CMDL-1280-30-JD04	1.280	18.00	3	38
CMDL-1290-30-JD04	1.290	18.00	3	38
CMDL-1300-30-JD04	1.300	18.00	3	38
CMDL-1310-30-JD04	1.310	18.00	3	38
CMDL-1320-30-JD04	1.320	18.00	3	38
CMDL-1330-30-JD04	1.330	18.00	3	38
CMDL-1340-30-JD04	1.340	18.00	3	38
CMDL-1350-30-JD04	1.350	18.00	3	38
CMDL-1360-30-JD04	1.360	18.00	3	38
CMDL-1370-30-JD04	1.370	18.00	3	38
CMDL-1380-30-JD04	1.380	18.00	3	38
CMDL-1390-30-JD04	1.390	18.00	3	38
CMDL-1400-30-JD04	1.400	18.00	3	38
CMDL-1410-30-JD04	1.410	18.00	3	38
CMDL-1420-30-JD04	1.420	18.00	3	38
CMDL-1430-30-JD04	1.430	18.00	3	38
CMDL-1440-30-JD04	1.440	18.00	3	38
CMDL-1450-30-JD04	1.450	18.00	3	38
CMDL-1460-30-JD04	1.460	18.00	3	38
CMDL-1470-30-JD04	1.470	18.00	3	38
CMDL-1480-30-JD04	1.480	18.00	3	38
CMDL-1490-30-JD04	1.490	18.00	3	38

型号 Specification	DC	LCF	DCON	OAL
CMDL-1500-30-JD04	1.500	20.00	3	50
CMDL-1510-30-JD04	1.510	20.00	3	50
CMDL-1520-30-JD04	1.520	20.00	3	50
CMDL-1530-30-JD04	1.530	20.00	3	50
CMDL-1540-30-JD04	1.540	20.00	3	50
CMDL-1550-30-JD04	1.550	20.00	3	50
CMDL-1560-30-JD04	1.560	20.00	3	50
CMDL-1570-30-JD04	1.570	20.00	3	50
CMDL-1580-30-JD04	1.580	20.00	3	50
CMDL-1590-30-JD04	1.590	20.00	3	50
CMDL-1600-30-JD04	1.600	20.00	3	50
CMDL-1610-30-JD04	1.610	20.00	3	50
CMDL-1620-30-JD04	1.620	20.00	3	50
CMDL-1630-30-JD04	1.630	20.00	3	50
CMDL-1640-30-JD04	1.640	20.00	3	50
CMDL-1650-30-JD04	1.650	20.00	3	50
CMDL-1660-30-JD04	1.660	20.00	3	50
CMDL-1670-30-JD04	1.670	20.00	3	50
CMDL-1680-30-JD04	1.680	20.00	3	50
CMDL-1690-30-JD04	1.690	20.00	3	50
CMDL-1700-30-JD04	1.700	20.00	3	50
CMDL-1710-30-JD04	1.710	20.00	3	50
CMDL-1720-30-JD04	1.720	20.00	3	50
CMDL-1730-30-JD04	1.730	20.00	3	50
CMDL-1740-30-JD04	1.740	20.00	3	50
CMDL-1750-30-JD04	1.750	20.00	3	50
CMDL-1760-30-JD04	1.760	20.00	3	50
CMDL-1770-30-JD04	1.770	20.00	3	50
CMDL-1780-30-JD04	1.780	20.00	3	50
CMDL-1790-30-JD04	1.790	20.00	3	50
CMDL-1800-30-JD04	1.800	20.00	3	50
CMDL-1810-30-JD04	1.810	20.00	3	50
CMDL-1820-30-JD04	1.820	20.00	3	50
CMDL-1830-30-JD04	1.830	20.00	3	50
CMDL-1840-30-JD04	1.840	20.00	3	50
CMDL-1850-30-JD04	1.850	20.00	3	50
CMDL-1860-30-JD04	1.860	20.00	3	50
CMDL-1870-30-JD04	1.870	20.00	3	50
CMDL-1880-30-JD04	1.880	20.00	3	50
CMDL-1890-30-JD04	1.890	20.00	3	50
CMDL-1900-30-JD04	1.900	20.00	3	50
CMDL-1910-30-JD04	1.910	20.00	3	50
CMDL-1920-30-JD04	1.920	20.00	3	50
CMDL-1930-30-JD04	1.930	20.00	3	50
CMDL-1940-30-JD04	1.940	20.00	3	50
CMDL-1950-30-JD04	1.950	20.00	3	50
CMDL-1960-30-JD04	1.960	20.00	3	50
CMDL-1970-30-JD04	1.970	20.00	3	50
CMDL-1980-30-JD04	1.980	20.00	3	50
CMDL-1990-30-JD04	1.990	20.00	3	50
CMDL-2000-30-JD04	2.000	20.00	3	60
CMDL-2010-30-JD04	2.010	25.00	3	60
CMDL-2020-30-JD04	2.020	25.00	3	60
CMDL-2030-30-JD04	2.030	25.00	3	60
CMDL-2040-30-JD04	2.040	25.00	3	60
CMDL-2050-30-JD04	2.050	25.00	3	60

硬质合金钻头 Carbide Drill

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整体圆柄刀具
Solid Round Tools

型号 Specification	DC	LCF	DCON	OAL
CMDL-2060-30-JD04	2.060	25.00	3	60
CMDL-2070-30-JD04	2.070	25.00	3	60
CMDL-2080-30-JD04	2.080	25.00	3	60
CMDL-2090-30-JD04	2.090	25.00	3	60
CMDL-2100-30-JD04	2.100	25.00	3	60
CMDL-2110-30-JD04	2.110	25.00	3	60
CMDL-2120-30-JD04	2.120	25.00	3	60
CMDL-2130-30-JD04	2.130	25.00	3	60
CMDL-2140-30-JD04	2.140	25.00	3	60
CMDL-2150-30-JD04	2.150	25.00	3	60
CMDL-2160-30-JD04	2.160	25.00	3	60
CMDL-2170-30-JD04	2.170	25.00	3	60
CMDL-2180-30-JD04	2.180	25.00	3	60
CMDL-2190-30-JD04	2.190	25.00	3	60
CMDL-2200-30-JD04	2.200	25.00	3	60
CMDL-2210-30-JD04	2.210	25.00	3	60
CMDL-2220-30-JD04	2.220	25.00	3	60
CMDL-2230-30-JD04	2.230	25.00	3	60
CMDL-2240-30-JD04	2.240	25.00	3	60
CMDL-2250-30-JD04	2.250	25.00	3	60
CMDL-2260-30-JD04	2.260	25.00	3	60
CMDL-2270-30-JD04	2.270	25.00	3	60
CMDL-2280-30-JD04	2.280	25.00	3	60
CMDL-2290-30-JD04	2.290	25.00	3	60
CMDL-2300-30-JD04	2.300	25.00	3	60
CMDL-2310-30-JD04	2.310	25.00	3	60
CMDL-2320-30-JD04	2.320	25.00	3	60
CMDL-2330-30-JD04	2.330	25.00	3	60
CMDL-2340-30-JD04	2.340	25.00	3	60
CMDL-2350-30-JD04	2.350	25.00	3	60
CMDL-2360-30-JD04	2.360	25.00	3	60
CMDL-2370-30-JD04	2.370	25.00	3	60
CMDL-2380-30-JD04	2.380	25.00	3	60
CMDL-2390-30-JD04	2.390	25.00	3	60
CMDL-2400-30-JD04	2.400	25.00	3	60
CMDL-2410-30-JD04	2.410	25.00	3	60
CMDL-2420-30-JD04	2.420	25.00	3	60
CMDL-2430-30-JD04	2.430	25.00	3	60
CMDL-2440-30-JD04	2.440	25.00	3	60
CMDL-2450-30-JD04	2.450	25.00	3	60
CMDL-2460-30-JD04	2.460	25.00	3	60
CMDL-2470-30-JD04	2.470	25.00	3	60
CMDL-2480-30-JD04	2.480	25.00	3	60
CMDL-2490-30-JD04	2.490	25.00	3	60
CMDL-2500-30-JD04	2.500	25.00	3	60
CMDL-2510-30-JD04	2.510	25.00	3	60
CMDL-2520-30-JD04	2.520	25.00	3	60
CMDL-2530-30-JD04	2.530	25.00	3	60

型号 Specification	DC	LCF	DCON	OAL
CMDL-2540-30-JD04	2.540	25.00	3	60
CMDL-2550-30-JD04	2.550	25.00	3	60
CMDL-2560-30-JD04	2.560	25.00	3	60
CMDL-2570-30-JD04	2.570	25.00	3	60
CMDL-2580-30-JD04	2.580	25.00	3	60
CMDL-2590-30-JD04	2.590	25.00	3	60
CMDL-2600-30-JD04	2.600	25.00	3	60
CMDL-2610-30-JD04	2.610	25.00	3	60
CMDL-2620-30-JD04	2.620	25.00	3	60
CMDL-2630-30-JD04	2.630	25.00	3	60
CMDL-2640-30-JD04	2.640	25.00	3	60
CMDL-2650-30-JD04	2.650	25.00	3	60
CMDL-2660-30-JD04	2.660	25.00	3	60
CMDL-2670-30-JD04	2.670	25.00	3	60
CMDL-2680-30-JD04	2.680	25.00	3	60
CMDL-2690-30-JD04	2.690	25.00	3	60
CMDL-2700-30-JD04	2.700	25.00	3	60
CMDL-2710-30-JD04	2.710	25.00	3	60
CMDL-2720-30-JD04	2.720	25.00	3	60
CMDL-2730-30-JD04	2.730	25.00	3	60
CMDL-2740-30-JD04	2.740	25.00	3	60
CMDL-2750-30-JD04	2.750	25.00	3	60
CMDL-2760-30-JD04	2.760	25.00	3	60
CMDL--2770-30-JD04	2.770	25.00	3	60
CMDL-2780-30-JD04	2.780	25.00	3	60
CMDL-2790-30-JD04	2.790	25.00	3	60
CMDL-2800-30-JD04	2.800	25.00	3	60
CMDL-2810-30-JD04	2.810	25.00	3	60
CMDL-2820-30-JD04	2.820	25.00	3	60
CMDL-2830-30-JD04	2.830	25.00	3	60
CMDL-2840-30-JD04	2.840	25.00	3	60
CMDL-2850-30-JD04	2.850	25.00	3	60
CMDL-2860-30-JD04	2.860	25.00	3	60
CMDL-2870-30-JD04	2.870	25.00	3	60
CMDL-2880-30-JD04	2.880	25.00	3	60
CMDL-2890-30-JD04	2.890	25.00	3	60
CMDL-2900-30-JD04	2.900	25.00	3	60
CMDL-2910-30-JD04	2.910	25.00	3	60
CMDL-2920-30-JD04	2.920	25.00	3	60
CMDL-2930-30-JD04	2.930	25.00	3	60
CMDL-2940-30-JD04	2.940	25.00	3	60
CMDL-2950-30-JD04	2.950	25.00	3	60
CMDL-2960-30-JD04	2.960	25.00	3	60
CMDL-2970-30-JD04	2.970	25.00	3	60
CMDL-2980-30-JD04	2.980	25.00	3	60
CMDL-2990-30-JD04	2.990	25.00	3	60
CMDL-3000-30-JD04	3.000	25.00	3	60

微钻加工参数参考表 Reference Table Of Micro-drilling Parameters

JD01-JD02

被加工材料 Work Materials	碳素结构钢 Carbon Structural Steel		合金钢 Copper Alloy		合金钢调质钢 Hardened Steel NAK SKD(HRC 30-38)		铸铁 Cast iron		奥氏体不锈钢 Austenitic stainless steel		马氏体不锈钢 Martensitic stainless steel	
直径 mm	钻头转速 r/min	进给 mm/min	钻头转速 r/min	进给 mm/min	钻头转速 r/min	进给 mm/min	钻头转速 r/min	进给 mm/min	钻头转速 r/min	进给 mm/min	钻头转速 r/min	进给 mm/min
Φ0.03-0.09	10000-20000	10-30	10000-20000	10-30	10000-20000	10-20	-	-	10000-15000	10-22	7000-12000	3-5
Φ0.10-0.29	20000-25000	50-200	15000-20000	30-105	13000-17000	17-50	-	-	7500-15000	7-10	6400-7000	5-8
Φ0.30-0.49	18000-20000	200-360	10000-15000	105-150	10000-13000	40-50	12500-14500	168-310	6500-10000	20-80	5700-6400	6.5-20
Φ0.50-0.99	15000-18000	360-600	9500-15000	150-190	7000-10000	50-70	11000-12500	144-600	6000-8000	80-120	5000-5700	20-50
Φ1.00-1.99	9500-15000	450-570	6000-9500	190-300	4000-7000	70-120	8000-11000	770-1600	4000-6000	120-160	2400-5000	50-70
Φ2.00-3.00	6300-9500	630-660	4800-6500	300-380	3000-4000	80-120	5500-7600	530-1100	3700-4000	120-180	2000-2400	70-80

被加工材料 Work Materials	高温合金 17-4PH		可伐合金Kovar (FE-NI-CO合金)		钛合金 Titan Alloy Ti-6Al-4V							
直径 mm	钻头转速 r/min	进给 mm/min	钻头转速 r/min	进给 mm/min	钻头转速 r/min	进给 mm/min						
Φ0.03-0.09	4300-9000	3-5	9500-13000	3-5	7400-12000	3-5						
Φ0.10-0.29	3900-4300	2-4	8500-9500	5-13	6600-7400	4-7						
Φ0.30-0.49	3900-4900	4-15	7600-8500	13-30	5900-6600	7-17						
Φ0.50-0.99	3000-4900	15-30	7000-7600	30-70	5000-5200	50-60						
Φ1.00-1.99	1500-3000	30-45	3200-7000	70-160	2500-5000	60-75						
Φ2.00-3.00	1200-1500	45-50	2700-3200	160-190	2000-2500	75-80						

JD03-JD04

被加工材料 Work Materials	铝合金 Aluminum Alloys		铜合金 Copper Alloys		工程塑料 Engineering Plastic	
直径 mm	钻头转速 r/min	进给 mm/min	钻头转速 r/min	进给 mm/min	钻头转速 r/min	进给 mm/min
Φ0.03-0.09	4300-9000	3-5	9500-13000	3-5	7400-12000	3-5
Φ0.10-0.29	3900-4300	2-4	8500-9500	5-13	6600-7400	4-7
Φ0.30-0.49	3900-4900	4-15	7600-8500	13-30	5900-6600	7-17
Φ0.50-0.99	3000-4900	15-30	7000-7600	30-70	5000-5200	50-60
Φ1.00-1.99	1500-3000	30-45	3200-7000	70-160	2500-5000	60-75
Φ2.00-3.00	1200-1500	45-50	2700-3200	160-190	2000-2500	75-80

硬质合金微钻 Carbide Micro Drill



AC

CARBIDE END MILL
整体硬质合金标准立铣刀

Nomenclature
命名规则 AC004-004

Selection Chart
选型基准表 AC005-008

Type-M Flat For High Efficiency
MFU 高效能平刀 AC009-009

Type-M Flat For High Efficiency(Chamfered)
MCU 高效能平刀（带倒角） AC010-010

Type-M R-corner For High Efficiency
MRU 高效能R角刀 AC011-011

Type-M Ball For High Efficiency
MB 高效能球刀 AC012-012

Type-P Flat For Pre-hardened
PFN 预硬料平刀 AC013-013

Type-P R-corner For Pre-hardened
PRN 预硬料R角刀 AC014-015

Type-P Ball For Pre-hardened
PB 预硬料球刀 AC016-016

Type-S Flat For Hardness Material
SFU 难加工材料平刀 AC017-017

Type-S R-corner For Hardness Material
SRU 难加工材料R角刀 AC018-018

Type-S Roughing For Hardness Material
SRM 难加工材料开粗刀 AC019-019

Type-H Flat For High Hardness
HFN 高硬度平刀 AC020-020

Type-H R-corner For High Hardness
HRN 高硬度R角刀 AC021-021

Type-H Ball For High Hardness
HB 高硬度球刀 AC022-022

Type-N Flat For Aluminum Alloy
NFU 铝合金平刀 AC023-023

Type-EP End Mill For General
EPFN 通用性平刀 AC024-025

Type-EP R-corner End Mill For General
EPRN 通用性R角刀 AC026-028

Type-EP Ball End Mill For General
EPB 通用性球刀 AC030-031

Type-CP End Mill For Basic
CPFN 基础型平刀 AC032-033

Type-CP R-corner End Mill For Basic
CPRN 基础型R角刀 AC034-036

Type-CP Ball End Mill For Basic
CPB 基础型球刀 AC037-038

Type-CNFU Flat For Base Aluminum
CNFU 基础铝用平刀 AC039-039

Type-CNB Ball For Base Aluminum
CNB 基础铝用球刀 AC040-040

Type-NFAC Flat For Aluminum Alloy
NFAC铝用平刀 AC041-041

Type-NFAC Flat For Aluminum Alloy(Micro)
NFAC铝用平刀（微径） AC042-042

Type-NFAC Flat For Aluminum Alloy(Long Neck)
NFAC铝用平刀(长颈) AC043-044

Type-NRAC R-corner For Aluminum Alloy
NRAC铝用R角刀 AC045-045

Type-NRAC R-corner For Aluminum Alloy(Small)
NRAC铝用R角刀（微径） AC046-046

Type-NBAC Ball For Aluminum Alloy
NBAC铝用球刀 AC047-047

Type-NBAC Ball For Aluminum Alloy(Micro)
NBAC铝用球刀（微径） AC048-048

Type-NBAC Ball For Aluminum Alloy(Long Neck)
NBAC铝用球刀(长颈) AC049-050

AC

CARBIDE END MILL
整体硬质合金标准立铣刀

Type-NFCH Flat For Graphite
NFCH石墨用平刀 AC051-051

Type-NFCH Flat For Graphite(Micro)
NFCH石墨用平刀（微径） AC052-052

Type-NFCH Flat For Graphite(Long Neck)
NFCH石墨用平刀(长颈) AC053-054

Type-NRCH R-corner For Graphite
NRCH石墨用R角刀 AC055-055

Type-NRCH R-corner For Graphite(Long Neck)
NRCH石墨用R角刀(长颈) AC056-056

Type-NBCH Ball For Graphite
NBCH石墨用球刀 AC057-057

Type-NBCH Ball For Graphite(Micro)
NBCH石墨用球刀（微径） AC058-058

Type-NBCH Ball For Graphite(Long Neck)
NBCH石墨用球刀(长颈) AC059-060

Processing Case Of Endmill
铣刀加工案例 AC061-061

硬质合金铣刀 Carbide End Mill

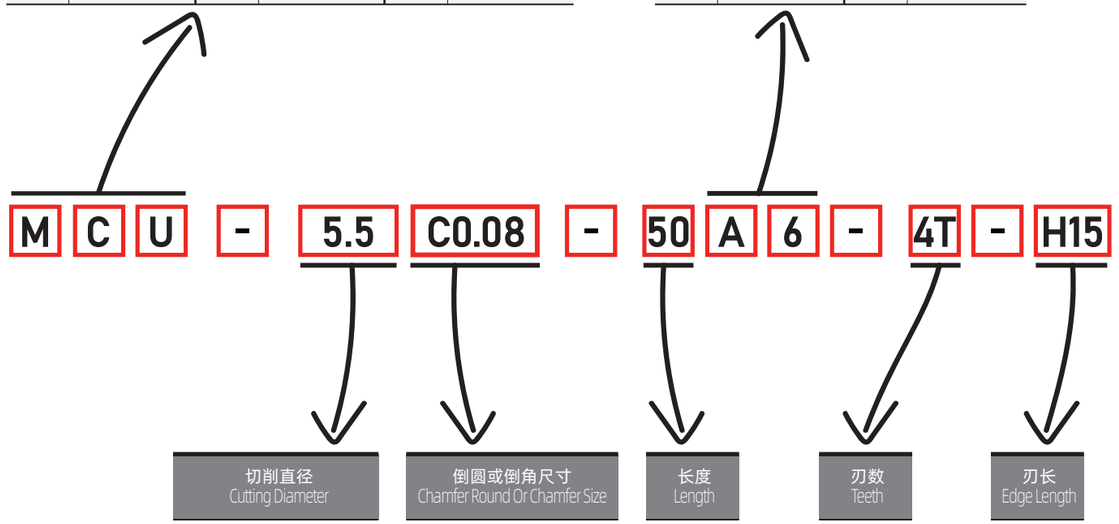
硬质合金铣刀命名规则
Solid Carbide End Mill Nomenclature

类别说明 Category Description

第一位基材类别 first letter base material category		第二位外形造型 second Letter drill point structure		第三位冷却技术/工艺结构 third cooling technology /process structure	
P	钢系 steel	F	平头 flat head	E	外冷 external cooling
K	铸铁系 cast iron	R	圆角头 rounded head	O	内冷 internal cooling
M	不锈钢系 stainless steel	B	球头 ball head	Q	微量冷却 minimum quantity lubrication cooling
S	耐热合金 heat-resisting alloy	X	菱形 diamond	A	精准冷却 accuracy cooling
H	淬火料 quenching material	C	倒角头 chamfered head	C	设计吸能锥度或加强台阶 Design energy-absorbing taper or reinforced step
N	有色金属 non-ferrous metal			CR	芯材加强抗振设计 core material reinforced anti-vibration design
O	复合材料 combined material			N	不等切削刃距设计 unequal cutting edge distance design
				U	不等切削螺旋设计 unequal cutting screw design
				M	分屑切削刃设计 chip cutting edge design

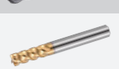
夹持结构说明 Description Of Clamping Structure

第一位标准类别 first letter base material category		第二位公称尺寸 second letter drill point structure	
C	DIN6535-HB		
D	DIN6535-HE		
S	ISO-9766		
A	一般圆柄 heat-resisting alloy		
B	一般侧固 quenching material		



铣刀选型基准表 End Mill Selection Chart

工件材料 Workpiece Meterial

名称 Name	型号 Specification	图样 Pattern	描述 Describe	涂层 Coating	尺寸范围 Size Range	
					Dmin	Dmax
硬质合金铣刀 Carbide End Mill	MFU		高效能平刀 Type-M Flat For High Efficiency	Al	1mm	16mm
	MCU		高效能平刀（带倒角） Type-M Flat For High Efficiency(Chamfered)	Al	1mm	16mm
	MRU		高效能R角刀 Type-M R-corner For High Efficiency	Al	3mm	16mm
	MB		高效能球刀 Type-M Ball For High Efficiency	Al	1mm	12mm
	PFN		预硬料平刀 Type-P Flat For Pre-hardened	Ti	3mm	20mm
	PRN		预硬料R角刀 Type-P R-corner For Pre-hardened	Ti	3mm	20mm
	PB		预硬料球刀 Type-P Ball For Pre-hardened	Ti	3mm	20mm
	SFU		难加工材料平刀 Type-S Flat For Hardness Material	Ti	3mm	20mm
	SRU		难加工材料R角刀 Type-S R-corner For Hardness Material	Ti	3mm	20mm
	SRM		难加工材料开粗刀 Type-S Roughing For Hardness Material	Ti	3mm	20mm
	HFN		高硬度平刀 Type-H Flat For High Hardness	Al	3mm	20mm
	HRN		高硬度R角刀 Type-H R-corner For High Hardness	Al	3mm	20mm
	HB		高硬度球刀 Type-H Ball For High Hardness	Al	3mm	20mm
	NFU		铝合金平刀 Type-N Flat For Aluminum Alloy	-	3mm	20mm
	EPFN		通用型平刀 Type-EP End Mill For General	Al	1mm	20mm
	EPRN		通用型R角刀 Type-EP R-corner End Mill For General	Al	1mm	20mm
	EPB		通用型球刀 Type-EP Ball End Mill For General	Al	1mm	20mm
	CPFN		基础型平刀 Type-CP End Mill For Basic	Ti	1mm	20mm
	CPRN		基础型R角刀 Type-CP R-corner End Mill For Basic	Ti	1mm	20mm
	CPB		基础型平刀 Type-CP Ball End Mill For Basic	Ti	1mm	20mm
	CNFU		基础铝用平刀 Type-CNFU Flat For Aluminum Alloy Basic	-	1mm	20mm
	CNB		基础铝用球刀 Type-CNB Ball For Aluminum Alloy Basic	-	1mm	20mm

铣刀选型基准表 End Mill Selection Chart

工件材料 Workpiece Meterial

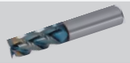
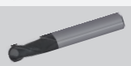
碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium alloy	铸铁 Cast iron	不锈钢 Stainless steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy	石墨 Graphite
C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%	
■	■	■	◆	◆	◆						■		◆	◆	
■	■	■	◆	◆	◆						■		◆	◆	
■	■	■	■	■	■	◆					■	◆	◆	◆	
■	■	■	■	■	■	◆					■	◆	◆	◆	
◆	◆	◆	■	■	■	■	◆								
◆	◆	◆	■	■	■	■	◆								
■	■	■	◆	◆						◆	◆				
■	■	■	◆	◆	◆						■		■	■	
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					◆	■	■	■							
					◆	■	■	■							
					◆	■	■	■							
									■			◆			
■	■	■	■	■	■	◆	□								
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									■			◆			
									■			◆			

适用：■最佳 ◆适用 □能用　　Suit: ■Excellent ◆Good □OK

整体圆柄刀具 Solid Round Tools

铣刀选型基准表 End Mill Selection Chart

工件材料 Workpiece Meterial

名称 Name	型号 Specification	图样 Pattern	描述 Describe	涂层 Coating	尺寸范围 Size Range	
					Dmin	Dmax
硬质合金铣刀 Carbide End Mill	NFAC		NFAC铝用平刀 Type-NFAC Flat For Aluminum Alloy	Al	1mm	16mm
	NRAC		NRAC铝用R角刀 Type-NRAC R-corner For Aluminum Alloy	Al	1mm	16mm
	NBAC		NBAC铝用球刀 Type-NBAC Ball For Aluminum Alloy	Al	3mm	16mm
	NFCH		NFCH石墨用平刀 Type-NFCH Flat For Graphite	Al	1mm	12mm
	NRCH		NRCH石墨用R角刀 Type-NRCH R-corner For Graphite	Ti	3mm	20mm
	NBCH		NBCH石墨用球刀 Type-NBCH Ball For Graphite	Ti	3mm	20mm

铣刀选型基准表 End Mill Selection Chart

工件材料 Workpiece Meterial

碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium alloy	铸铁 Cast iron	不锈钢 Stainless steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy	石墨 Graphite
C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%	
									■						
									■						
									■						
									■			■			■
									■			■			■
									■			■			■

适用：■最佳 ◆适用 □能用

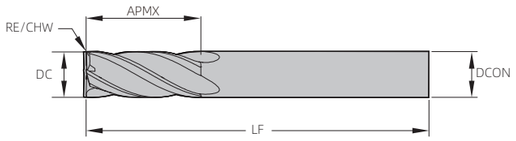
Suit: ■Excellent ◆Good □OK

硬质合金铣刀 Carbide End Mill

MFU 高效能平刀
Type-M Flat For High Efficiency

UP3225





1.单位：mm　　1.Unit：mm

■不等导程切削刃，出色的抗震性能，氮化铬铝涂层（AlCrN），有更好的摩擦系数，高效加工，高速加工，尤为适合加工铬钼类合金。
■Unequal lead cutting edges, excellent seismic performance, chromium aluminum nitride coating (AlCrN), better friction coefficient, High-efficiency machining, high-speed machining, especially suitable for processing chromium molybdenum alloys.

Al　HA h6　39/41°　90°

型号 Specification	DC	DCON	LF	APMX	ZEFP	RE/CHW
MFU-1-50A4-4T-H3	1	4	50	3	4	-
MFU-1.5-50A4-4T-H5	1.5	4	50	5	4	-
MFU-2-50A4-4T-H6	2	4	50	6	4	-
MFU-2.5-50A4-4T-H8	2.5	4	50	8	4	-
MFU-3-50A4-4T-H9	3	4	50	9	4	-
MFU-3.5-50A4-4T-H9	3.5	4	50	9	4	-
MFU-4-50A4-4T-H11	4	4	50	11	4	-
MFU-3-50A6-4T-H9	3	6	50	9	4	-
MFU-4-50A6-4T-H11	4	6	50	11	4	-
MFU-4.5-50A6-4T-H11	4.5	6	50	11	4	-
MFU-5-50A6-4T-H13	5	6	50	13	4	-
MFU-6-50A6-4T-H15	6	6	50	15	4	-
MFU-8-60A8-4T-H20	8	8	60	20	4	-
MFU-10-75A10-4T-H25	10	10	75	25	4	-
MFU-12-75A12-4T-H30	12	12	75	30	4	-
MFU-16-100A16-4T-H45	16	16	100	45	4	-

产品系列 Specification \ 工件材料 Work Piece	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium Alloy	铸铁 Cast iron	不锈钢 Stainless Steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy	石墨 Graphite
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%	
MFU	■	■	■	◆	◆	◆						■		◆	◆	

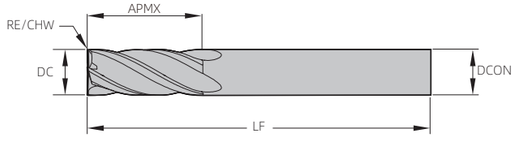
适用：■最佳　◆适用　□能用　　Suit: ■Excellent ◆Good □OK

硬质合金铣刀 Carbide End Mill

MCU 高效能平刀（带倒角）
Type-M Flat For High Efficiency(Chamfered)

UP3225





1.单位：mm　　1.Unit：mm

■不等导程切削刃，出色的抗震性能，氮化铬铝涂层（AlCrN），有更好的摩擦系数，高效加工，高速加工，尤为适合加工铬钼类合金。
■Unequal lead cutting edges, excellent seismic performance, chromium aluminum nitride coating (AlCrN), better friction coefficient, High-efficiency machining, high-speed machining, especially suitable for processing chromium molybdenum alloys.

Al　HA h6　39/41°　C

型号 Specification	DC	DCON	LF	APMX	ZEFP	RE/CHW
MCU-1C0.06-50A4-4T-H5	1	4	50	5	4	C0.06
MCU-1.5C0.06-50A4-4T-H5	1.5	4	50	5	4	C0.06
MCU-2C0.06-50A4-4T-H6	2	4	50	6	4	C0.06
MCU-2.5C0.06-50A4-4T-H8	2.5	4	50	8	4	C0.06
MCU-3C0.06-50A4-4T-H9	3	4	50	9	4	C0.06
MCU-4C0.06-50A4-4T-H11	4	4	50	11	4	C0.06
MCU-3C0.06-50A6-4T-H9	3	6	50	9	4	C0.06
MCU-4C0.06-50A6-4T-H11	4	6	50	11	4	C0.06
MCU-5C0.09-50A6-4T-H13	5	6	50	13	4	C0.09
MCU-6C0.09-50A6-4T-H15	6	6	50	15	4	C0.09
MCU-8C0.12-60A8-4T-H20	8	8	60	20	4	C0.12
MCU-10C0.15-75A10-4T-H25	10	10	75	25	4	C0.15
MCU-12C0.18-75A12-4T-H30	12	12	75	30	4	C0.18
MCU-16C0.25-100A16-4T-H45	16	16	100	45	4	C0.25

产品系列 Specification \ 工件材料 Work Piece	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium Alloy	铸铁 Cast iron	不锈钢 Stainless Steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy	石墨 Graphite
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%	
MCU	■	■	■	◆	◆	◆						■		◆	◆	

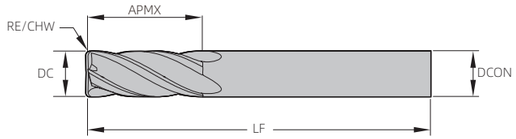
适用：■最佳　◆适用　□能用　　Suit: ■Excellent ◆Good □OK

硬质合金铣刀 Carbide End Mill

MRU 高效能R角刀
Type-M R-corner For High Efficiency

UP3225





1.单位：mm　　1.Unit：mm

■不等导程切削刃，出色的抗震性能，氮化铬铝涂层（AlCrN），有更好的摩擦系数，高效加工，高速加工，尤为适合加工铬钼类合金。
■Unequal lead cutting edges, excellent seismic performance, chromium aluminum nitride coating (AlCrN), better friction coefficient, High-efficiency machining, high-speed machining, especially suitable for processing chromium molybdenum alloys.

Al | HA h6 | 39/41° | R

型号 Specification	DC	DCON	LF	APMX	ZEFP	RE/CHW
MRU-3R0.2-50A4-4T-H9	3	4	50	9	4	R0.2
MRU-3R0.5-50A4-4T-H9	3	4	50	9	4	R0.5
MRU-4R0.2-50A4-4T-H11	4	4	50	11	4	R0.2
MRU-4R0.5-50A4-4T-H11	4	4	50	11	4	R0.5
MRU-3R0.2-50A6-4T-H9	3	6	50	9	4	R0.2
MRU-3R0.5-50A6-4T-H9	3	6	50	9	4	R0.5
MRU-4R0.2-50A6-4T-H11	4	6	50	11	4	R0.2
MRU-4R0.5-50A6-4T-H11	4	6	50	11	4	R0.5
MRU-5R0.2-50A6-4T-H13	5	6	50	13	4	R0.2
MRU-5R0.5-50A6-4T-H13	5	6	50	13	4	R0.5
MRU-6R0.2-50A6-4T-H15	6	6	50	15	4	R0.2
MRU-6R0.5-50A6-4T-H15	6	6	50	15	4	R0.5
MRU-6R1-50A6-4T-H15	6	6	50	15	4	R1
MRU-8R0.2-60A8-4T-H20	8	8	60	20	4	R0.2
MRU-8R0.5-60A8-4T-H20	8	8	60	20	4	R0.5
MRU-8R1-60A8-4T-H20	8	8	60	20	4	R1
MRU-10R0.2-75A10-4T-H25	10	10	75	25	4	R0.2
MRU-10R0.5-75A10-4T-H25	10	10	75	25	4	R0.5
MRU-10R1-75A10-4T-H25	10	10	75	25	4	R1
MRU-10R2-75A10-4T-H25	10	10	75	25	4	R2
MRU-12R0.2-75A12-4T-H30	12	12	75	30	4	R0.2
MRU-12R0.5-75A12-4T-H30	12	12	75	30	4	R0.5
MRU-12R1-75A12-4T-H30	12	12	75	30	4	R1
MRU-16R0.5-100A16-4T-H40	16	16	100	40	4	R0.5
MRU-16R1-100A16-4T-H40	16	16	100	40	4	R1

产品系列 Specification \ 工件材料 Work Piece	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium Alloy	铸铁 Cast iron	不锈钢 Stainless Steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy	石墨 Graphite
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%	
MRU	■	■	■	■	■	■	◆					■	◆	◆	◆	

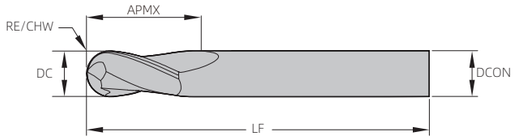
适用：■最佳　◆适用　□能用　　Suit: ■Excellent ◆Good □OK

硬质合金铣刀 Carbide End Mill

MB 高效能球刀
Type-M Ball For High Efficiency

UP3225





1.单位：mm　　1.Unit：mm

■不等导程切削刃，出色的抗震性能，氮化铬铝涂层（AlCrN），有更好的摩擦系数，高效加工，高速加工，尤为适合加工铬钼类合金。
■Unequal lead cutting edges, excellent seismic performance, chromium aluminum nitride coating (AlCrN), better friction coefficient, High-efficiency machining, high-speed machining, especially suitable for processing chromium molybdenum alloys.

Al | HA h6 | 25° | B

型号 Specification	DC	DCON	LF	APMX	ZEFP	RE/CHW
MB-1R0.5-50A4-2T-H2	1	4	50	2	2	R0.5
MB-1.5R0.75-50A4-2T-H3	1.5	4	50	3	2	R0.75
MB-2R1-50A4-4T-H4	2	4	50	4	4	R1
MB-2.5R1.25-50A4-4T-H5	2.5	4	50	5	4	R1.25
MB-3R1.5-50A4-4T-H6	3	4	50	6	4	R1.5
MB-4R2-50A4-4T-H8	4	4	50	8	4	R2
MB-6R3-50A6-4T-H12	6	6	50	12	4	R3
MB-8R4-60A8-4T-H16	8	8	60	16	4	R4
MB-10R5-75A10-4T-H20	10	10	75	20	4	R5
MB-12R6-75A12-4T-H24	12	12	75	24	4	R6

产品系列 Specification \ 工件材料 Work Piece	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium Alloy	铸铁 Cast iron	不锈钢 Stainless Steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy	石墨 Graphite
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%	
MB	■	■	■	■	■	■	◆					■	◆	◆	◆	

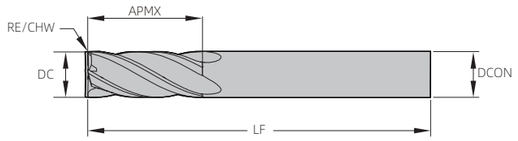
适用：■最佳　◆适用　□能用　　Suit: ■Excellent ◆Good □OK

硬质合金铣刀 Carbide End Mill

PFN | 预硬料平刀
Type-P Flat For Pre-hardened

NP2425





1.单位：mm　　1.Unit：mm

■不对称切削刃，使每一个切削刃的寿命都能最大化，氮化硅钛（TisiN）的复合涂层有更好红硬性，适应大多预硬料的加工。在HRC30~50°的硬度范围获得最好的性价比！
■Asymmetric cutting edges maximize the life of each cutting edge, a composite coating of titanium silicon nitride (TisiN), It has better red hardness and is suitable for processing most pre-hardened materials. The best cost-performance ratio is obtained in the hardness range of HRC30-50°.

Ti | HA h6 | 45° | 90°

型号 Specification	DC	DCON	LF	APMX	ZEFP	RE/CHW
PFN-1-50A4-4T-H3	1	4	50	3	4	-
PFN-1-75A4-4T-H3	1	4	75	3	4	-
PFN-1.5-50A4-4T-H4	1.5	4	50	4	4	-
PFN-1.5-75A4-4T-H4	1.5	4	75	4	4	-
PFN-2-50A4-4T-H6	2	4	50	6	4	-
PFN-2-75A4-4T-H6	2	4	75	6	4	-
PFN-2.5-50A4-4T-H7	2.5	4	50	7	4	-
PFN-2.5-75A4-4T-H7	2.5	4	75	7	4	-
PFN-3-50A4-4T-H8	3	4	50	8	4	-
PFN-3-75A4-4T-H8	3	4	75	8	4	-
PFN-4-50A4-4T-H11	4	4	50	11	4	-
PFN-4-75A4-4T-H11	4	4	75	11	4	-
PFN-3-50A6-4T-H8	3	6	50	8	4	-
PFN-4-50A6-4T-H11	4	6	50	11	4	-
PFN-5-50A6-4T-H13	5	6	50	13	4	-
PFN-5-75A6-4T-H13	5	6	75	13	4	-
PFN-5-100A6-4T-H13	5	6	100	13	4	-
PFN-6-50A6-4T-H15	6	6	50	15	4	-
PFN-6-75A6-4T-H15	6	6	75	15	4	-
PFN-6-100A6-4T-H15	6	6	100	15	4	-
PFN-8-60A8-4T-H20	8	8	60	20	4	-
PFN-8-75A8-4T-H20	8	8	75	20	4	-
PFN-8-100A8-4T-H20	8	8	100	20	4	-
PFN-10-75A10-4T-H25	10	10	75	25	4	-
PFN-10-100A10-4T-H25	10	10	100	25	4	-
PFN-10-150A10-4T-H25	10	10	150	25	4	-
PFN-12-75A12-4T-H30	12	12	75	30	4	-
PFN-12-100A12-4T-H30	12	12	100	30	4	-
PFN-12-150A12-4T-H30	12	12	150	30	4	-
PFN-14-100A14-4T-H36	14	14	100	36	4	-
PFN-16-100A16-4T-H36	16	16	100	36	4	-
PFN-16-150A16-4T-H40	16	16	150	40	4	-

工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium Alloy	铸铁 Cast iron	不锈钢 Stainless Steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy	石墨 Graphite
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%	
PFN	◆	◆	◆	■	■	■	■	◆								

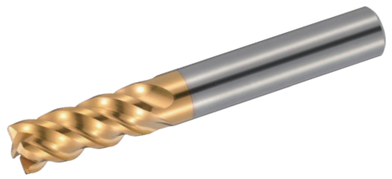
适用：■最佳　◆适用　□能用　　Suit: ■Excellent ◆Good □OK

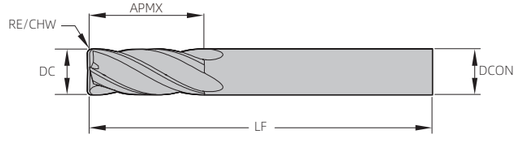
整体圆柄刀具
Solid Round Tools

硬质合金铣刀 Carbide End Mill

PRN | 预硬料R角刀
Type-P R-corner For Pre-hardened

NP2425





1.单位：mm　　1.Unit：mm

■不对称切削刃，使每一个切削刃的寿命都能最大化，氮化硅钛（TisiN）的复合涂层有更好红硬性，适应大多预硬料的加工。在HRC30~50°的硬度范围获得最好的性价比！
■Asymmetric cutting edges maximize the life of each cutting edge, a composite coating of titanium silicon nitride (TisiN), It has better red hardness and is suitable for processing most pre-hardened materials. The best cost-performance ratio is obtained in the hardness range of HRC30-50°.

Ti | HA h6 | 45° | R

型号 Specification	DC	DCON	LF	APMX	ZEFP	RE/CHW
PRN-1R0.1-50A4-4T-H3	1	4	50	3	4	R0.1
PRN-1R0.1-75A4-4T-H3	1	4	75	3	4	R0.1
PRN-1R0.2-50A4-4T-H3	1	4	50	3	4	R0.2
PRN-1R0.2-75A4-4T-H3	1	4	75	3	4	R0.2
PRN-1.5R0.1-50A4-4T-H4	1.5	4	50	4	4	R0.1
PRN-1.5R0.1-75A4-4T-H4	1.5	4	75	4	4	R0.1
PRN-1.5R0.2-50A4-4T-H4	1.5	4	50	4	4	R0.2
PRN-1.5R0.2-75A4-4T-H4	1.5	4	75	4	4	R0.2
PRN-2R0.1-50A4-4T-H6	2	4	50	6	4	R0.1
PRN-2R0.1-75A4-4T-H6	2	4	75	6	4	R0.1
PRN-2R0.2-50A4-4T-H6	2	4	50	6	4	R0.2
PRN-2R0.2-75A4-4T-H6	2	4	75	6	4	R0.2
PRN-2R0.5-50A4-4T-H6	2	4	50	6	4	R0.5
PRN-2R0.5-75A4-4T-H6	2	4	75	6	4	R0.5
PRN-2.5R0.2-50A4-4T-H7	2.5	4	50	7	4	R0.2
PRN-2.5R0.2-75A4-4T-H7	2.5	4	75	7	4	R0.2
PRN-3R0.2-50A4-4T-H8	3	4	50	8	4	R0.2
PRN-3R0.2-75A4-4T-H8	3	4	75	8	4	R0.2
PRN-3R0.5-50A4-4T-H8	3	4	50	8	4	R0.5
PRN-3R0.5-75A4-4T-H8	3	4	75	8	4	R0.5
PRN-4R0.1-50A4-4T-H10	4	4	50	10	4	R0.1
PRN-4R0.2-50A4-4T-H10	4	4	50	10	4	R0.2
PRN-4R0.2-75A4-4T-H10	4	4	75	10	4	R0.2
PRN-4R0.3-50A4-4T-H10	4	4	50	10	4	R0.3
PRN-4R0.5-50A4-4T-H10	4	4	50	10	4	R0.5
PRN-4R0.5-75A4-4T-H10	4	4	75	10	4	R0.5
PRN-4R0.5-100A4-4T-H10	4	4	100	10	4	R0.5
PRN-4R1-50A4-4T-H10	4	4	50	10	4	R1
PRN-4R1-75A4-4T-H10	4	4	75	10	4	R1
PRN-5R0.2-50A6-4T-H13	5	6	50	13	4	R0.2
PRN-5R0.2-75A6-4T-H13	5	6	75	13	4	R0.2
PRN-5R0.2-100A6-4T-H13	5	6	100	13	4	R0.2
PRN-5R0.5-50A6-4T-H13	5	6	50	13	4	R0.5
PRN-5R0.5-75A6-4T-H13	5	6	75	13	4	R0.5
PRN-5R0.5-100A6-4T-H13	5	6	100	13	4	R0.5
PRN-6R0.2-50A6-4T-H15	6	6	50	15	4	R0.2
PRN-6R0.2-75A6-4T-H15	6	6	75	15	4	R0.2
PRN-6R0.2-100A6-4T-H15	6	6	100	15	4	R0.2
PRN-6R0.5-50A6-4T-H15	6	6	50	15	4	R0.5
PRN-6R0.5-75A6-4T-H15	6	6	75	15	4	R0.5
PRN-6R0.5-100A6-4T-H15	6	6	100	15	4	R0.5

硬质合金铣刀 Carbide End Mill

PRN 预硬料R角刀
Type-P R-corner For Pre-hardened

NP2425

型号 Specification	DC	DCON	LF	APMX	ZEFP	RE/CHW
PRN-6R1-50A6-4T-H15	6	6	50	15	4	R1
PRN-6R1-75A6-4T-H15	6	6	75	15	4	R1
PRN-6R1-100A6-4T-H15	6	6	100	15	4	R1
PRN-8R0.2-60A8-4T-H20	8	8	60	20	4	R0.2
PRN-8R0.2-75A8-4T-H20	8	8	75	20	4	R0.2
PRN-8R0.2-100A8-4T-H20	8	8	100	20	4	R0.2
PRN-8R0.5-60A8-4T-H20	8	8	60	20	4	R0.5
PRN-8R0.5-75A8-4T-H20	8	8	75	20	4	R0.5
PRN-8R0.5-100A8-4T-H20	8	8	100	20	4	R0.5
PRN-8R1-60A8-4T-H20	8	8	60	20	4	R1
PRN-8R1-75A8-4T-H20	8	8	75	20	4	R1
PRN-8R1-100A8-4T-H20	8	8	100	20	4	R1
PRN-10R0.2-75A10-4T-H25	10	10	75	25	4	R0.2
PRN-10R0.2-100A10-4T-H25	10	10	100	25	4	R0.2
PRN-10R0.2-150A10-4T-H25	10	10	150	25	4	R0.2
PRN-10R0.5-75A10-4T-H25	10	10	75	25	4	R0.5
PRN-10R0.5-100A10-4T-H25	10	10	100	25	4	R0.5
PRN-10R0.5-150A10-4T-H25	10	10	150	25	4	R0.5
PRN-10R1-75A10-4T-H25	10	10	75	25	4	R1
PRN-10R1-100A10-4T-H25	10	10	100	25	4	R1
PRN-10R1-150A10-4T-H25	10	10	150	25	4	R1
PRN-10R2-75A10-4T-H25	10	10	75	25	4	R2
PRN-10R2-100A10-4T-H25	10	10	100	25	4	R2
PRN-10R2-150A10-4T-H25	10	10	150	25	4	R2
PRN-12R0.2-75A12-4T-H30	12	12	75	30	4	R0.2
PRN-12R0.2-100A12-4T-H30	12	12	100	30	4	R0.2
PRN-12R0.5-75A12-4T-H30	12	12	75	30	4	R0.5
PRN-12R0.5-100A12-4T-H30	12	12	100	30	4	R0.5
PRN-12R0.5-150A12-4T-H30	12	12	150	30	4	R0.5
PRN-12R1-75A12-4T-H30	12	12	75	30	4	R1
PRN-12R1-100A12-4T-H30	12	12	100	30	4	R1
PRN-12R1-150A12-4T-H30	12	12	150	30	4	R1
PRN-12R2-75A12-4T-H30	12	12	75	30	4	R2
PRN-12R2-100A12-4T-H30	12	12	100	30	4	R2
PRN-12R2-150A12-4T-H30	12	12	150	30	4	R2
PRN-12R3-75A12-4T-H30	12	12	75	30	4	R3
PRN-12R3-100A12-4T-H30	12	12	100	30	4	R3
PRN-16R0.5-100A16-4T-H40	16	16	100	40	4	R0.5
PRN-16R0.5-150A16-4T-H40	16	16	150	40	4	R0.5
PRN-16R1-100A16-4T-H40	16	16	100	40	4	R1
PRN-16R1-150A16-4T-H40	16	16	150	40	4	R1
PRN-16R2-100A16-4T-H40	16	16	100	40	4	R2
PRN-16R2-150A16-4T-H40	16	16	150	40	4	R2

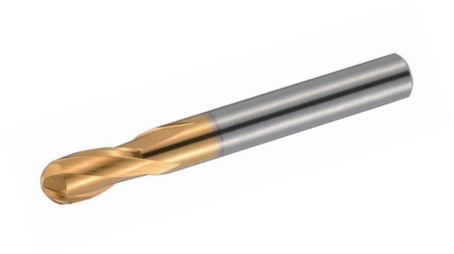
工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium Alloy	铸铁 Cast iron	不锈钢 Stainless Steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy	石墨 Graphite
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr≈17%	CrSi<2.5%	TC4	Cr<13%	
PRN	◆	◆	◆	■	■	■	■	◆								

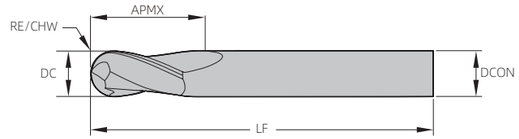
适用： ■ 最佳 ◆ 适用 □ 能用　　Suit: ■ Excellent ◆ Good □ OK

硬质合金铣刀 Carbide End Mill

PB 预硬料球刀
Type-P Ball For Pre-hardened

NP2425





1.单位：mm　　1.Unit：mm

■不对称切削刃，使每一个切削刃的寿命都能最大化，氮化硅钛（TisiN）的复合涂层有更好红硬性，适应大多预硬料的加工。在HRC30~50°的硬度范围获得最好的性价比！
■Asymmetric cutting edges maximize the life of each cutting edge, a composite coating of titanium silicon nitride (TisiN), It has better red hardness and is suitable for processing most pre-hardened materials. The best cost-performance ratio is obtained in the hardness range of HRC30-50°.



型号 Specification	DC	DCON	LF	APMX	ZEFP	RE/CHW
PB-1R0.5-50A4-2T-H2	1	4	50	2	2	R0.5
PB-1R0.5-75A4-2T-H2	1	4	75	2	2	R0.5
PB-1.5R0.75-50A4-2T-H3	1.5	4	50	3	2	R0.75
PB-1.5R0.75-75A4-2T-H3	1.5	4	75	3	2	R0.75
PB-2R1-50A4-2T-H4	2	4	50	4	2	R1
PB-2R1-75A4-2T-H4	2	4	75	4	2	R1
PB-2.5R1.25-50A4-2T-H5	2.5	4	50	5	2	R1.25
PB-2.5R1.25-75A4-2T-H5	2.5	4	75	5	2	R1.25
PB-3R1.5-50A4-2T-H6	3	4	50	6	2	R1.5
PB-3R1.5-75A4-2T-H6	3	4	75	6	2	R1.5
PB-3.5R1.75-50A4-2T-H7	3.5	4	50	7	2	R1.75
PB-4R2-50A4-2T-H8	4	4	50	8	2	R2
PB-4R2-75A4-2T-H8	4	4	75	8	2	R2
PB-3R1.5-50A6-2T-H6	3	6	50	6	2	R1.5
PB-3R1.5-75A6-2T-H6	3	6	75	6	2	R1.5
PB-4R2-50A6-2T-H8	4	6	50	8	2	R2
PB-4R2-75A6-2T-H8	4	6	75	8	2	R2
PB-5R2.5-50A6-2T-H10	5	6	50	10	2	R2.5
PB-5R2.5-75A6-2T-H10	5	6	75	10	2	R2.5
PB-5R2.5-100A6-2T-H10	5	6	100	10	2	R2.5
PB-6R3-50A6-2T-H12	6	6	50	12	2	R3
PB-6R3-75A6-2T-H12	6	6	75	12	2	R3
PB-6R3-100A6-2T-H12	6	6	100	12	2	R3
PB-7R3.5-60A8-2T-H14	7	8	60	14	2	R3.5
PB-8R4-60A8-2T-H16	8	8	60	16	2	R4
PB-8R4-75A8-2T-H16	8	8	75	16	2	R4
PB-8R4-100A8-2T-H16	8	8	100	16	2	R4
PB-10R5-75A10-2T-H20	10	10	75	20	2	R5
PB-10R5-100A10-2T-H20	10	10	100	20	2	R5
PB-10R5-150A10-2T-H20	10	10	150	20	2	R5
PB-12R6-75A12-2T-H24	12	12	75	24	2	R6
PB-12R6-100A12-2T-H24	12	12	100	24	2	R6
PB-12R6-150A12-2T-H24	12	12	150	24	2	R6
PB-16R8-100A16-2T-H32	16	16	100	32	2	R8
PB-16R8-150A16-2T-H32	16	16	150	32	2	R8

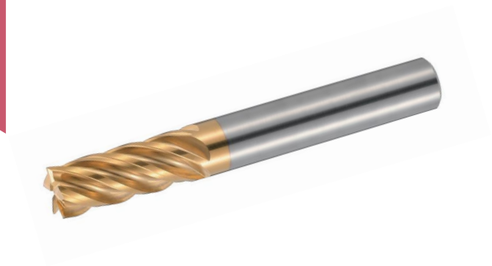
工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium Alloy	铸铁 Cast iron	不锈钢 Stainless Steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy	石墨 Graphite
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr≈17%	CrSi<2.5%	TC4	Cr<13%	
PB	■	■	■	◆	◆						◆	◆				

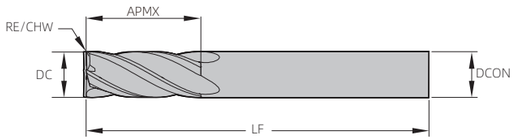
适用： ■ 最佳 ◆ 适用 □ 能用　　Suit: ■ Excellent ◆ Good □ OK

硬质合金铣刀 Carbide End Mill

SFU 难加工材料平刀
Type-S Flat For Hardness Material

UP3430





1.单位：mm　　1.Unit：mm

■不等导程切削刃，优越的抗震性能，氮化硅钛（TisiN）的复合涂层有更好红硬性，有高速加工钛合金高温合金能力。
■Unequal lead cutting edges, superior seismic performance, and titanium nitride (TisiN) composite coatings have better red hardness, ability to process titanium alloy super alloys at high speed.

Ti | HA h6 | 39/41° | 90°

型号 Specification	DC	DCON	LF	APMX	ZEFP	RE/CHW
SFU-1-50A4-4T-H3	1	4	50	3	4	-
SFU-1.5-50A4-4T-H5	1.5	4	50	5	4	-
SFU-2-50A4-4T-H6	2	4	50	6	4	-
SFU-2.5-50A4-4T-H8	2.5	4	50	8	4	-
SFU-3-50A4-4T-H9	3	4	50	9	4	-
SFU-3-50A6-4T-H9	3	6	50	9	4	-
SFU-4-50A4-4T-H11	4	4	50	11	4	-
SFU-4-50A6-4T-H11	4	6	50	11	4	-
SFU-4-50A6-5T-H11	4	6	50	11	5	-
SFU-5-50A6-4T-H13	5	6	50	13	4	-
SFU-6-50A6-4T-H15	6	6	50	15	4	-
SFU-6-50A6-5T-H15	6	6	50	15	5	-
SFU-8-60A8-4T-H20	8	8	60	20	4	-
SFU-8-60A8-5T-H20	8	8	60	20	5	-
SFU-10-75A10-4T-H25	10	10	75	25	4	-
SFU-10-75A10-5T-H25	10	10	75	25	5	-
SFU-12-75A12-4T-H30	12	12	75	30	4	-
SFU-12-75A12-5T-H30	12	12	75	30	5	-
SFU-16-100A16-4T-H40	16	16	100	40	4	-
SFU-16-100A16-5T-H45	16	16	100	45	5	-

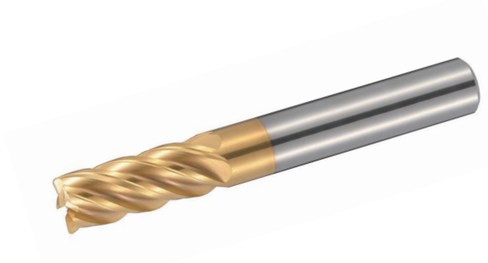
工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium Alloy	铸铁 Cast iron	不锈钢 Stainless Steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy	石墨 Graphite
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%	
SFU	■	■	■	◆	◆	◆						■		■	■	

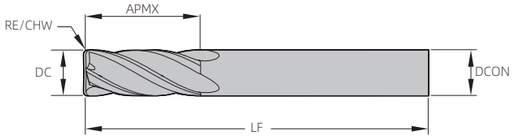
适用：■最佳　◆适用　□能用　　Suit: ■Excellent ◆Good □OK

硬质合金铣刀 Carbide End Mill

SRU 难加工材料R角刀
Type-S R-corner For Hardness Material

UP3430





1.单位：mm　　1.Unit：mm

■不等导程切削刃，优越的抗震性能，氮化硅钛（TisiN）的复合涂层有更好红硬性，有高速加工钛合金高温合金能力。
■Unequal lead cutting edges, superior seismic performance, and titanium nitride (TisiN) composite coatings have better red hardness, ability to process titanium alloy super alloys at high speed.

Ti | HA h6 | 39/41° | R

型号 Specification	DC	DCON	LF	APMX	ZEFP	RE/CHW
SRU-4R0.5-50A6-5T-H11	4	6	50	11	5	R0.5
SRU-6R0.5-50A6-5T-H15	6	6	50	15	5	R0.5
SRU-8R0.5-60A8-5T-H20	8	8	60	20	5	R0.5
SRU-10R0.5-75A10-5T-H25	10	10	75	25	5	R0.5
SRU-12R0.5-75A12-5T-H30	12	12	75	30	5	R0.5
SRU-16R0.5-100A16-5T-H30	16	16	100	30	5	R0.5

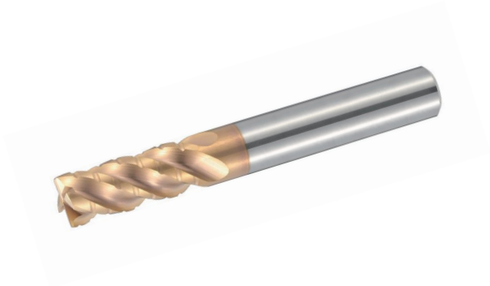
工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium Alloy	铸铁 Cast iron	不锈钢 Stainless Steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy	石墨 Graphite
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%	
SRU	◆	◆	◆	■	■	■	◆					■		◆	◆	

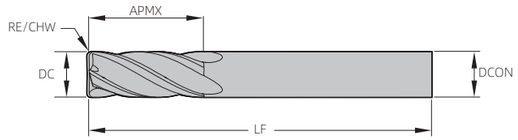
适用：■最佳　◆适用　□能用　　Suit: ■Excellent ◆Good □OK

硬质合金铣刀 Carbide End Mill

SRM | 难加工材料开粗刀
Type-S Roughing For Hardness Material

UP3430





1.单位：mm　　1.Unit：mm

■不等导程切削刃，优越的抗震性能，氮化硅钛（TisiN）的复合涂层有更好红硬性，有高速加工钛合金高温合金能力；

■SRM系列是S系列的特殊款，当你机床负载能力不足时，可以使用它来完成开粗工作可以有效降低切削负载。

■Unequal lead cutting edges, superior seismic performance, and titanium nitride (TisiN) composite coatings have better red hardness, ability to process titanium alloy super alloys at high speed;

■The SRM series is a special version of the S series. When your machine tool has insufficient load capacity, you can use it to complete the roughening work. It can effectively reduce the cutting load.

Ti　HA h6　35°　R

型号 Specification	DC	DCON	LF	APMX	ZEFP	RE/CHW
SRM-4R0.5-50A4-4T-H10	4	4	50	10	4	R0.5
SRM-6R0.5-50A6-4T-H15	6	6	50	15	4	R0.5
SRM-8R0.5-60A8-4T-H20	8	8	60	20	4	R0.5
SRM-10R1-75A10-4T-H25	10	10	75	25	4	R1
SRM-12R1-75A12-4T-H32	12	12	75	32	4	R1
SRM-16R1-100A16-4T-H45	16	16	100	45	4	R1

产品系列 Specification \ 工件材料 Work Piece	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium Alloy	铸铁 Cast iron	不锈钢 Stainless Steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy	石墨 Graphite
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%	
SRM	◆	◆	◆	■	■	■	◆					■		◆	◆	

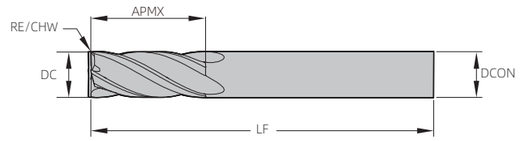
适用：■最佳　◆适用　□能用　　Suit: ■Excellent ◆Good □OK

硬质合金铣刀 Carbide End Mill

HFN | 高硬度平刀
Type-H Flat For High Hardness

NP2210





1.单位：mm　　1.Unit：mm

■不对称切削刃，使每一个切削刃的寿命都能最大化，极细颗粒棒材和氮化铬铝涂层增强版（AlCrN PluS），比肩欧美的寿命！最适合HRC58~66°范围内的模具钢材。

■Asymmetric cutting edges that maximize the life of each cutting edge, excellent particle bars, and chromium aluminum nitride coatings. The service life in the enhanced version (AlCrN Plus) equals top European brands! It is most suitable for mold steel within the range of HRC58~66 °.

Al　HA h6　45°　90°

型号 Specification	DC	DCON	LF	APMX	ZEFP	RE/CHW
HFN-1-50A4-4T-H2	1	4	50	2	4	-
HFN-1.5-50A4-4T-H3	1.5	4	50	3	4	-
HFN-2-50A4-4T-H4	2	4	50	4	4	-
HFN-2.5-50A4-4T-H5	2.5	4	50	5	4	-
HFN-3-50A4-4T-H6	3	4	50	6	4	-
HFN-4-50A4-4T-H8	4	4	50	8	4	-
HFN-3-50A6-4T-H6	3	6	50	6	4	-
HFN-4-50A6-4T-H8	4	6	50	8	4	-
HFN-5-50A6-4T-H10	5	6	50	10	4	-
HFN-6-50A6-4T-H12	6	6	50	12	4	-
HFN-8-60A8-4T-H16	8	8	60	16	4	-
HFN-10-75A10-4T-H20	10	10	75	20	4	-
HFN-12-75A12-4T-H24	12	12	75	24	4	-
HFN-16-100A16-4T-H32	16	16	100	32	4	-

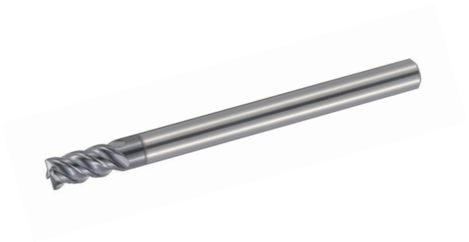
产品系列 Specification \ 工件材料 Work Piece	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium Alloy	铸铁 Cast iron	不锈钢 Stainless Steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy	石墨 Graphite
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%	
HFN						◆	■	■	■							

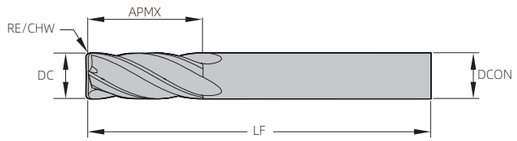
适用：■最佳　◆适用　□能用　　Suit: ■Excellent ◆Good □OK

硬质合金铣刀 Carbide End Mill

HRN 高硬度R角刀
Type-H R-corner For High Hardness

NP2210





1.单位：mm　　1.Unit：mm

■不对称切削刃，使每一个切削刃的寿命都能最大化，极细颗粒棒材和氮化铬铝涂层增强版（AlCrN PluS），比肩欧美的寿命！最适合HRC58~66°范围内的模具钢材。

■Asymmetric cutting edges that maximize the life of each cutting edge, excellent particle bars, and chromium aluminum nitride coatings. The service life in the enhanced version (AlCrN Plus) equals top European brands! It is most suitable for mold steel within the range of HRC58~66 °.



型号 Specification	DC	DCON	LF	APMX	ZEFP	RE/CHW
HRN-1R0.1-50A4-4T-H1.8	1	4	50	1.8	4	R0.1
HRN-1R0.2-50A4-4T-H2	1	4	50	2	4	R0.2
HRN-1.5R0.2-50A4-4T-H3	1.5	4	50	3	4	R0.2
HRN-2R0.1-50A4-4T-H4	2	4	50	4	4	R0.1
HRN-2R0.2-50A4-4T-H4	2	4	50	4	4	R0.2
HRN-2R0.5-50A4-4T-H4	2	4	50	4	4	R0.5
HRN-2.5R0.2-50A4-4T-H5	2.5	4	50	5	4	R0.2
HRN-2.5R0.5-50A4-4T-H5	2.5	4	50	5	4	R0.5
HRN-3R0.2-50A4-4T-H6	3	4	50	6	4	R0.2
HRN-3R0.5-50A4-4T-H6	3	4	50	6	4	R0.5
HRN-4R0.2-50A4-4T-H8	4	4	50	8	4	R0.2
HRN-4R0.5-50A4-4T-H8	4	4	50	8	4	R0.5
HRN-4R1-50A4-4T-H8	4	4	50	8	4	R1
HRN-5R0.2-50A6-4T-H10	5	6	50	10	4	R0.2
HRN-5R0.5-50A6-4T-H10	5	6	50	10	4	R0.5
HRN-5R1-50A6-4T-H10	5	6	50	10	4	R1
HRN-6R0.2-50A6-4T-H12	6	6	50	12	4	R0.2
HRN-6R0.5-50A6-4T-H12	6	6	50	12	4	R0.5
HRN-6R1-50A6-4T-H12	6	6	50	12	4	R1
HRN-8R0.2-60A8-4T-H16	8	8	60	16	4	R0.2
HRN-8R0.5-60A8-4T-H16	8	8	60	16	4	R0.5
HRN-8R1-60A8-4T-H16	8	8	60	16	4	R1
HRN-10R0.2-75A10-4T-H20	10	10	75	20	4	R0.2
HRN-10R0.5-75A10-4T-H20	10	10	75	20	4	R0.5
HRN-10R1-75A10-4T-H20	10	10	75	20	4	R1
HRN-10R2-75A10-4T-H20	10	10	75	20	4	R2
HRN-12R0.2-75A12-4T-H24	12	12	75	24	4	R0.2
HRN-12R0.5-75A12-4T-H24	12	12	75	24	4	R0.5
HRN-12R1-75A12-4T-H24	12	12	75	24	4	R1
HRN-12R1.5-75A12-4T-H24	12	12	75	24	4	R1.5
HRN-12R2-75A12-4T-H24	12	12	75	24	4	R2

工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium Alloy	铸铁 Cast iron	不锈钢 Stainless Steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy	石墨 Graphite
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%	
HRN						◆	■	■	■							

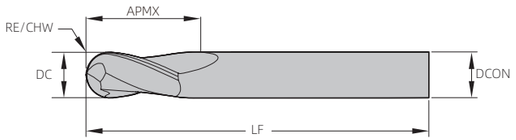
适用：■最佳　◆适用　□能用　　Suit: ■Excellent ◆Good □OK

硬质合金铣刀 Carbide End Mill

HB 高硬度球刀
Type-H Ball For High Hardness

NP2210





1.单位：mm　　1.Unit：mm

■不对称切削刃，使每一个切削刃的寿命都能最大化，极细颗粒棒材和氮化铬铝涂层增强版（AlCrN PluS），比肩欧美的寿命！最适合HRC58~66°范围内的模具钢材。

■Asymmetric cutting edges that maximize the life of each cutting edge, excellent particle bars, and chromium aluminum nitride coatings. The service life in the enhanced version (AlCrN Plus) equals top European brands! It is most suitable for mold steel within the range of HRC58~66 °.



型号 Specification	DC	DCON	LF	APMX	ZEFP	RE/CHW
HB-1R0.5-50A4-2T-H1.5	1	4	50	1.5	2	R0.5
HB-1.5R0.75-50A4-2T-H2.3	1.5	4	50	2.3	2	R0.75
HB-2R1-50A4-2T-H3	2	4	50	3	2	R1
HB-2.5R1.25-50A4-2T-H4	2.5	4	50	4	2	R1.25
HB-3R1.5-50A4-2T-H4.5	3	4	50	4.5	2	R1.5
HB-4R2-50A4-2T-H6	4	4	50	6	2	R2
HB-3R1.5-50A6-2T-H4.5	3	6	50	4.5	2	R1.5
HB-4R2-50A6-2T-H6	4	6	50	6	2	R2
HB-5R2.5-50A6-2T-H7	5	6	50	7	2	R2.5
HB-6R3-50A6-2T-H9	6	6	50	9	2	R3
HB-7R3.5-60A8-2T-H10	7	8	60	10	2	R3.5
HB-8R4-60A8-2T-H12	8	8	60	12	2	R4
HB-9R4.5-75A10-2T-H12	9	10	75	12	2	R4.5
HB-10R5-75A10-2T-H15	10	10	75	15	2	R5
HB-12R6-75A12-2T-H18	12	12	75	18	2	R6
HB-16R8-100A16-2T-H24	16	16	100	24	2	R8

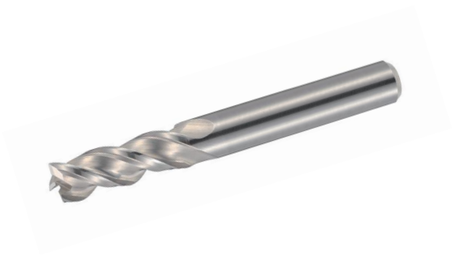
工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium Alloy	铸铁 Cast iron	不锈钢 Stainless Steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy	石墨 Graphite
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%	
HB						◆	■	■	■							

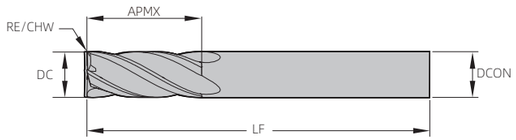
适用：■最佳　◆适用　□能用　　Suit: ■Excellent ◆Good □OK

硬质合金铣刀 Carbide End Mill

NFU | 铝合金平刀
Type-N Flat For Aluminum Alloy

E420





1.单位：mm　　1.Unit：mm

■采用了三不等对称刃、三不等螺旋角、三不等导程设计，强力大移除量开粗，粗精加工两用，尤为适合加工航天航空领域常用的6系和7系铝合金！

■The design adopts three unequal symmetrical blades, three unequal spiral angles, and three unequal lead lengths. It has a strong and large removal capacity for rough machining, and dual-use of rough & fine machining, especially suitable for processing 6-series and 7-series aluminum alloys commonly used in the aerospace field!



型号 Specification	DC	DCON	LF	APMX	ZEFP	RE/CHW
NFU-1-50A4-3T-H3	1	4	50	3	3	-
NFU-1.5-50A4-3T-H4	1.5	4	50	4	3	-
NFU-2-50A4-3T-H6	2	4	50	6	3	-
NFU-2.5-50A4-3T-H7	2.5	4	50	7	3	-
NFU-3-50A4-3T-H9	3	4	50	9	3	-
NFU-3.5-50A4-3T-H11	3.5	4	50	11	3	-
NFU-4-50A4-3T-H12	4	4	50	12	3	-
NFU-3-50A6-3T-H9	3	6	50	9	3	-
NFU-4-50A6-3T-H12	4	6	50	12	3	-
NFU-5-50A6-3T-H13	5	6	50	13	3	-
NFU-5-50A6-3T-H15	5	6	50	15	3	-
NFU-5-50A6-3T-H18	5	6	50	18	3	-
NFU-6-50A6-3T-H18	6	6	50	18	3	-
NFU-8-60A8-3T-H20	8	8	60	20	3	-
NFU-8-60A8-3T-H25	8	8	60	25	3	-
NFU-10-75A10-3T-H25	10	10	75	25	3	-
NFU-10-75A10-3T-H30	10	10	75	30	3	-
NFU-12-75A12-3T-H30	12	12	75	30	3	-
NFU-12-75A12-3T-H36	12	12	75	36	3	-
NFU-12-75A12-3T-H40	12	12	75	40	3	-
NFU-16-100A16-3T-H40	16	16	100	40	3	-
NFU-16-100A16-3T-H45	16	16	100	45	3	-
NFU-20-100A20-3T-H40	20	20	100	40	3	-

工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium Alloy	铸铁 Cast iron	不锈钢 Stainless Steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy	石墨 Graphite
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%	
NFU										■			◆			

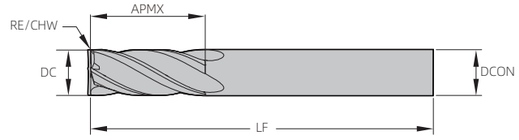
适用：■最佳　◆适用　□能用　　Suit: ■Excellent ◆Good □OK

硬质合金铣刀 Carbide End Mill

EPFN | 通用型平刀
Type-EP End Mill For General

UP4230





1.单位：mm　　1.Unit：mm

■适宜加工HRC55°以下的PMK类材料，粗铣、精铣两用，规格齐全，用途广泛。

■Suitable for processing PMK materials below HRC55 °, rough milling, fine milling dual-use, complete specifications, widely used.



型号 Specification	DC	DCON	LF	APMX	ZEFP	RE/CHW
EPFN-1-50A4-4T-H3	1	4	50	3	4	-
EPFN-1-50A6-4T-H3	1	6	50	3	4	-
EPFN-1.5-50A4-4T-H5	1.5	4	50	5	4	-
EPFN-1.5-50A6-4T-H5	1.5	6	50	5	4	-
EPFN-2-50A4-4T-H6	2	4	50	6	4	-
EPFN-2-50A6-4T-H6	2	6	50	6	4	-
EPFN-2.5-50A4-4T-H8	2.5	4	50	8	4	-
EPFN-3-50A4-4T-H9	3	4	50	9	4	-
EPFN-3-50A6-4T-H9	3	6	50	9	4	-
EPFN-3.5-50A4-4T-H11	3.5	4	50	11	4	-
EPFN-3.5-50A6-4T-H10	3.5	6	50	10	4	-
EPFN-4-50A4-4T-H12	4	4	50	12	4	-
EPFN-4-50A6-4T-H12	4	6	50	12	4	-
EPFN-4.5-50A6-4T-H13	4.5	6	50	13	4	-
EPFN-5-50A6-4T-H13	5	6	50	13	4	-
EPFN-5-50A6-4T-H15	5	6	50	15	4	-
EPFN-6-50A6-4T-H15	6	6	50	15	4	-
EPFN-6-50A6-4T-H18	6	6	50	18	4	-
EPFN-7-60A8-4T-H20	7	8	60	20	4	-
EPFN-8-60A8-4T-H20	8	8	60	20	4	-
EPFN-8-60A8-4T-H25	8	8	60	25	4	-
EPFN-9-75A10-4T-H25	9	10	75	25	4	-
EPFN-10-75A10-4T-H25	10	10	75	25	4	-
EPFN-10-75A10-4T-H30	10	10	75	30	4	-
EPFN-11-75A12-4T-H30	11	12	75	30	4	-
EPFN-12-75A12-4T-H30	12	12	75	30	4	-
EPFN-12-75A12-4T-H36	12	12	75	36	4	-
EPFN-13-100A14-4T-H40	13	14	100	40	4	-
EPFN-14-100A14-4T-H40	14	14	100	40	4	-
EPFN-15-100A16-4T-H40	15	16	100	40	4	-
EPFN-16-100A16-4T-H45	16	16	100	45	4	-
EPFN-20-100A20-4T-H50	20	20	100	50	4	-

工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium Alloy	铸铁 Cast iron	不锈钢 Stainless Steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy	石墨 Graphite
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%	
EPFU	■	■	■	■	■	■	◆	□								

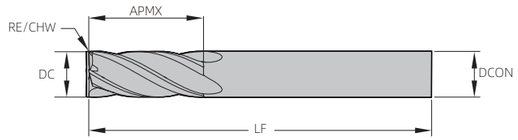
适用：■最佳　◆适用　□能用　　Suit: ■Excellent ◆Good □OK

硬质合金铣刀 Carbide End Mill

EPFN 通用型平刀（加长款）
Type-EP End Mill For General （lengthening）

UP4230





1.单位：mm　　1.Unit：mm

■适宜加工HRC55°以下的PMK类材料，粗铣、精铣两用，规格齐全，用途广泛。

■Suitable for processing PMK materials below HRC55 ° , rough milling, fine milling dual-use, complete specifications, widely used.

型号 Specification	DC	DCON	LF	APMX	ZEFP	RE/CHW
EPFN-1-75A4-4T-H3	1	4	75	3	4	-
EPFN-1.5-75A4-4T-H5	1.5	4	75	5	4	-
EPFN-2-75A4-4T-H6	2	4	75	6	4	-
EPFN-2.5-75A4-4T-H8	2.5	4	75	8	4	-
EPFN-3-75A4-4T-H9	3	4	75	9	4	-
EPFN-4-75A4-4T-H12	4	4	75	12	4	-
EPFN-4-100A4-4T-H12	4	4	100	12	4	-
EPFN-5-75A6-4T-H15	5	6	75	15	4	-
EPFN-5-100A6-4T-H15	5	6	100	15	4	-
EPFN-6-75A6-4T-H15	6	6	75	15	4	-
EPFN-6-100A6-4T-H15	6	6	100	15	4	-
EPFN-8-75A8-4T-H20	8	8	75	20	4	-
EPFN-8-100A8-4T-H20	8	8	100	20	4	-
EPFN-10-100A10-4T-H25	10	10	100	25	4	-
EPFN-10-150A10-4T-H25	10	10	150	25	4	-
EPFN-12-100A12-4T-H30	12	12	100	30	4	-
EPFN-12-150A12-4T-H36	12	12	150	36	4	-
EPFN-16-150A16-4T-H45	16	16	150	45	4	-

工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium Alloy	铸铁 Cast iron	不锈钢 Stainless Steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy	石墨 Graphite
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%	
EPFN	■	■	■	■	■	■	◆	□								

适用：■最佳　◆适用　□能用　　Suit: ■Excellent ◆Good □OK

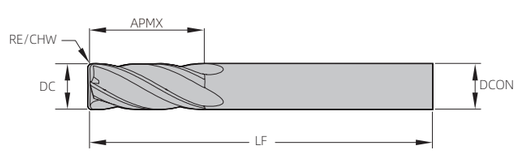
整体圆柄刀具
Solid Round Tools

硬质合金铣刀 Carbide End Mill

EPRN 通用型R角刀
Type-EP R-corner End Mill For General

UP4230





1.单位：mm　　1.Unit：mm

■适宜加工HRC55°以下的PMK类材料，粗铣、精铣两用，规格齐全，用途广泛。

■Suitable for processing PMK materials below HRC55 ° , rough milling, fine milling dual-use, complete specifications, widely used.

型号 Specification	DC	DCON	LF	APMX	ZEFP	RE/CHW
EPRN-1R0.1-50A4-4T-H3	1	4	50	3	4	R0.1
EPRN-1R0.2-50A4-4T-H3	1	4	50	3	4	R0.2
EPRN-1.5R0.1-50A4-4T-H4	1.5	4	50	4	4	R0.1
EPRN-1.5R0.2-50A4-4T-H4.5	1.5	4	50	4.5	4	R0.2
EPRN-1.5R0.5-50A4-4T-H4.5	1.5	4	50	4.5	4	R0.5
EPRN-2R0.1-50A4-4T-H5	2	4	50	5	4	R0.1
EPRN-2R0.2-50A4-4T-H5	2	4	50	5	4	R0.2
EPRN-2R0.5-50A4-4T-H5	2	4	50	5	4	R0.5
EPRN-2.5R0.2-50A4-4T-H7	2.5	4	50	7	4	R0.2
EPRN-2.5R0.5-50A4-4T-H7	2.5	4	50	7	4	R0.5
EPRN-3R0.2-50A4-4T-H8	3	4	50	8	4	R0.2
EPRN-3R0.5-50A4-4T-H8	3	4	50	8	4	R0.5
EPRN-3R1-50A4-4T-H8	3	4	50	8	4	R1
EPRN-3.5R0.5-50A4-4T-H8	3.5	4	50	8	4	R0.5
EPRN-4R0.2-50A4-4T-H10	4	4	50	10	4	R0.2
EPRN-4R0.3-50A4-4T-H11	4	4	50	11	4	R0.3
EPRN-4R0.5-50A4-4T-H10	4	4	50	10	4	R0.5
EPRN-4R0.5-50A6-4T-H10	4	6	50	10	4	R0.5
EPRN-4R1-50A4-4T-H10	4	4	50	10	4	R1
EPRN-4R1.5-50A4-4T-H10	4	4	50	10	4	R1.5
EPRN-4.5R0.2-50A6-4T-H13	4.5	6	50	13	4	R0.2
EPRN-5R0.2-50A6-4T-H13	5	6	50	13	4	R0.2
EPRN-5R0.5-50A6-4T-H13	5	6	50	13	4	R0.5
EPRN-5R1-50A6-4T-H13	5	6	50	13	4	R1
EPRN-6R0.1-50A6-4T-H15	6	6	50	15	4	R0.1
EPRN-6R0.2-50A6-4T-H15	6	6	50	15	4	R0.2
EPRN-6R0.5-50A6-4T-H15	6	6	50	15	4	R0.5
EPRN-6R1-50A6-4T-H15	6	6	50	15	4	R1
EPRN-6R1.5-50A6-4T-H15	6	6	50	15	4	R1.5
EPRN-6R2-50A6-4T-H15	6	6	50	15	4	R2
EPRN-8R0.2-60A8-4T-H20	8	8	60	20	4	R0.2
EPRN-8R0.5-60A8-4T-H20	8	8	60	20	4	R0.5
EPRN-8R1-60A8-4T-H20	8	8	60	20	4	R1
EPRN-8R1.5-60A8-4T-H20	8	8	60	20	4	R1.5
EPRN-8R2-60A8-4T-H20	8	8	60	20	4	R2
EPRN-8R3-60A8-4T-H20	8	8	60	20	4	R3
EPRN-10R0.2-75A10-4T-H25	10	10	75	25	4	R0.2
EPRN-10R0.5-75A10-4T-H25	10	10	75	25	4	R0.5
EPRN-10R1-75A10-4T-H25	10	10	75	25	4	R1
EPRN-10R1.5-75A10-4T-H25	10	10	75	25	4	R1.5
EPRN-10R2-75A10-4T-H25	10	10	75	25	4	R2

硬质合金铣刀 Carbide End Mill

EPRN 通用型R角刀
Type-EP R-corner End Mill For General

UP4230

型号 Specification	DC	DCON	LF	APMX	ZEFP	RE/CHW
EPRN-10R3-75A10-4T-H25	10	10	75	25	4	R3
EPRN-12R0.2-75A12-4T-H30	12	12	75	30	4	R0.2
EPRN-12R0.5-75A12-4T-H30	12	12	75	30	4	R0.5
EPRN-12R1-75A12-4T-H30	12	12	75	30	4	R1
EPRN-12R1.5-75A12-4T-H30	12	12	75	30	4	R1.5
EPRN-12R2-75A12-4T-H30	12	12	75	30	4	R2
EPRN-12R3-75A12-4T-H30	12	12	75	30	4	R3
EPRN-16R0.5-100A16-4T-H36	16	16	100	36	4	R0.5
EPRN-16R1-100A16-4T-H36	16	16	100	36	4	R1
EPRN-16R1.5-100A16-4T-H36	16	16	100	36	4	R1.5
EPRN-16R2-100A16-4T-H36	16	16	100	36	4	R2
EPRN-16R3-100A16-4T-H36	16	16	100	36	4	R3

工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium Alloy	铸铁 Cast iron	不锈钢 Stainless Steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy	石墨 Graphite
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%	
EPRN	■	■	■	■	■	■	◆	□								

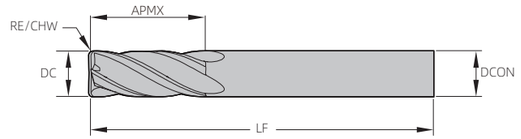
适用： ■最佳 ◆适用 □能用　　Suit: ■Excellent ◆Good □OK

硬质合金铣刀 Carbide End Mill

EPRN 通用型R角刀（加长款）
Type-EP R-corner End Mill For General（lengthening）

UP4230





1.单位：mm　　1.Unit：mm

■适宜加工HRC55°以下的PMK类材料，粗铣、精铣两用，规格齐全，用途广泛。

■Suitable for processing PMK materials below HRC55 °, rough milling, fine milling dual-use, complete specifications, widely used.

Al　A h6　45°　R

型号 Specification	DC	DCON	LF	APMX	ZEFP	RE/CHW
EPRN-1R0.2-75A4-4T-H3	1	4	4	3	4	R0.2
EPRN-2R0.2-75A4-4T-H6	2	4	4	6	4	R0.2
EPRN-2R0.5-75A4-4T-H6	2	4	4	6	4	R0.5
EPRN-3R0.2-75A4-4T-H8	3	4	4	8	4	R0.2
EPRN-3R0.5-75A4-4T-H8	3	4	4	8	4	R0.5
EPRN-3R1-75A4-4T-H8	3	4	4	8	4	R1
EPRN-4R0.2-75A4-4T-H10	4	4	4	10	4	R0.2
EPRN-4R0.3-75A4-4T-H10	4	4	4	10	4	R0.3
EPRN-4R0.5-75A4-4T-H10	4	4	4	10	4	R0.5
EPRN-4R0.5-100A4-4T-H10	4	4	4	10	4	R0.5
EPRN-4R0.5-75A6-4T-H10	4	6	6	10	4	R0.5
EPRN-4R1-75A4-4T-H10	4	4	4	10	4	R1
EPRN-4R1-100A4-4T-H10	4	4	4	10	4	R1
EPRN-5R0.5-75A6-4T-H13	5	6	6	13	4	R0.5
EPRN-5R0.5-100A6-4T-H13	5	6	6	13	4	R0.5
EPRN-5R1-75A6-4T-H13	5	6	6	13	4	R1
EPRN-5R1-100A6-4T-H13	5	6	6	13	4	R1
EPRN-6R0.2-75A6-4T-H15	6	6	6	15	4	R0.2
EPRN-6R0.2-100A6-4T-H15	6	6	6	15	4	R0.2
EPRN-6R0.5-75A6-4T-H15	6	6	6	15	4	R0.5
EPRN-6R0.5-100A6-4T-H15	6	6	6	15	4	R0.5
EPRN-6R1-75A6-4T-H15	6	6	6	15	4	R1
EPRN-6R1-100A6-4T-H15	6	6	6	15	4	R1
EPRN-8R0.2-75A8-4T-H20	8	8	8	20	4	R0.2
EPRN-8R0.2-100A8-4T-H20	8	8	8	20	4	R0.2
EPRN-8R0.5-75A8-4T-H20	8	8	8	20	4	R0.5
EPRN-8R0.5-100A8-4T-H20	8	8	8	20	4	R0.5
EPRN-8R1-75A8-4T-H20	8	8	8	20	4	R1
EPRN-8R1-100A8-4T-H20	8	8	8	20	4	R1
EPRN-8R1.5-75A8-4T-H20	8	8	8	20	4	R1.5
EPRN-8R1.5-100A8-4T-H20	8	8	8	20	4	R1.5
EPRN-8R2-75A8-4T-H20	8	8	8	20	4	R2
EPRN-8R2-100A8-4T-H20	8	8	8	20	4	R2
EPRN-10R0.2-100A10-4T-H25	10	10	10	25	4	R0.2
EPRN-10R0.5-100A10-4T-H25	10	10	10	25	4	R0.5
EPRN-10R0.5-150A10-4T-H40	10	10	10	40	4	R0.5
EPRN-10R1-100A10-4T-H25	10	10	10	25	4	R1
EPRN-10R1-150A10-4T-H40	10	10	10	40	4	R1
EPRN-10R1.5-100A10-4T-H25	10	10	10	25	4	R1.5
EPRN-10R2-100A10-4T-H25	10	10	10	25	4	R2
EPRN-12R0.5-100A12-4T-H30	12	12	12	30	4	R0.5

硬质合金铣刀 Carbide End Mill

EPRN 通用型R角刀（加长款）
Type-EP R-corner End Mill For General（lengthening）

UP4230

型号 Specification	DC	DCON	LF	APMX	ZEFP	RE/CHW
EPRN-12R0.5-150A12-4T-H48	12	12	150	48	4	R0.5
EPRN-12R1-100A12-4T-H30	12	12	100	30	4	R1
EPRN-12R1-150A12-4T-H48	12	12	150	48	4	R1
EPRN-12R1.5-100A12-4T-H30	12	12	100	30	4	R1.5
EPRN-12R2-100A12-4T-H30	12	12	100	30	4	R2
EPRN-16R1-150A16-4T-H50	16	16	150	50	4	R1
EPRN-16R2-150A16-4T-H50	16	16	150	50	4	R2

产品系列 Specification \ 工件材料 Work Piece	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium Alloy	铸铁 Cast iron	不锈钢 Stainless Steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy	石墨 Graphite
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%	
EPRN	■	■	■	■	■	■	◆	□								

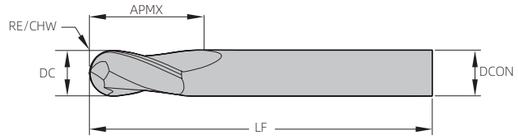
适用：■最佳 ◆适用 □能用　　Suit: ■Excellent ◆Good □OK

硬质合金铣刀 Carbide End Mill

EPB 通用型球刀
Type-EP Ball End Mill For General

UP4230





1.单位：mm　　1.Unit：mm

■适宜加工HRC55°以下的PMK类材料，粗铣、精铣两用，规格齐全，用途广泛。

■Suitable for processing PMK materials below HRC55 °, rough milling, fine milling dual-use, complete specifications, widely used.



型号 Specification	DC	DCON	LF	APMX	ZEFP	RE/CHW
EPB-1R0.5-50A4-2T-H2	1	4	50	2	2	R0.5
EPB-1.5R0.75-50A4-2T-H3	1.5	4	50	3	2	R0.75
EPB-2R1-50A4-2T-H4	2	4	50	4	2	R1
EPB-2R1-50A6-2T-H4	2	6	50	4	2	R1
EPB-2.5R1.25-50A4-2T-H5	2.5	4	50	5	2	R1.25
EPB-3R1.5-50A4-2T-H6	3	4	50	6	2	R1.5
EPB-3R1.5-50A6-2T-H6	3	6	50	6	2	R1.5
EPB-3.5R1.75-50A4-2T-H7	3.5	4	50	7	2	R1.75
EPB-4R2-50A4-2T-H8	4	4	50	8	2	R2
EPB-4R2-50A6-2T-H8	4	6	50	8	2	R2
EPB-4.5R2.25-50A6-2T-H9	4.5	6	50	9	2	R2.25
EPB-5R2.5-50A6-2T-H10	5	6	50	10	2	R2.5
EPB-5.5R2.75-50A6-2T-H11	5.5	6	50	11	2	R2.75
EPB-6R3-50A6-2T-H12	6	6	50	12	2	R3
EPB-7R3.5-60A8-2T-H14	7	8	60	14	2	R3.5
EPB-8R4-60A8-2T-H16	8	8	60	16	2	R4
EPB-9R4.5-75A10-2T-H18	9	10	75	18	2	R4.5
EPB-10R5-75A10-2T-H20	10	10	75	20	2	R5
EPB-11R5.5-75A12-2T-H22	11	12	75	22	2	R5.5
EPB-12R6-75A12-2T-H24	12	12	75	24	2	R6
EPB-13R6.5-100A14-2T-H26	13	14	100	26	2	R6.5
EPB-14R7-100A14-2T-H28	14	14	100	28	2	R7
EPB-15R7.5-100A16-2T-H30	15	16	100	30	2	R7.5
EPB-16R8-100A16-2T-H32	16	16	100	32	2	R8

产品系列 Specification \ 工件材料 Work Piece	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium Alloy	铸铁 Cast iron	不锈钢 Stainless Steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy	石墨 Graphite
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%	
EPB	■	■	■	■	■	■	◆	□								

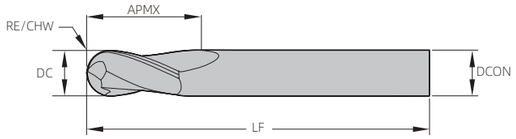
适用：■最佳 ◆适用 □能用　　Suit: ■Excellent ◆Good □OK

硬质合金铣刀 Carbide End Mill

EPB 通用型球刀(加长款)
Type-EP Ball End Mill For General（lengthening）

UP4230





1.单位：mm　　1.Unit：mm

■适宜加工HRC55°以下的PMK类材料，粗铣、精铣两用，规格齐全，用途广泛。

■Suitable for processing PMK materials below HRC55 ° , rough milling, fine milling dual-use, complete specifications, widely used.

Al | A h6 | 35° | B

型号 Specification	DC	DCON	LF	APMX	ZEFP	RE/CHW
EPB-1R0.5-75A4-2T-H2	1	4	75	2	2	R0.5
EPB-1.5R0.75-75A4-2T-H3	1.5	4	75	3	2	R0.75
EPB-2R1-75A4-2T-H4	2	4	75	4	2	R1
EPB-2R1-75A6-2T-H4	2	6	75	4	2	R1
EPB-2.5R1.25-75A4-2T-H5	2.5	4	75	5	2	R1.25
EPB-3R1.5-75A4-2T-H6	3	4	75	6	2	R1.5
EPB-3R1.5-75A6-2T-H6	3	6	75	6	2	R1.5
EPB-4R2-75A4-2T-H8	4	4	75	8	2	R2
EPB-4R2-100A4-2T-H8	4	4	100	8	2	R2
EPB-4R2-75A6-2T-H8	4	6	75	8	2	R2
EPB-5R2.5-75A6-2T-H10	5	6	75	10	2	R2.5
EPB-6R3-75A6-2T-H12	6	6	75	12	2	R3
EPB-6R3-100A6-2T-H12	6	6	100	12	2	R3
EPB-8R4-75A8-2T-H16	8	8	75	16	2	R4
EPB-8R4-100A8-2T-H16	8	8	100	16	2	R4
EPB-10R5-100A10-2T-H20	10	10	100	20	2	R5
EPB-10R5-150A10-2T-H20	10	10	150	20	2	R5
EPB-12R6-100A12-2T-H24	12	12	100	24	2	R6
EPB-12R6-150A12-2T-H24	12	12	150	24	2	R6
EPB-14R7-150A14-2T-H28	14	14	150	28	2	R7
EPB-16R8-150A16-2T-H32	16	16	150	32	2	R8

工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium Alloy	铸铁 Cast iron	不锈钢 Stainless Steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy	石墨 Graphite
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%	
EPB	■	■	■	■	■	■	◆	□								

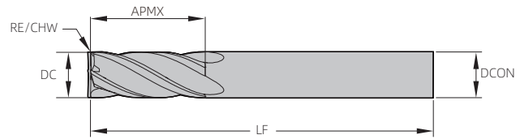
适用：■最佳　◆适用　□能用　　Suit: ■Excellent ◆Good □OK

硬质合金铣刀 Carbide End Mill

CPFN 基础型平刀
Type-CP End Mill For Basic

UP4235





1.单位：mm　　1.Unit：mm

■适宜加工HRC50°以下的PMK类材料，粗铣、精铣两用，规格齐全，用途广泛。

■Suitable for processing PMK materials below HRC50 ° , rough milling, fine milling dual-use, complete specifications, widely used.

Ti | A h6 | 45° | F

型号 Specification	DC	DCON	LF	APMX	ZEFP	RE/CHW
CPFN-1-50A4-4T-H3	1	4	50	3	4	-
CPFN-1.5-50A4-4T-H5	1.5	4	50	5	4	-
CPFN-2-50A4-4T-H6	2	4	50	6	4	-
CPFN-2.5-50A4-4T-H8	2.5	4	50	8	4	-
CPFN-3-50A4-4T-H9	3	4	50	9	4	-
CPFN-4-50A4-4T-H12	4	4	50	12	4	-
CPFN-5-50A6-4T-H13	5	6	50	13	4	-
CPFN-6-50A6-4T-H18	6	6	50	18	4	-
CPFN-8-60A8-4T-H20	8	8	60	20	4	-
CPFN-9-75A10-4T-H25	9	10	75	25	4	-
CPFN-10-75A10-4T-H25	10	10	75	25	4	-
CPFN-12-75A12-4T-H30	12	12	75	30	4	-
CPFN-14-100A14-4T-H40	14	14	100	40	4	-
CPFN-16-100A16-4T-H45	16	16	100	45	4	-

工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium Alloy	铸铁 Cast iron	不锈钢 Stainless Steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy	石墨 Graphite
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%	
CPFN	■	■	■	■	■	◆										

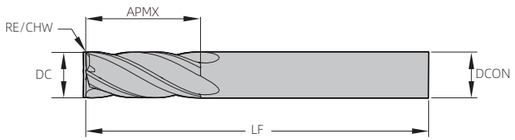
适用：■最佳　◆适用　□能用　　Suit: ■Excellent ◆Good □OK

硬质合金铣刀 Carbide End Mill

CPFN 基础型平刀（加长款）
Type-CP End Mill For Basic（lengthening）

UP4235





1.单位：mm　　1.Unit：mm

■适宜加工HRC50°以下的PMK类材料，粗铣、精铣两用，规格齐全，用途广泛。

■Suitable for processing PMK materials below HRC50 ° , rough milling, fine milling dual-use, complete specifications, widely used.

Ti | A h6 | 45° | F

型号 Specification	DC	DCON	LF	APMX	ZEFP	RE/CHW
CPFN-2-75A4-4T-H8	2	4	75	8	4	-
CPFN-3-75A4-4T-H12	3	4	75	12	4	-
CPFN-4-75A4-4T-H16	4	4	75	16	4	-
CPFN-4-100A4-4T-H16	4	4	100	16	4	-
CPFN-5-75A6-4T-H20	5	6	75	20	4	-
CPFN-5-100A6-4T-H20	5	6	100	20	4	-
CPFN-6-75A6-4T-H25	6	6	75	25	4	-
CPFN-6-100A6-4T-H25	6	6	100	25	4	-
CPFN-6-150A6-4T-H45	6	6	150	45	4	-
CPFN-8-75A8-4T-H32	8	8	75	32	4	-
CPFN-8-100A8-4T-H32	8	8	100	32	4	-
CPFN-10-100A10-4T-H40	10	10	100	40	4	-
CPFN-10-150A10-4T-H55	10	10	150	55	4	-
CPFN-12-100A12-4T-H50	12	12	100	50	4	-
CPFN-12-150A12-4T-H60	12	12	150	60	4	-
CPFN-16-150A16-4T-H65	16	16	150	65	4	-

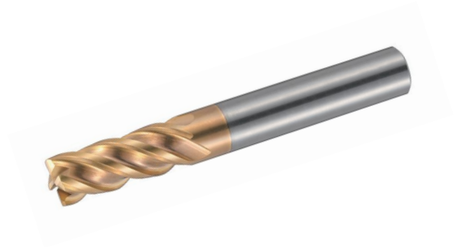
工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium Alloy	铸铁 Cast iron	不锈钢 Stainless Steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy	石墨 Graphite
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%	
CPFN	■	■	■	■	■	◆										

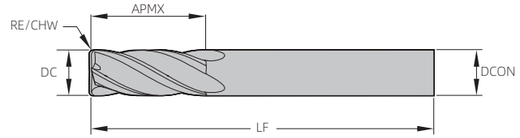
适用：■最佳　◆适用　□能用　　Suit: ■Excellent ◆Good □OK

硬质合金铣刀 Carbide End Mill

CPRN 基础型R角刀
Type-CP R-corner End Mill For Basic

UP4235





1.单位：mm　　1.Unit：mm

■适宜加工HRC50°以下的PMK类材料，粗铣、精铣两用，规格齐全，用途广泛。

■Suitable for processing PMK materials below HRC50 ° , rough milling, fine milling dual-use, complete specifications, widely used.

Ti | A h6 | 45° | R

型号 Specification	DC	DCON	LF	APMX	ZEFP	RE/CHW
CPRN-1R0.1-50A4-4T-H3	1	4	50	3	4	R0.1
CPRN-1R0.2-50A4-4T-H3	1	4	50	3	4	R0.2
CPRN-1.5R0.1-50A4-4T-H4	1.5	4	50	4	4	R0.1
CPRN-1.5R0.2-50A4-4T-H4.5	1.5	4	50	4.5	4	R0.2
CPRN-2R0.1-50A4-4T-H5	2	4	50	5	4	R0.1
CPRN-2R0.2-50A4-4T-H5	2	4	50	5	4	R0.2
CPRN-2.5R0.2-50A4-4T-H5	2.5	4	50	7	4	R0.2
CPRN-3R0.2-50A4-4T-H8	3	4	50	8	4	R0.2
CPRN-3R0.3-50A4-4T-H9	3	4	50	9	4	R0.3
CPRN-3R0.5-50A4-4T-H8	3	4	50	8	4	R0.5
CPRN-3R1-50A4-4T-H8	3	4	50	8	4	R1
CPRN-4R0.2-50A4-4T-H10	4	4	50	10	4	R0.2
CPRN-4R0.5-50A4-4T-H10	4	4	50	10	4	R0.5
CPRN-4R1-50A4-4T-H10	4	4	50	10	4	R1
CPRN-4R1.5-50A4-4T-H10	4	4	50	10	4	R1.5
CPRN-5R0.2-50A6-4T-H13	5	6	50	13	4	R0.2
CPRN-5R0.5-50A6-4T-H13	5	6	50	13	4	R0.5
CPRN-5R1-50A6-4T-H13	5	6	50	13	4	R1
CPRN-6R0.1-50A6-4T-H15	6	6	50	15	4	R0.1
CPRN-6R0.2-50A6-4T-H15	6	6	50	15	4	R0.2
CPRN-6R0.5-50A6-4T-H15	6	6	50	15	4	R0.5
CPRN-6R1-50A6-4T-H15	6	6	50	15	4	R1
CPRN-6R1.5-50A6-4T-H15	6	6	50	15	4	R1.5
CPRN-6R2-50A6-4T-H15	6	6	50	15	4	R2
CPRN-8R0.2-60A8-4T-H20	8	8	60	20	4	R0.2
CPRN-8R0.5-60A8-4T-H20	8	8	60	20	4	R0.5
CPRN-8R1-60A8-4T-H20	8	8	60	20	4	R1
CPRN-8R1.5-60A8-4T-H20	8	8	60	20	4	R1.5
CPRN-8R2-60A8-4T-H20	8	8	60	20	4	R2
CPRN-8R3-60A8-4T-H20	8	8	60	20	4	R3
CPRN-10R0.2-75A10-4T-H25	10	10	75	25	4	R0.2
CPRN-10R0.5-75A10-4T-H25	10	10	75	25	4	R0.5
CPRN-10R1-75A10-4T-H25	10	10	75	25	4	R1
CPRN-10R1.5-75A10-4T-H25	10	10	75	25	4	R1.5
CPRN-10R2-75A10-4T-H25	10	10	75	25	4	R2
CPRN-10R3-75A10-4T-H25	10	10	75	25	4	R3
CPRN-12R0.2-75A12-4T-H30	12	12	75	30	4	R0.2
CPRN-12R0.5-75A12-4T-H30	12	12	75	30	4	R0.5
CPRN-12R1-75A12-4T-H30	12	12	75	30	4	R1
CPRN-12R1.5-75A12-4T-H30	12	12	75	30	4	R1.5
CPRN-12R2-75A12-4T-H30	12	12	75	30	4	R2

硬质合金铣刀 Carbide End Mill

CPRN | 基础型R角刀
Type-CP R-corner End Mill For Basic

UP4235

型号 Specification	DC	DCON	LF	APMX	ZEFP	RE/CHW
CPRN-12R3-75A12-4T-H30	12	12	75	30	4	R3
CPRN-16R0.5-100A16-4T-H36	16	16	100	36	4	R0.5
CPRN-16R1-100A16-4T-H36	16	16	100	36	4	R1
CPRN-16R1.5-100A16-4T-H36	16	16	100	36	4	R1.5
CPRN-16R2-100A16-4T-H36	16	16	100	36	4	R2
CPRN-16R3-100A16-4T-H36	16	16	100	36	4	R3

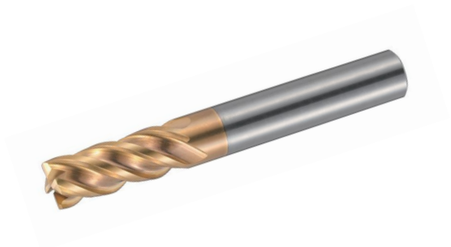
工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium Alloy	铸铁 Cast iron	不锈钢 Stainless Steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy	石墨 Graphite
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%	
CPRN	■	■	■	■	■	◆										

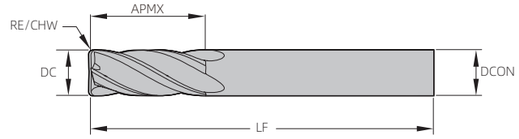
适用： ■最佳 ◆适用 □能用　　Suit: ■Excellent ◆Good □OK

硬质合金铣刀 Carbide End Mill

CPRN | 基础型R角刀（加长款）
Type-CP R-corner End Mill For Basic（lengthening）

UP4235





1.单位：mm　　1.Unit：mm

■适宜加工HRC50°以下的PMK类材料，粗铣、精铣两用，规格齐全，用途广泛。

■Suitable for processing PMK materials below HRC50°, rough milling, fine milling dual-use, complete specifications, widely used.



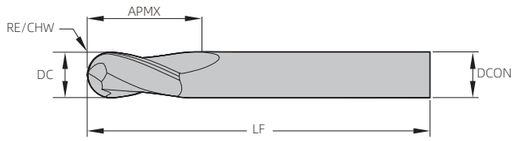
型号 Specification	DC	DCON	LF	APMX	ZEFP	RE/CHW
CPRN-1R0.2-75A4-4T-H3	1	4	75	3	4	R0.2
CPRN-2R0.2-75A4-4T-H6	2	4	75	6	4	R0.2
CPRN-3R0.2-75A4-4T-H8	3	4	75	8	4	R0.2
CPRN-4R0.2-75A4-4T-H10	4	4	75	10	4	R0.2
CPRN-4R0.5-75A4-4T-H10	4	4	75	10	4	R0.5
CPRN-4R0.5-100A4-4T-H10	4	4	100	10	4	R0.5
CPRN-4R1-75A4-4T-H10	4	4	75	10	4	R1
CPRN-4R1-100A4-4T-H10	4	4	100	10	4	R1
CPRN-5R0.2-75A6-4T-H13	5	6	75	13	4	R0.2
CPRN-5R0.5-75A6-4T-H13	5	6	75	13	4	R0.5
CPRN-5R0.5-100A6-4T-H13	5	6	100	13	4	R0.5
CPRN-5R1-75A6-4T-H13	5	6	75	13	4	R1
CPRN-5R1-100A6-4T-H13	5	6	100	13	4	R1
CPRN-6R0.2-75A6-4T-H15	6	6	75	15	4	R0.2
CPRN-6R0.5-75A6-4T-H15	6	6	75	15	4	R0.5
CPRN-6R0.5-100A6-4T-H15	6	6	100	15	4	R0.5
CPRN-6R1-75A6-4T-H15	6	6	75	15	4	R1
CPRN-6R1-100A6-4T-H15	6	6	100	15	4	R1
CPRN-8R0.2-75A8-4T-H20	8	8	75	20	4	R0.2
CPRN-8R0.2-100A8-4T-H20	8	8	100	20	4	R0.2
CPRN-8R0.5-75A8-4T-H20	8	8	75	20	4	R0.5
CPRN-8R0.5-100A8-4T-H20	8	8	100	20	4	R0.5
CPRN-8R1-75A8-4T-H20	8	8	75	20	4	R1
CPRN-8R1-100A8-4T-H20	8	8	100	20	4	R1
CPRN-8R2-75A8-4T-H20	8	8	75	20	4	R2
CPRN-10R0.2-100A10-4T-H25	10	10	100	25	4	R0.2
CPRN-10R0.5-100A10-4T-H25	10	10	100	25	4	R0.5
CPRN-10R0.5-150A10-4T-H40	10	10	150	40	4	R0.5
CPRN-10R1-100A10-4T-H25	10	10	100	25	4	R1
CPRN-10R1-150A10-4T-H40	10	10	150	40	4	R1
CPRN-10R2-100A10-4T-H25	10	10	100	25	4	R2
CPRN-12R0.2-100A12-4T-H30	12	12	100	30	4	R0.2
CPRN-12R0.5-100A12-4T-H30	12	12	100	30	4	R0.5
CPRN-12R0.5-150A12-4T-H48	12	12	150	48	4	R0.5
CPRN-12R1-100A12-4T-H30	12	12	100	30	4	R1
CPRN-12R1-150A12-4T-H48	12	12	150	48	4	R1
CPRN-12R2-100A12-4T-H30	12	12	100	30	4	R2

硬质合金铣刀 Carbide End Mill

CPB 基础型球刀
Type-CP Ball End Mill For Basic

UP4235





1.单位：mm　　1.Unit：mm

■适宜加工HRC50°以下的PMK类材料，粗铣、精铣两用，规格齐全，用途广泛。

■Suitable for processing PMK materials below HRC50 ° , rough milling, fine milling dual-use, complete specifications, widely used.

Ti　A h6　35°　B

型号 Specification	DC	DCON	LF	APMX	ZEFP	RE/CHW
CPB-1R0.5-50A4-2T-H2	1	4	50	2	2	R0.5
CPB-1.5R0.75-50A4-2T-H3	1.5	4	50	3	2	R0.75
CPB-2R1-50A4-2T-H4	2	4	50	4	2	R1
CPB-2.5R1.25-50A4-2T-H5	2.5	4	50	5	2	R1.25
CPB-3R1.5-50A4-2T-H6	3	4	50	6	2	R1.5
CPB-3.5R1.75-50A4-2T-H7	3.5	4	50	7	2	R1.75
CPB-4R2-50A4-2T-H8	4	4	50	8	2	R2
CPB-5R2.5-50A6-2T-H10	5	6	50	10	2	R2.5
CPB-6R3-50A6-2T-H12	6	6	50	12	2	R3
CPB-8R4-60A8-2T-H16	8	8	60	16	2	R4
CPB-10R5-75A10-2T-H20	10	10	75	20	2	R5
CPB-12R6-75A12-2T-H24	12	12	75	24	2	R6
CPB-14R7-100A14-2T-H28	14	14	100	28	2	R7
CPB-16R8-100A16-2T-H32	16	16	100	32	2	R8

产品系列 Specification \ 工件材料 Work Piece	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium Alloy	铸铁 Cast iron	不锈钢 Stainless Steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy	石墨 Graphite
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%	
CPB	■	■	■	■	■	◆										

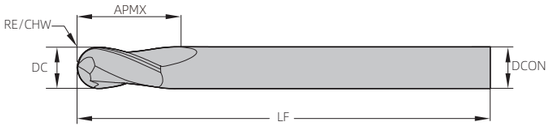
适用：■最佳　◆适用　□能用　　Suit: ■Excellent ◆Good □OK

硬质合金铣刀 Carbide End Mill

CPB 基础型球刀（加长款）
Type-CP Ball End Mill For Basic （lengthening）

UP4235





1.单位：mm　　1.Unit：mm

■适宜加工HRC50°以下的PMK类材料，粗铣、精铣两用，规格齐全，用途广泛。

■Suitable for processing PMK materials below HRC50 ° , rough milling, fine milling dual-use, complete specifications, widely used.

Ti　A h6　35°　B

型号 Specification	DC	DCON	LF	APMX	ZEFP	RE/CHW
CPB-1R0.5-75A4-2T-H2	1	4	75	2	2	R0.5
CPB-1.5R0.75-75A4-2T-H3	1.5	4	75	3	2	R0.75
CPB-2R1-75A4-2T-H4	2	4	75	4	2	R1
CPB-2.5R1.25-75A4-2T-H5	2.5	4	75	5	2	R1.25
CPB-3R1.5-75A4-2T-H6	3	4	75	6	2	R1.5
CPB-4R2-75A4-2T-H8	4	4	75	8	2	R2
CPB-4R2-100A4-2T-H8	4	4	100	8	2	R2
CPB-5R2.5-75A6-2T-H10	5	6	75	10	2	R2.5
CPB-6R3-75A6-2T-H12	6	6	75	12	2	R3
CPB-6R3-100A6-2T-H12	6	6	100	12	2	R3
CPB-8R4-75A8-2T-H16	8	8	75	16	2	R4
CPB-8R4-100A8-2T-H16	8	8	100	16	2	R4
CPB-10R5-100A10-2T-H20	10	10	100	20	2	R5
CPB-10R5-150A10-2T-H20	10	10	150	20	2	R5
CPB-12R6-100A12-2T-H24	12	12	100	24	2	R6
CPB-12R6-150A12-2T-H24	12	12	150	24	2	R6
CPB-16R8-150A16-2T-H32	16	16	150	32	2	R8

产品系列 Specification \ 工件材料 Work Piece	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium Alloy	铸铁 Cast iron	不锈钢 Stainless Steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy	石墨 Graphite
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%	
CPB	■	■	■	■	■	◆										

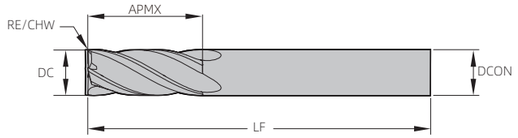
适用：■最佳　◆适用　□能用　　Suit: ■Excellent ◆Good □OK

硬质合金铣刀 Carbide End Mill

CNFU | 基础型铝用平刀
Type-CNFU Flat For Aluminum Alloy Of Basic

E430





1.单位：mm　　1.Unit：mm

■CNFU铝合金铣刀，同时具备不等螺旋，不等导程，不等切削刃的三不等设计！强化的切削刃可适用大多数铝、铸铝和铝合金的加工场景！

■CNFU aluminum alloy milling cutter, at the same time with unequal spiral, unequal lead, unequal cutting edge of the three unequal design! Enhanced cutting edge for most aluminum, cast aluminum and aluminum alloy processing scenarios!

N　A h6　42°　F

型号 Specification	DC	DCON	LF	APMX	ZEFP	RE/CHW
CNFU-1-50A4-3T-H3	1	4	50	3	3	-
CNFU-1.5-50A4-3T-H4.5	1.5	4	50	4.5	3	-
CNFU-2-50A4-3T-H6	2	4	50	6	3	-
CNFU-2.5-50A4-3T-H7.5	2.5	4	50	7.5	3	-
CNFU-3-50A4-3T-H9	3	4	50	9	3	-
CNFU-4-50A4-3T-H12	4	4	50	12	3	-
CNFU-4-75A4-3T-H16	4	4	75	16	3	-
CNFU-4-100A4-3T-H16	4	4	100	16	3	-
CNFU-3-50A6-3T-H9	3	6	50	9	3	-
CNFU-4-50A6-3T-H12	4	6	50	12	3	-
CNFU-5-50A6-3T-H15	5	6	50	15	3	-
CNFU-5-75A6-3T-H20	5	6	75	20	3	-
CNFU-5-100A6-3T-H20	5	6	100	20	3	-
CNFU-6-50A6-3T-H18	6	6	50	18	3	-
CNFU-6-75A6-3T-H24	6	6	75	24	3	-
CNFU-6-100A6-3T-H24	6	6	100	24	3	-
CNFU-6-150A6-3T-H45	6	6	150	45	3	-
CNFU-7-60A8-3T-H21	7	8	60	21	3	-
CNFU-8-60A8-3T-H24	8	8	60	24	3	-
CNFU-8-75A8-3T-H32	8	8	75	32	3	-
CNFU-8-100A8-3T-H32	8	8	100	32	3	-
CNFU-8-150A8-3T-H50	8	8	150	50	3	-
CNFU-10-75A10-3T-H30	10	10	75	30	3	--
CNFU-10-100A10-3T-H40	10	10	100	40	3	-
CNFU-10-150A10-3T-H55	10	10	150	55	3	-
CNFU-12-75A12-3T-H36	12	12	75	36	3	-
CNFU-12-100A12-3T-H45	12	12	100	45	3	-
CNFU-12-150A12-3T-H60	12	12	150	60	3	-
CNFU-14-100A14-3T-H45	14	14	100	45	3	-
CNFU-16-100A16-3T-H45	16	16	100	45	3	-
CNFU-16-150A16-3T-H65	16	16	150	65	3	-

产品系列 Specification \ 工件材料 Work Piece	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium Alloy	铸铁 Cast iron	不锈钢 Stainless Steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy	石墨 Graphite
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%	
CNFU										■			◆			

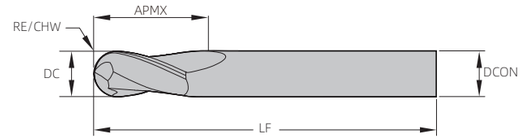
适用：■最佳　◆适用　□能用　　Suit: ■Excellent ◆Good □OK

硬质合金铣刀 Carbide End Mill

CNB | 基础型铝用球刀
Type-CNB Ball For Aluminum Alloy Of Basic

E430





1.单位：mm　　1.Unit：mm

■CNB铝合金铣刀，同时具备不等螺旋，不等导程，不等切削刃的三不等设计！强化的切削刃可适用大多数铝、铸铝和铝合金的加工场景！

■CNB aluminum alloy milling cutter, at the same time with unequal spiral, unequal lead, unequal cutting edge of the three unequal design! Enhanced cutting edge for most aluminum, cast aluminum and aluminum alloy processing scenarios!

N　A h6　42°　B

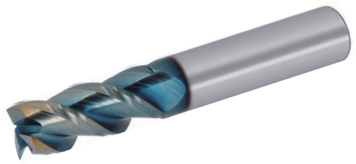
型号 Specification	DC	DCON	LF	APMX	ZEFP	RE/CHW
CNB-1R0.5-50A4-2T-H2	1	4	50	2	2	R0.5
CNB-1.5R0.75-50A4-2T-H3	1.5	4	50	3	2	R0.75
CNB-2R1-50A4-2T-H4	2	4	50	4	2	R1
CNB-2.5R1.25-50A4-2T-H5	2.5	4	50	5	2	R1.25
CNB-3R1.5-50A4-2T-H6	3	4	50	6	2	R1.5
CNB-3.5R1.75-50A4-2T-H7	3.5	4	50	7	2	R1.75
CNB-4R2-50A4-2T-H8	4	4	50	8	2	R2
CNB-5R2.5-50A6-2T-H10	5	6	50	10	2	R2.5
CNB-6R3-50A6-2T-H12	6	6	50	12	2	R3
CNB-8R4-60A8-2T-H16	8	8	60	16	2	R4
CNB-10R5-75A10-2T-H20	10	10	75	20	2	R5
CNB-12R6-75A12-2T-H24	12	12	75	24	2	R6
CNB-16R8-100A16-2T-H32	16	16	100	32	2	R8

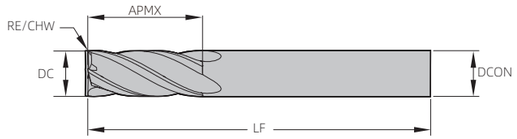
产品系列 Specification \ 工件材料 Work Piece	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium Alloy	铸铁 Cast iron	不锈钢 Stainless Steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy	石墨 Graphite
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%	
CNB										■			◆			

适用：■最佳　◆适用　□能用　　Suit: ■Excellent ◆Good □OK

硬质合金铣刀 Carbide End Mill

NFAC | 铝用平刀
Type-NFAC Flat For Aluminum Alloy





1.单位: mm　　1.Unit: mm
2.DC≤12 公差0-0.015，DC＞12 公差0-0.02
2.Tolerance: 0-0.015 when DC ≤ 12; 0-0.02 when DC ＞ 12

■可适用纯铝、6063铝的加工。
■Suitable for machining pure aluminum and 6063 aluminum.

TAC | A h6 | 45° | F

型号 Specification	DC	DCON	LF	APMX	ZEFP	RE/CHW
NFAC-1-50A4-3T-H3	1	4	50	3	3	-
NFAC-1.5-50A4-3T-H4.5	1.5	4	50	4.5	3	-
NFAC-2-50A4-3T-H6	2	4	50	6	3	-
NFAC-2.5-50A4-3T-H7	2.5	4	50	7	3	-
NFAC-3-50A4-3T-H8	3	4	50	8	3	-
NFAC-4-50A4-3T-H11	4	4	50	11	3	-
NFAC-5-50A6-3T-H13	5	6	50	13	3	-
NFAC-6-50A6-3T-H15	6	6	50	15	3	-
NFAC-8-60A8-3T-H20	8	8	60	20	3	-
NFAC-10-75A10-3T-H25	10	10	75	25	3	-
NFAC-10-75A10-3T-H30	10	10	75	30	3	-
NFAC-12-75A12-3T-H30	12	12	75	30	3	-
NFAC-16-100A16-3T-H40	16	16	100	40	3	-
NFAC-20-100A20-3T-H40	20	20	100	40	3	-

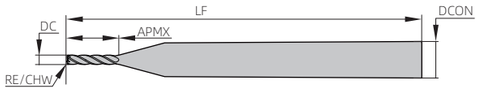
工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium Alloy	铸铁 Cast iron	不锈钢 Stainless Steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy	石墨 Graphite
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%	
NFAC										■						

适用：■最佳　◆适用　□能用　　Suit: ■Excellent ◆Good □OK

硬质合金铣刀 Carbide End Mill

NFAC | 铝用平刀（微径）
Type-NFAC Flat For Aluminum Alloy(Micro)





1.单位: mm　　1.Unit: mm
2.DC≤1 公差0-0.005　　2.Tolerance: 0-0.005 when DC ≤ 1

■可适用纯铝、6063铝的加工。
■Suitable for machining pure aluminum and 6063 aluminum.

TAC | A h6 | 35° | F

型号 Specification	DC	DCON	LF	APMX	ZEFP	RE/CHW
NFAC-0.2-50A4-2T-H0.4	0.2	4	50	0.4	2	-
NFAC-0.3-50A4-2T-H0.6	0.3	4	50	0.6	2	-
NFAC-0.4-50A4-2T-H0.8	0.4	4	50	0.8	2	-
NFAC-0.5-50A4-2T-H1	0.5	4	50	1	2	-
NFAC-0.6-50A4-2T-H1.2	0.6	4	50	1.2	2	-
NFAC-0.7-50A4-2T-H1.4	0.7	4	50	1.4	2	-
NFAC-0.8-50A6-2T-H1.6	0.8	6	50	1.6	2	-
NFAC-0.9-50A6-2T-H1.8	0.9	6	50	1.8	2	-

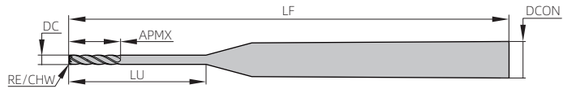
工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium Alloy	铸铁 Cast iron	不锈钢 Stainless Steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy	石墨 Graphite
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%	
NFAC										■						

适用：■最佳　◆适用　□能用　　Suit: ■Excellent ◆Good □OK

硬质合金铣刀 Carbide End Mill

NFAC | 铝用平刀(长颈)
Type-NFAC Flat For Aluminum Alloy(Long Neck)





1.单位: mm
2.DC≤1 公差0-0.005
3.颈部直径DC-0.08~-0.1

1.Unit: mm
2.DC ≤ 1, tolerance 0 - 0.005
3.Neck diameter DC: -0.08 ~ -0.1

■可适用纯铝、6063铝的加工。
■Suitable for machining pure aluminum and 6063 aluminum.



型号 Specification	DC	DCON	LF	APMX	LU	ZEFP
NFAC-0.2-50A4-2T-H0.4L1	0.2	4	50	0.4	1	2
NFAC-0.2-50A4-2T-H0.4L2	0.2	4	50	0.4	2	2
NFAC-0.2-50A4-2T-H0.4L3	0.2	4	50	0.4	3	2
NFAC-0.3-50A4-2T-H0.6L1	0.3	4	50	0.6	1	2
NFAC-0.3-50A4-2T-H0.6L2	0.3	4	50	0.6	2	2
NFAC-0.3-50A4-2T-H0.6L3	0.3	4	50	0.6	3	2
NFAC-0.3-50A4-2T-H0.6L4	0.3	4	50	0.6	4	2
NFAC-0.3-50A4-2T-H0.6L5	0.3	4	50	0.6	5	2
NFAC-0.3-50A4-2T-H0.6L6	0.3	4	50	0.6	6	2
NFAC-0.4-50A4-2T-H0.6L2	0.4	4	50	0.6	2	2
NFAC-0.4-50A4-2T-H0.6L3	0.4	4	50	0.6	3	2
NFAC-0.4-50A4-2T-H0.6L4	0.4	4	50	0.6	4	2
NFAC-0.4-50A4-2T-H0.6L5	0.4	4	50	0.6	5	2
NFAC-0.4-50A4-2T-H0.6L6	0.4	4	50	0.6	6	2
NFAC-0.5-50A4-2T-H0.8L2	0.5	4	50	0.8	2	2
NFAC-0.5-50A4-2T-H0.8L3	0.5	4	50	0.8	3	2
NFAC-0.5-50A4-2T-H0.8L4	0.5	4	50	0.8	4	2
NFAC-0.5-50A4-2T-H0.8L6	0.5	4	50	0.8	6	2
NFAC-0.5-50A4-2T-H0.8L8	0.5	4	50	0.8	8	2
NFAC-0.6-50A4-2T-H1L2	0.6	4	50	1	2	2
NFAC-0.6-50A4-2T-H1L3	0.6	4	50	1	3	2
NFAC-0.6-50A4-2T-H1L4	0.6	4	50	1	4	2
NFAC-0.6-50A4-2T-H1L6	0.6	4	50	1	6	2
NFAC-0.6-50A4-2T-H1L8	0.6	4	50	1	8	2
NFAC-0.7-50A4-2T-H1.1L2	0.7	4	50	1.1	2	2
NFAC-0.7-50A4-2T-H1.1L3	0.7	4	50	1.1	3	2
NFAC-0.7-50A4-2T-H1.1L4	0.7	4	50	1.1	4	2
NFAC-0.7-50A4-2T-H1.1L6	0.7	4	50	1.1	6	2
NFAC-0.8-50A4-2T-H1.2L2	0.8	4	50	1.2	2	2
NFAC-0.8-50A4-2T-H1.2L3	0.8	4	50	1.2	3	2
NFAC-0.8-50A4-2T-H1.2L4	0.8	4	50	1.2	4	2
NFAC-0.8-50A4-2T-H1.2L6	0.8	4	50	1.2	6	2
NFAC-0.8-50A4-2T-H1.2L8	0.8	4	50	1.2	8	2
NFAC-0.9-50A4-2T-H1.4L4	0.9	4	50	1.4	4	2
NFAC-0.9-50A4-2T-H1.4L6	0.9	4	50	1.4	6	2
NFAC-0.9-50A4-2T-H1.4L8	0.9	4	50	1.4	8	2
NFAC-1-50A4-4T-H1.2L6	1	4	50	1.2	6	4
NFAC-1-50A4-4T-H1.2L8	1	4	50	1.2	8	4
NFAC-1-50A4-4T-H1.2L10	1	4	50	1.2	10	4
NFAC-1.2-50A4-4T-H2.4L6	1.2	4	50	2.4	6	4
NFAC-1.2-50A4-2T-H2.4L10	1.2	4	50	2.4	10	2

硬质合金铣刀 Carbide End Mill

NFAC | 铝用平刀(长颈)
Type-NFAC Flat For Aluminum Alloy(Long Neck)

整体圆柄刀具
Solid Round Tools

型号 Specification	DC	DCON	LF	APMX	LU	ZEFP
NFAC-1.5-50A4-2T-H1.8L6	1.5	4	50	1.8	6	2
NFAC-1.5-50A4-2T-H1.8L8	1.5	4	50	1.8	8	2
NFAC-1.5-50A4-2T-H1.8L10	1.5	4	50	1.8	10	2
NFAC-1.5-50A4-2T-H2.4L12	1.5	4	50	2.4	12	2
NFAC-2-50A4-2T-H2.4L10	2	4	50	2.4	10	2
NFAC-2-50A4-2T-H2.4L12	2	4	50	2.4	12	2
NFAC-2-50A4-2T-H2.4L16	2	4	50	2.4	16	2
NFAC-2.5-50A4-2T-H3.6L12	2.5	4	50	3.6	12	2
NFAC-2.5-50A4-2T-H3.6L16	2.5	4	50	3.6	16	2
NFAC-3-50A4-2T-H3.6L12	3	4	50	3.6	12	2
NFAC-3-50A4-2T-H3.6L16	3	4	50	3.6	16	2

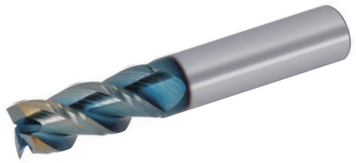
工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminum Alloy	铸铁 Cast iron	不锈钢 Stainless Steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy	石墨 Graphite
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%	
NFAC										■						

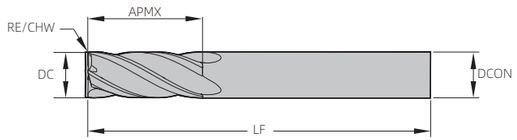
适用： ■最佳 ◆适用 □能用

Suit: ■Excellent ◆Good □OK

硬质合金铣刀 Carbide End Mill

NRAC | 铝用R角刀
Type-NRAC R-corner For Aluminum Alloy





1.单位: mm　　1.Unit: mm
2.DC≤12 公差0-0.015，DC＞12 公差0-0.02
2.Tolerance: 0-0.015 when DC ≤ 12; 0-0.02 when DC ＞ 12

■可适用纯铝、6063铝的加工。
■Suitable for machining pure aluminum and 6063 aluminum.

TAC | A h6 | 30° | R

型号 Specification	DC	DCON	LF	APMX	ZEFP	RE/CHW
NRAC-1R0.1-50A4-3T-H3	1	4	50	3	3	R0.1
NRAC-1R0.2-50A4-3T-H3	1	4	50	3	3	R0.2
NRAC-1.5R0.1-50A4-3T-H4.5	1.5	4	50	4.5	3	R0.1
NRAC-1.5R0.2-50A4-3T-H4.5	1.5	4	50	4.5	3	R0.2
NRAC-2R0.1-50A4-3T-H6	2	4	50	6	3	R0.1
NRAC-2R0.2-50A4-3T-H6	2	4	50	6	3	R0.2
NRAC-2R0.3-50A4-3T-H6	2	4	50	6	3	R0.3
NRAC-2R0.5-50A4-3T-H6	2	4	50	6	3	R0.5
NRAC-3R0.2-50A4-3T-H8	3	4	50	8	3	R0.2
NRAC-3R0.3-50A4-3T-H8	3	4	50	8	3	R0.3
NRAC-3R0.5-50A4-3T-H8	3	4	50	8	3	R0.5
NRAC-3R1-50A4-3T-H8	3	4	50	8	3	R1
NRAC-4R0.2-50A4-3T-H11	4	4	50	11	3	R0.2
NRAC-4R0.3-50A4-3T-H11	4	4	50	11	3	R0.3
NRAC-4R0.5-50A4-3T-H11	4	4	50	11	3	R0.5
NRAC-4R1-50A4-3T-H11	4	4	50	11	3	R1
NRAC-6R0.2-50A6-3T-H15	6	6	50	15	3	R0.2
NRAC-6R0.3-50A6-3T-H15	6	6	50	15	3	R0.3
NRAC-6R0.5-50A6-3T-H15	6	6	50	15	3	R0.5
NRAC-6R1-50A6-3T-H15	6	6	50	15	3	R1
NRAC-8R0.2-60A8-3T-H20	8	8	60	20	3	R0.2
NRAC-8R0.3-60A8-3T-H20	8	8	60	20	3	R0.3
NRAC-8R0.5-60A8-3T-H20	8	8	60	20	3	R0.5
NRAC-8R1-60A8-3T-H20	8	8	60	20	3	R1
NRAC-10R0.2-75A10-3T-H30	10	10	75	30	3	R0.2
NRAC-10R0.5-75A10-3T-H30	10	10	75	30	3	R0.5
NRAC-10R1-75A10-3T-H30	10	10	75	30	3	R1
NRAC-12R0.5-75A12-3T-H30	12	12	75	30	3	R0.5
NRAC-12R1-75A12-3T-H30	12	12	75	30	3	R1
NRAC-14R0.5-100A14-3T-H35	14	14	100	35	3	R0.5
NRAC-14R1-100A14-3T-H35	14	14	100	35	3	R1
NRAC-14R2-100A14-3T-H35	14	14	100	35	3	R2
NRAC-16R0.5-100A16-3T-H40	16	16	100	40	3	R0.5
NRAC-16R1-100A16-3T-H40	16	16	100	40	3	R1
NRAC-16R2-100A16-3T-H40	16	16	100	40	3	R2
NRAC-20R0.5-100A20-3T-H45	20	20	100	45	3	R0.5
NRAC-20R1-100A20-3T-H45	20	20	100	45	3	R1
NRAC-20R2-100A20-3T-H45	20	20	100	45	3	R2

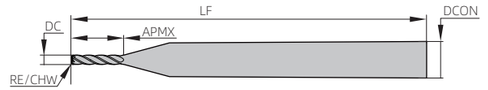
产品系列 Specification \ 工件材料 Work Piece	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminum Alloy	铸铁 Cast iron	不锈钢 Stainless Steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy	石墨 Graphite
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%	
NRAC										■						

适用：■最佳　◆适用　□能用　　Suit: ■Excellent　◆Good　□OK

硬质合金铣刀 Carbide End Mill

NRAC | 铝用R角刀（微径）
Type-NRAC R-corner For Aluminum Alloy(Micro)





1.单位: mm　　1.Unit: mm
2.DC≤1 公差0-0.005　　2.Tolerance: 0-0.005 when DC ≤ 1

■可适用纯铝、6063铝的加工。
■Suitable for machining pure aluminum and 6063 aluminum.

TAC | A h6 | 30° | R

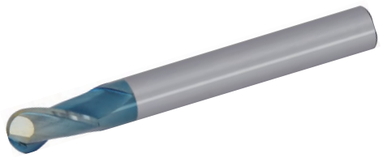
型号 Specification	DC	DCON	LF	APMX	ZEFP	RE/CHW
NRAC-0.3R0.05-50A4-3T-H0.6	0.3	4	50	0.6	3	R0.05
NRAC-0.3R0.1-50A4-3T-H0.6	0.3	4	50	0.6	3	R0.1
NRAC-0.4R0.1-50A4-3T-H0.8	0.4	4	50	0.8	3	R0.1
NRAC-0.5R0.1-50A4-3T-H1	0.5	4	50	1	3	R0.1
NRAC-0.6R0.1-50A4-3T-H1.2	0.6	4	50	1.2	3	R0.1
NRAC-0.7R0.1-50A4-3T-H1.4	0.7	4	50	1.4	3	R0.1
NRAC-0.8R0.1-50A4-3T-H1.6	0.8	4	50	1.6	3	R0.1
NRAC-0.8R0.2-50A4-3T-H1.6	0.8	4	50	1.6	3	R0.2

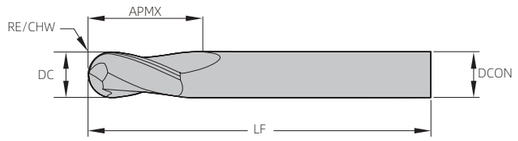
产品系列 Specification \ 工件材料 Work Piece	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminum Alloy	铸铁 Cast iron	不锈钢 Stainless Steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy	石墨 Graphite
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%	
NRAC										■						

适用：■最佳　◆适用　□能用　　Suit: ■Excellent　◆Good　□OK

硬质合金铣刀 Carbide End Mill

NBAC | 铝用球刀
Type-NBAC Ball For Aluminum Alloy





1.单位: mm　　1.Unit: mm
2.DC≤12 公差0-0.015，DC＞12 公差0-0.02
2.Tolerance: 0-0.015 when DC ≤ 12; 0-0.02 when DC ＞ 12

■可适用纯铝、6063铝的加工。
■Suitable for machining pure aluminum and 6063 aluminum.

TAC | A h6 | 30° | B

型号 Specification	DC	DCON	LF	APMX	ZEFP	RE/CHW
NBAC-1R0.5-50A4-2T-H2	1	4	50	2	2	R0.5
NBAC-1.5R0.75-50A4-2T-H3	1.5	4	50	3	2	R0.75
NBAC-2R1-50A4-2T-H4	2	4	50	4	2	R1
NBAC-2.5R1.25-50A4-2T-H5	2.5	4	50	5	2	R1.25
NBAC-3R1.5-50A4-2T-H6	3	4	50	6	2	R1.5
NBAC-3.5R1.75-50A4-2T-H7	3.5	4	50	7	2	R1.75
NBAC-4R2-50A4-2T-H8	4	4	50	8	2	R2
NBAC-5R2.5-50A6-2T-H10	5	6	50	10	2	R2.5
NBAC-6R3-50A6-2T-H12	6	6	50	12	2	R3
NBAC-8R4-60A8-2T-H16	8	8	60	16	2	R4
NBAC-10R5-75A10-2T-H20	10	10	75	20	2	R5
NBAC-12R6-75A12-2T-H24	12	12	75	24	2	R6
NBAC-16R8-100A12-2T-H32	16	12	100	32	2	R8
NBAC-20R10-100A12-2T-H36	20	12	100	36	2	R10

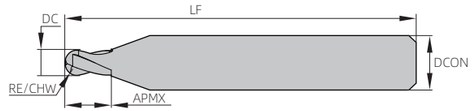
产品系列 Specification \ 工件材料 Work Piece	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium Alloy	铸铁 Cast iron	不锈钢 Stainless Steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy	石墨 Graphite
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%	
NBAC										■						

适用：■最佳　◆适用　□能用　　Suit: ■Excellent ◆Good □OK

硬质合金铣刀 Carbide End Mill

NBAC | 铝用球刀（微径）
Type-NBAC Ball For Aluminum Alloy(Micro)





1.单位: mm　　1.Unit: mm
2.DC≤1 公差0-0.005　　2.Tolerance: 0-0.005 when DC ≤ 1

■可适用纯铝、6063铝的加工。
■Suitable for machining pure aluminum and 6063 aluminum.

TAC | A h6 | 30° | B

型号 Specification	DC	DCON	LF	APMX	ZEFP	RE/CHW
NBAC-0.2R0.1-50A4-2T-H0.4	0.2	4	50	0.4	2	R0.1
NBAC-0.3R0.15-50A4-2T-H0.6	0.3	4	50	0.6	2	R0.15
NBAC-0.4R0.2-50A4-2T-H0.8	0.4	4	50	0.8	2	R0.2
NBAC-0.5R0.25-50A4-2T-H1	0.5	4	50	1	2	R0.25
NBAC-0.6R0.3-50A4-2T-H1.2	0.6	4	50	1.2	2	R0.3
NBAC-0.7R0.35-50A4-2T-H1.4	0.7	4	50	1.4	2	R0.35
NBAC-0.8R0.4-50A4-2T-H1.6	0.8	4	50	1.6	2	R0.4
NBAC-0.9R0.45-50A4-2T-H1.8	0.9	4	50	1.8	2	R0.45

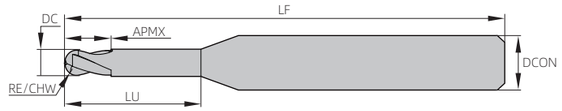
产品系列 Specification \ 工件材料 Work Piece	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium Alloy	铸铁 Cast iron	不锈钢 Stainless Steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy	石墨 Graphite
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%	
NBAC										■						

适用：■最佳　◆适用　□能用　　Suit: ■Excellent ◆Good □OK

硬质合金铣刀 Carbide End Mill

NBAC | 铝用球刀(长颈)
Type-NBAC Ball For Aluminum Alloy(Long Neck)





1.单位: mm
2.DC≤1 公差0-0.005
3.颈部直径DC-0.08~-0.1

1.Unit: mm
2.DC ≤ 1, tolerance 0 - 0.005
3.Neck diameter DC: -0.08 ~ -0.1

■可适用纯铝、6063铝的加工。
■Suitable for machining pure aluminum and 6063 aluminum.



型号 Specification	DC	DCON	LF	APMX	LU	ZEFP	RE/CHW
NBAC-0.3R0.15-50A4-2T-H0.6L1	0.3	4	50	0.6	1	2	R0.15
NBAC-0.3R0.15-50A4-2T-H0.6L2	0.3	4	50	0.6	2	2	R0.15
NBAC-0.3R0.15-50A4-2T-H0.6L3	0.3	4	50	0.6	3	2	R0.15
NBAC-0.4R0.2-50A4-2T-H0.6L2	0.4	4	50	0.6	2	2	R0.2
NBAC-0.4R0.2-50A4-2T-H0.6L3	0.4	4	50	0.6	3	2	R0.2
NBAC-0.4R0.2-50A4-2T-H0.6L4	0.4	4	50	0.6	4	2	R0.2
NBAC-0.4R0.2-50A4-2T-H0.6L6	0.4	4	50	0.6	6	2	R0.2
NBAC-0.5R0.25-50A4-2T-H0.8L2	0.5	4	50	0.8	2	2	R0.25
NBAC-0.5R0.25-50A4-2T-H0.8L3	0.5	4	50	0.8	3	2	R0.25
NBAC-0.5R0.25-50A4-2T-H0.8L4	0.5	4	50	0.8	4	2	R0.25
NBAC-0.5R0.25-50A4-2T-H0.8L6	0.5	4	50	0.8	6	2	R0.25
NBAC-0.6R0.3-50A4-2T-H1L2	0.6	4	50	1	2	2	R0.3
NBAC-0.6R0.3-50A4-2T-H1L3	0.6	4	50	1	3	2	R0.3
NBAC-0.6R0.3-50A4-2T-H1L4	0.6	4	50	1	4	2	R0.3
NBAC-0.6R0.3-50A4-2T-H1L6	0.6	4	50	1	6	2	R0.3
NBAC-0.6R0.3-50A4-2T-H1L8	0.6	4	50	1	8	2	R0.3
NBAC-0.8R0.4-50A4-2T-H1.2L2	0.8	4	50	1.2	2	2	R0.4
NBAC-0.8R0.4-50A4-2T-H1.2L3	0.8	4	50	1.2	3	2	R0.4
NBAC-0.8R0.4-50A4-2T-H1.2L4	0.8	4	50	1.2	4	2	R0.4
NBAC-0.8R0.4-50A4-2T-H1.2L6	0.8	4	50	1.2	6	2	R0.4
NBAC-0.8R0.4-50A4-2T-H1.2L8	0.8	4	50	1.2	8	2	R0.4
NBAC-1R0.5-50A4-2T-H1.2L4	1	4	50	1.2	4	2	R0.5
NBAC-1R0.5-50A4-2T-H1.2L6	1	4	50	1.2	6	2	R0.5
NBAC-1R0.5-50A4-2T-H1.2L8	1	4	50	1.2	8	2	R0.5
NBAC-1R0.5-50A4-2T-H1.2L10	1	4	50	1.2	10	2	R0.5
NBAC-1R0.5-50A4-2T-H1.2L12	1	4	50	1.2	12	2	R0.5
NBAC-1R0.5-50A4-2T-H1.2L16	1	4	50	1.2	16	2	R0.5
NBAC-1.5R0.75-50A4-2T-H1.8L4	1.5	4	50	1.8	4	2	R0.75
NBAC-1.5R0.75-50A4-2T-H1.8L6	1.5	4	50	1.8	6	2	R0.75
NBAC-1.5R0.75-50A4-2T-H1.8L8	1.5	4	50	1.8	8	2	R0.75
NBAC-1.5R0.75-50A4-2T-H1.8L10	1.5	4	50	1.8	10	2	R0.75
NBAC-1.5R0.75-50A4-2T-H1.8L12	1.5	4	50	1.8	12	2	R0.75
NBAC-2R1-50A4-2T-H2.4L6	2	4	50	2.4	6	2	R1
NBAC-2R1-50A4-2T-H2.4L8	2	4	50	2.4	8	2	R1
NBAC-2R1-50A4-2T-H2.4L10	2	4	50	2.4	10	2	R1
NBAC-2R1-50A4-2T-H2.4L12	2	4	50	2.4	12	2	R1
NBAC-2R1-50A4-2T-H2.4L16	2	4	50	2.4	16	2	R1
NBAC-3R1.5-50A4-2T-H3.6L8	3	4	50	3.6	8	2	R1.5
NBAC-3R1.5-50A4-2T-H3.6L10	3	4	50	3.6	10	2	R1.5
NBAC-3R1.5-50A4-2T-H3.6L12	3	4	50	3.6	12	2	R1.5
NBAC-3R1.5-50A4-2T-H3.6L16	3	4	50	3.6	16	2	R1.5

硬质合金铣刀 Carbide End Mill

NBAC | 铝用平刀(长颈)
Type-NFAC Flat For Aluminum Alloy(Long Neck)

型号 Specification	DC	DCON	LF	APMX	LU	ZEFP	RE/CHW
-	-	-	-	-	-	-	-

工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminum Alloy	铸铁 Cast iron	不锈钢 Stainless Steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy	石墨 Graphite
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%	
NBAC										■						

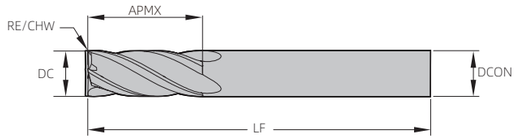
适用： ■最佳 ◆适用 □能用

Suit: ■Excellent ◆Good □OK

硬质合金铣刀 Carbide End Mill

NFCH | 石墨用平刀
Type-NFCH Flat For Graphite





1.单位: mm　　1.Unit: mm
2.DC≤12 公差0-0.015，DC＞12 公差0-0.02
2.Tolerance: 0-0.015 when DC ≤ 12; 0-0.02 when DC ＞ 12

■适宜加工石墨电极、高硅铝合金、钨铜等；
■需要注意切削温度，保证冷却!

■Suitable for machining graphite electrodes, high-silicon aluminum alloys, tungsten-copper alloys, etc.
■Attention should be paid to the cutting temperature to ensure sufficient cooling!

DLC　A h6　35°　F

型号 Specification	DC	DCON	LF	APMX	ZEFP	RE/CHW
NFCH-1-50A4-4T-H3	1	4	50	3	4	-
NFCH-1.5-50A4-4T-H4.5	1.5	4	50	4.5	4	-
NFCH-2-50A4-4T-H6	2	4	50	6	4	-
NFCH-2.5-50A4-4T-H7.5	2.5	4	50	7.5	4	-
NFCH-3-50A4-4T-H9	3	4	50	9	4	-
NFCH-3.5-50A4-4T-H10	3.5	4	50	10	4	-
NFCH-4-50A4-4T-H12	4	4	50	12	4	-
NFCH-5-50A6-4T-H15	5	6	50	15	4	-
NFCH-6-50A6-4T-H18	6	6	50	18	4	-
NFCH-8-60A8-4T-H24	8	8	60	24	4	-
NFCH-10-75A10-4T-H30	10	10	75	30	4	-
NFCH-12-75A12-4T-H30	12	12	75	30	4	-
NFCH-1-50A4-2T-H3	1	4	50	3	2	-
NFCH-1.5-50A4-2T-H4.5	1.5	4	50	4.5	2	-
NFCH-2-50A4-2T-H6	2	4	50	6	2	-
NFCH-2.5-50A4-2T-H7	2.5	4	50	7	2	-
NFCH-3-50A4-2T-H8	3	4	50	8	2	-
NFCH-3.5-50A4-2T-H10	3.5	4	50	10	2	-
NFCH-4-50A4-2T-H11	4	4	50	11	2	-
NFCH-5-50A6-2T-H13	5	6	50	13	2	-
NFCH-6-50A6-2T-H15	6	6	50	15	2	-
NFCH-7-60A8-2T-H17	7	8	60	17	2	-
NFCH-8-60A8-2T-H20	8	8	60	20	2	-
NFCH-9-75A10-2T-H23	9	10	75	23	2	-
NFCH-10-75A10-2T-H30	10	10	75	30	2	-
NFCH-12-100A12-2T-H30	12	12	100	30	2	-
NFCH-14-100A14-2T-H35	14	14	100	35	2	-
NFCH-16-100A16-2T-H40	16	16	100	40	2	-
NFCH-20-100A20-2T-H45	20	20	100	45	2	-

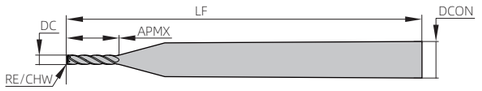
工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium Alloy	铸铁 Cast iron	不锈钢 Stainless Steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy	石墨 Graphite
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%	
NFCH										■			■			■

适用：■最佳　◆适用　□能用　　Suit: ■Excellent ◆Good □OK

硬质合金铣刀 Carbide End Mill

NFCH | 石墨用平刀（微径）
Type-NFCH Flat For Graphite(Micro)





1.单位: mm　　1.Unit: mm
2.DC≤1 公差0-0.005　　2.Tolerance: 0-0.005 when DC ≤ 1

■适宜加工石墨电极、高硅铝合金、钨铜等；
■需要注意切削温度，保证冷却!

■Suitable for machining graphite electrodes, high-silicon aluminum alloys, tungsten-copper alloys, etc.
■Attention should be paid to the cutting temperature to ensure sufficient cooling!

DLC　A h6　35°　F

型号 Specification	DC	DCON	LF	APMX	ZEFP	RE/CHW
NFCH-0.2-50A4-2T-H0.4	0.2	4	50	0.4	2	-
NFCH-0.3-50A4-2T-H0.6	0.3	4	50	0.6	2	-
NFCH-0.4-50A4-2T-H0.8	0.4	4	50	0.8	2	-
NFCH-0.5-50A4-2T-H1	0.5	4	50	1	2	-
NFCH-0.6-50A4-2T-H1.2	0.6	4	50	1.2	2	-
NFCH-0.7-50A4-2T-H1.4	0.7	4	50	1.4	2	-
NFCH-0.8-50A6-2T-H1.6	0.8	6	50	1.6	2	-
NFCH-0.9-50A6-2T-H1.8	0.9	6	50	1.8	2	-

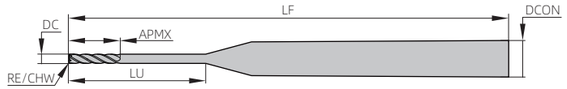
工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium Alloy	铸铁 Cast iron	不锈钢 Stainless Steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy	石墨 Graphite
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%	
NFCH										■			■			■

适用：■最佳　◆适用　□能用　　Suit: ■Excellent ◆Good □OK

硬质合金铣刀 Carbide End Mill

NFCH | 石墨用平刀(长颈)
Type-NFCH Flat For Graphite(Long Neck)





1.单位: mm
2.DC≤1 公差0-0.005
3.颈部直径DC-0.08~-0.1

1.Unit: mm
2.DC ≤ 1, tolerance 0 ~ 0.005
3.Neck diameter DC: -0.08 ~ -0.1

■适宜加工石墨电极、高硅铝合金、钨铜等;
■需要注意切削温度，保证冷却!

■Suitable for machining graphite electrodes, high-silicon aluminum alloys, tungsten-copper alloys, etc.
■Attention should be paid to the cutting temperature to ensure sufficient cooling!

DLC | A h6 | 35° | F

型号 Specification	DC	DCON	LF	APMX	LU	ZEFP
NFCH-0.2-50A4-2T-H0.4L1	0.2	4	50	0.4	1	2
NFCH-0.2-50A4-2T-H0.4L2	0.2	4	50	0.4	2	2
NFCH-0.2-50A4-2T-H0.4L3	0.2	4	50	0.4	3	2
NFCH-0.3-50A4-2T-H0.6L1	0.3	4	50	0.6	1	2
NFCH-0.3-50A4-2T-H0.6L1.5	0.3	4	50	0.6	1.5	2
NFCH-0.3-50A4-2T-H0.6L2	0.3	4	50	0.6	2	2
NFCH-0.3-50A4-2T-H0.6L3	0.3	4	50	0.6	3	2
NFCH-0.3-50A4-2T-H0.6L4	0.3	4	50	0.6	4	2
NFCH-0.3-50A4-2T-H0.6L5	0.3	4	50	0.6	5	2
NFCH-0.3-50A4-2T-H0.6L6	0.3	4	50	0.6	6	2
NFCH-0.4-50A4-2T-H0.6L2	0.4	4	50	0.6	2	2
NFCH-0.4-50A4-2T-H0.6L3	0.4	4	50	0.6	3	2
NFCH-0.4-50A4-2T-H0.6L4	0.4	4	50	0.6	4	2
NFCH-0.4-50A4-2T-H0.6L5	0.4	4	50	0.6	5	2
NFCH-0.4-50A4-2T-H0.6L6	0.4	4	50	0.6	6	2
NFCH-0.5-50A4-2T-H0.8L2	0.5	4	50	0.8	2	2
NFCH-0.5-50A4-2T-H0.8L3	0.5	4	50	0.8	3	2
NFCH-0.5-50A4-2T-H0.8L4	0.5	4	50	0.8	4	2
NFCH-0.5-50A4-2T-H0.8L6	0.5	4	50	0.8	6	2
NFCH-0.5-50A4-2T-H0.8L8	0.5	4	50	0.8	8	2
NFCH-0.6-50A4-2T-H1L2	0.6	4	50	1	2	2
NFCH-0.6-50A4-2T-H1L3	0.6	4	50	1	3	2
NFCH-0.6-50A4-2T-H1L4	0.6	4	50	1	4	2
NFCH-0.6-50A4-2T-H1L6	0.6	4	50	1	6	2
NFCH-0.6-50A4-2T-H1L8	0.6	4	50	1	8	2
NFCH-0.7-50A4-2T-H1.1L2	0.7	4	50	1.1	2	2
NFCH-0.7-50A4-2T-H1.1L3	0.7	4	50	1.1	3	2
NFCH-0.7-50A4-2T-H1.1L4	0.7	4	50	1.1	4	2
NFCH-0.7-50A4-2T-H1.1L6	0.7	4	50	1.1	6	2
NFCH-0.8-50A4-2T-H1.2L2	0.8	4	50	1.2	2	2
NFCH-0.8-50A4-2T-H1.2L3	0.8	4	50	1.2	3	2
NFCH-0.8-50A4-2T-H1.2L4	0.8	4	50	1.2	4	2
NFCH-0.8-50A4-2T-H1.2L6	0.8	4	50	1.2	6	2
NFCH-0.8-50A4-2T-H1.2L8	0.8	4	50	1.2	8	2
NFCH-0.9-50A4-2T-H1.4L4	0.9	4	50	1.4	4	2
NFCH-0.9-50A4-2T-H1.4L6	0.9	4	50	1.4	6	2
NFCH-1-50A4-4T-H1.2L4	1	4	50	1.2	4	4
NFCH-1-50A4-4T-H1.2L6	1	4	50	1.2	6	4
NFCH-1-50A4-4T-H1.2L8	1	4	50	1.2	8	4
NFCH-1-50A4-4T-H1.2L10	1	4	50	1.2	10	4
NFCH-1-50A4-4T-H1.2L12	1	4	50	1.2	12	4

硬质合金铣刀 Carbide End Mill

NFCH | 石墨用平刀(长颈)
Type-NFCH Flat For Graphite(Long Neck)

整体圆柄刀具
Solid Round Tools

型号 Specification	DC	DCON	LF	APMX	LU	ZEFP
NFCH-1.5-50A4-2T-H1.8L6	1.5	4	50	1.8	6	2
NFCH-1.5-50A4-2T-H1.8L8	1.5	4	50	1.8	8	2
NFCH-1.5-50A4-2T-H1.8L10	1.5	4	50	1.8	10	2
NFCH-1.5-50A4-2T-H1.8L12	1.5	4	50	1.8	12	2
NFCH-2-50A4-2T-H2.4L8	2	4	50	2.4	8	2
NFCH-2-50A4-2T-H2.4L10	2	4	50	2.4	10	2
NFCH-2-50A4-2T-H2.4L12	2	4	50	2.4	12	2
NFCH-3-50A4-2T-H3.6L10	3	4	50	3.6	10	2
NFCH-3-50A4-2T-H3.6L12	3	4	50	3.6	12	2

产品系列 Specification / 工件材料 Work Piece	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminum Alloy	铸铁 Cast iron	不锈钢 Stainless Steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy	石墨 Graphite
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%	
NFCH										■			■			■

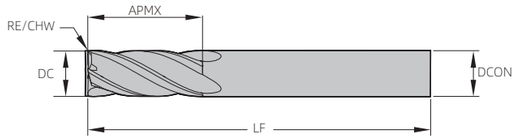
适用： ■最佳 ◆适用 □能用

Suit: ■Excellent ◆Good □OK

硬质合金铣刀 Carbide End Mill

NRCH 石墨用R角刀
Type-NRCH R-corner For Graphite





1.单位: mm 1.Unit: mm
2.DC≤12 公差0-0.015，DC＞12 公差0-0.02
2.Tolerance: 0-0.015 when DC ≤ 12; 0-0.02 when DC＞12

■适宜加工石墨电极、高硅铝合金、钨铜等；
■需要注意切削温度，保证冷却!

■Suitable for machining graphite electrodes, high-silicon aluminum alloys, tungsten-copper alloys, etc.
■Attention should be paid to the cutting temperature to ensure sufficient cooling!

DLC | A h6 | 30° | R

型号 Specification	DC	DCON	LF	APMX	ZEFP	RE/CHW
NRCH-1R0.2-50A4-4T-H3	1	4	50	3	4	R0.2
NRCH-1.5R0.2-50A4-4T-H5	1.5	4	50	5	4	R0.2
NRCH-2R0.2-50A4-4T-H6	2	4	50	6	4	R0.2
NRCH-2R0.5-50A4-4T-H6	2	4	50	6	4	R0.5
NRCH-3R0.2-50A4-4T-H9	3	4	50	9	4	R0.2
NRCH-3R0.5-50A4-4T-H9	3	4	50	9	4	R0.5
NRCH-3R1-50A4-4T-H9	3	4	50	9	4	R1
NRCH-4R0.2-50A4-4T-H12	4	4	50	12	4	R0.2
NRCH-4R0.5-50A4-4T-H12	4	4	50	12	4	R0.5
NRCH-4R1-50A4-4T-H12	4	4	50	12	4	R1
NRCH-6R0.2-50A6-4T-H18	6	6	50	18	4	R0.2
NRCH-6R0.5-50A6-4T-H18	6	6	50	18	4	R0.5
NRCH-6R1-50A6-4T-H18	6	6	50	18	4	R1
NRCH-8R0.5-60A8-4T-H24	8	8	60	24	4	R0.5
NRCH-8R1-60A8-4T-H24	8	8	60	24	4	R1
NRCH-10R0.5-75A10-4T-H30	10	10	75	30	4	R0.5
NRCH-10R1-75A10-4T-H30	10	10	75	30	4	R1
NRCH-12R0.5-75A12-4T-H36	12	12	75	36	4	R0.5
NRCH-12R1-75A12-4T-H36	12	12	75	36	4	R1

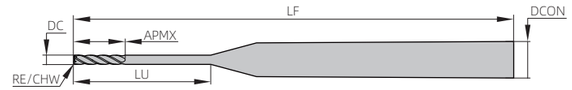
工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium Alloy	铸铁 Cast iron	不锈钢 Stainless Steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy	石墨 Graphite
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%	
NRCH										■			■			■

适用： ■最佳 ◆适用 □能用 Suit: ■Excellent ◆Good □OK

硬质合金铣刀 Carbide End Mill

NFCH 石墨用R角刀(长颈)
Type-NRCH R-corner For Graphite(Long Neck)





1.单位: mm 1.Unit: mm
2.DC≤12 公差0-0.015，DC＞12 公差0-0.02
2.Tolerance: 0-0.015 when DC ≤ 12; 0-0.02 when DC＞12
3.颈部直径DC-0.08~-0.1 3.Neck diameter DC: -0.08 ~ -0.1

■适宜加工石墨电极、高硅铝合金、钨铜等；
■需要注意切削温度，保证冷却!

■Suitable for machining graphite electrodes, high-silicon aluminum alloys, tungsten-copper alloys, etc.
■Attention should be paid to the cutting temperature to ensure sufficient cooling!

DLC | A h6 | 30° | R

型号 Specification	DC	DCON	LF	APMX	LU	ZEFP	RE/CHW
NRCH-1R0.1-50A4-4T-H1.2L4	1	4	50	1.2	4	4	R0.1
NRCH-1R0.1-50A4-4T-H1.2L5	1	4	50	1.2	5	4	R0.1
NRCH-1R0.1-50A4-4T-H1.2L6	1	4	50	1.2	6	4	R0.1
NRCH-1R0.2-50A4-4T-H1.2L4	1	4	50	1.2	4	4	R0.2
NRCH-1R0.2-50A4-4T-H1.2L5	1	4	50	1.2	5	4	R0.2
NRCH-1R0.2-50A4-4T-H1.2L6	1	4	50	1.2	6	4	R0.2
NRCH-1R0.2-50A4-4T-H1.2L8	1	4	50	1.2	8	4	R0.2
NRCH-1R0.2-50A4-4T-H1.2L10	1	4	50	1.2	10	4	R0.2
NRCH-1R0.2-50A4-4T-H1.2L12	1	4	50	1.2	12	4	R0.2
NRCH-1.5R0.1-50A4-4T-H1.8L6	1.5	4	50	1.8	6	4	R0.1
NRCH-1.5R0.1-50A4-4T-H1.8L8	1.5	4	50	1.8	8	4	R0.1
NRCH-1.5R0.2-50A4-4T-H1.8L6	1.5	4	50	1.8	6	4	R0.2
NRCH-1.5R0.2-50A4-4T-H1.8L8	1.5	4	50	1.8	8	4	R0.2
NRCH-1.5R0.2-50A4-4T-H1.8L10	1.5	4	50	1.8	10	4	R0.2
NRCH-1.5R0.2-50A4-4T-H1.8L12	1.5	4	50	1.8	12	4	R0.2
NRCH-2R0.1-50A4-4T-H2.4L8	2	4	50	2.4	8	4	R0.1
NRCH-2R0.1-50A4-4T-H2.4L10	2	4	50	2.4	10	4	R0.1
NRCH-2R0.2-50A4-4T-H2.4L8	2	4	50	2.4	8	4	R0.2
NRCH-2R0.2-50A4-4T-H2.4L10	2	4	50	2.4	10	4	R0.2
NRCH-2R0.2-50A4-4T-H2.4L12	2	4	50	2.4	12	4	R0.2
NRCH-3R0.2-50A4-4T-H3.6L10	3	4	50	3.6	10	4	R0.2
NRCH-3R0.2-50A4-4T-H3.6L12	3	4	50	3.6	12	4	R0.2
NRCH-3R0.5-50A4-4T-H3.6L10	3	4	50	3.6	10	4	R0.5
NRCH-3R0.5-50A4-4T-H3.6L12	3	4	50	3.6	12	4	R0.5
NRCH-4R0.2-50A6-4T-H4.8L12	4	6	50	4.8	12	4	R0.2
NRCH-4R0.2-50A6-4T-H4.8L16	4	6	50	4.8	16	4	R0.2
NRCH-4R0.5-50A6-4T-H4.8L12	4	6	50	4.8	12	4	R0.5
NRCH-4R0.5-50A6-4T-H4.8L16	4	6	50	4.8	16	4	R0.5

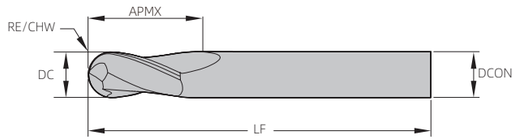
工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium Alloy	铸铁 Cast iron	不锈钢 Stainless Steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy	石墨 Graphite
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%	
NRCH										■			■			■

适用： ■最佳 ◆适用 □能用 Suit: ■Excellent ◆Good □OK

硬质合金铣刀 Carbide End Mill

NBCH | 石墨用球刀
Type-NBCH Ball For Graphite





1.单位: mm　　1.Unit: mm
2.DC≤12 公差0-0.015，DC＞12 公差0-0.02
2.Tolerance: 0-0.015 when DC ≤ 12; 0-0.02 when DC ＞ 12

■适宜加工石墨电极、高硅铝合金、钨铜等；
■需要注意切削温度，保证冷却!

■Suitable for machining graphite electrodes, high-silicon aluminum alloys, tungsten-copper alloys, etc.
■Attention should be paid to the cutting temperature to ensure sufficient cooling!

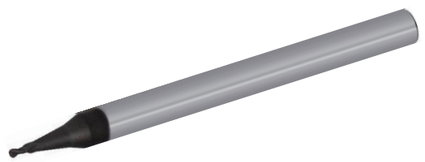
DLC　A h6　30°　B

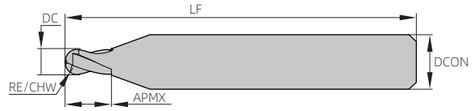
型号 Specification	DC	DCON	LF	APMX	ZEFP	RE/CHW
NBCH-1R0.5-50A4-2T-H2	1	4	50	2	2	R0.5
NBCH-1.5R0.75-50A4-2T-H3	1.5	4	50	3	2	R0.75
NBCH-2R1-50A4-2T-H4	2	4	50	4	2	R1
NBCH-2.5R1.25-50A4-2T-H5	2.5	4	50	5	2	R1.25
NBCH-3R1.5-50A4-2T-H6	3	4	50	6	2	R1.5
NBCH-3.5R1.75-50A4-2T-H7	3.5	4	50	7	2	R1.75
NBCH-4R2-50A4-2T-H8	4	4	50	8	2	R2
NBCH-5R2.5-50A6-2T-H11	5	6	50	11	2	R2.5
NBCH-6R3-50A6-2T-H12	6	6	50	12	2	R3
NBCH-8R4-60A8-2T-H16	8	8	60	16	2	R4
NBCH-10R5-75A10-2T-H20	10	10	75	20	2	R5
NBCH-12R6-75A12-2T-H24	12	12	75	24	2	R6

工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium Alloy	铸铁 Cast iron	不锈钢 Stainless Steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy	石墨 Graphite
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%	
NBCH										■			■			■

适用：■最佳　◆适用　□能用　　Suit: ■Excellent ◆Good □OK

NBCH | 石墨用球刀（微径）
Type-NBCH Ball For Graphite(Micro)





1.单位: mm　　1.Unit: mm
2.DC≤1 公差0-0.005　　2.Tolerance: 0-0.005 when DC ≤ 1

■适宜加工石墨电极、高硅铝合金、钨铜等；
■需要注意切削温度，保证冷却!

■Suitable for machining graphite electrodes, high-silicon aluminum alloys, tungsten-copper alloys, etc.
■Attention should be paid to the cutting temperature to ensure sufficient cooling!

DLC　A h6　30°　B

型号 Specification	DC	DCON	LF	APMX	ZEFP	RE/CHW
NBCH-0.3R0.15-50A4-2T-H0.6	0.3	4	50	0.6	2	R0.15
NBCH-0.4R0.2-50A4-2T-H0.8	0.4	4	50	0.8	2	R0.2
NBCH-0.5R0.25-50A4-2T-H1	0.5	4	50	1	2	R0.25
NBCH-0.6R0.3-50A4-2T-H1.2	0.6	4	50	1.2	2	R0.3
NBCH-0.7R0.35-50A4-2T-H1.4	0.7	4	50	1.4	2	R0.35
NBCH-0.8R0.4-50A4-2T-H1.6	0.8	4	50	1.6	2	R0.4
NBCH-0.9R0.45-50A4-2T-H1.8	0.9	4	50	1.8	2	R0.45

工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium Alloy	铸铁 Cast iron	不锈钢 Stainless Steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy	石墨 Graphite
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%	
NBCH										■			■			■

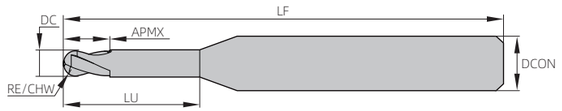
适用：■最佳　◆适用　□能用　　Suit: ■Excellent ◆Good □OK

整体圆柄刀具
Solid Round Tools

硬质合金铣刀 Carbide End Mill

NBCH | 石墨用球刀(长颈)
Type-NBCH Ball For Graphite(Long Neck)





1.单位: mm
2.DC≤1 公差0-0.005
3.颈部直径DC-0.08~-0.1

1.Unit: mm
2.DC ≤ 1, tolerance 0 ~ 0.005
3.Neck diameter DC: -0.08 ~ -0.1

■适宜加工石墨电极、高硅铝合金、钨铜等;
■需要注意切削温度，保证冷却!

■Suitable for machining graphite electrodes, high-silicon aluminum alloys, tungsten-copper alloys, etc.
■Attention should be paid to the cutting temperature to ensure sufficient cooling!

DLC | A h6 | 30° | B

型号 Specification	DC	DCON	LF	APMX	LU	ZEFP	RE/CHW
NBCH-0.2R0.1-50A4-2T-H0.4L1	0.2	4	50	0.4	1	2	R0.1
NBCH-0.2R0.1-50A4-2T-H0.4L2	0.2	4	50	0.4	2	2	R0.1
NBCH-0.3R0.15-50A4-2T-H0.6L1	0.3	4	50	0.6	1	2	R0.15
NBCH-0.3R0.15-50A4-2T-H0.6L2	0.3	4	50	0.6	2	2	R0.15
NBCH-0.3R0.15-50A4-2T-H0.6L3	0.3	4	50	0.6	3	2	R0.15
NBCH-0.4R0.2-50A4-2T-H0.6L1.5	0.4	4	50	0.6	1.5	2	R0.2
NBCH-0.4R0.2-50A4-2T-H0.6L2	0.4	4	50	0.6	2	2	R0.2
NBCH-0.4R0.2-50A4-2T-H0.6L3	0.4	4	50	0.6	3	2	R0.2
NBCH-0.4R0.2-50A4-2T-H0.6L4	0.4	4	50	0.6	4	2	R0.2
NBCH-0.4R0.2-50A4-2T-H0.6L6	0.4	4	50	0.6	6	2	R0.2
NBCH-0.5R0.25-50A4-2T-H0.8L2	0.5	4	50	0.8	2	2	R0.25
NBCH-0.5R0.25-50A4-2T-H0.8L3	0.5	4	50	0.8	3	2	R0.25
NBCH-0.5R0.25-50A4-2T-H0.8L4	0.5	4	50	0.8	4	2	R0.25
NBCH-0.5R0.25-50A4-2T-H0.8L6	0.5	4	50	0.8	6	2	R0.25
NBCH-0.5R0.25-50A4-2T-H0.8L8	0.5	4	50	0.8	8	2	R0.25
NBCH-0.6R0.3-50A4-2T-H1L2	0.6	4	50	1	2	2	R0.3
NBCH-0.6R0.3-50A4-2T-H1L3	0.6	4	50	1	3	2	R0.3
NBCH-0.6R0.3-50A4-2T-H1L4	0.6	4	50	1	4	2	R0.3
NBCH-0.6R0.3-50A4-2T-H1L5	0.6	4	50	1	5	2	R0.3
NBCH-0.6R0.3-50A4-2T-H1L6	0.6	4	50	1	6	2	R0.3
NBCH-0.6R0.3-50A4-2T-H1L8	0.6	4	50	1	8	2	R0.3
NBCH-0.8R0.4-50A4-2T-H1.2L2	0.8	4	50	1.2	2	2	R0.4
NBCH-0.8R0.4-50A4-2T-H1.2L3	0.8	4	50	1.2	3	2	R0.4
NBCH-0.8R0.4-50A4-2T-H1.2L4	0.8	4	50	1.2	4	2	R0.4
NBCH-0.8R0.4-50A4-2T-H1.2L6	0.8	4	50	1.2	6	2	R0.4
NBCH-0.8R0.4-50A4-2T-H1.2L8	0.8	4	50	1.2	8	2	R0.4
NBCH-1R0.5-50A4-2T-H1.2L3	1	4	50	1.2	3	2	R0.5
NBCH-1R0.5-50A4-2T-H1.2L4	1	4	50	1.2	4	2	R0.5
NBCH-1R0.5-50A4-2T-H1.2L5	1	4	50	1.2	5	2	R0.5
NBCH-1R0.5-50A4-2T-H1.2L6	1	4	50	1.2	6	2	R0.5
NBCH-1R0.5-50A4-2T-H1.2L8	1	4	50	1.2	8	2	R0.5
NBCH-1R0.5-50A4-2T-H1.2L10	1	4	50	1.2	10	2	R0.5
NBCH-1R0.5-50A4-2T-H1.2L12	1	4	50	1.2	12	2	R0.5
NBCH-1R0.5-50A4-2T-H1.2L16	1	4	50	1.2	16	2	R0.5
NBCH-1.5R0.75-50A4-2T-H1.8L4	1.5	4	50	1.8	4	2	R0.75
NBCH-1.5R0.75-50A4-2T-H1.8L6	1.5	4	50	1.8	6	2	R0.75
NBCH-1.5R0.75-50A4-2T-H1.8L8	1.5	4	50	1.8	8	2	R0.75
NBCH-1.5R0.75-50A4-2T-H1.8L10	1.5	4	50	1.8	10	2	R0.75
NBCH-1.5R0.75-50A4-2T-H1.8L12	1.5	4	50	1.8	12	2	R0.75
NBCH-1.5R0.75-50A4-2T-H1.8L16	1.5	4	50	1.8	16	2	R0.75
NBCH-2R1-50A4-2T-H2.4L6	2	4	50	2.4	6	2	R1

硬质合金铣刀 Carbide End Mill

NBCH | 石墨用球刀(长颈)
Type-NBCH Ball For Graphite(Long Neck)

型号 Specification	DC	DCON	LF	APMX	LU	ZEFP	RE/CHW
NBCH-2R1-50A4-2T-H2.4L8	2	4	50	2.4	8	2	R1
NBCH-2R1-50A4-2T-H2.4L10	2	4	50	2.4	10	2	R1
NBCH-2R1-50A4-2T-H2.4L12	2	4	50	2.4	12	2	R1
NBCH-2R1-50A4-2T-H2.4L16	2	4	50	2.4	16	2	R1
NBCH-3R1.5-50A4-2T-H2.4L8	3	4	50	2.4	8	2	R1.5
NBCH-3R1.5-50A4-2T-H2.4L10	3	4	50	2.4	10	2	R1.5
NBCH-3R1.5-50A4-2T-H2.4L12	3	4	50	2.4	12	2	R1.5
NBCH-3R1.5-50A4-2T-H2.4L16	3	4	50	2.4	16	2	R1.5

工件材料 Work Piece / 产品系列 Specification	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminum Alloy	铸铁 Cast iron	不锈钢 Stainless Steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy	石墨 Graphite
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	TC4	Cr<13%	
NBCH										■			■			■

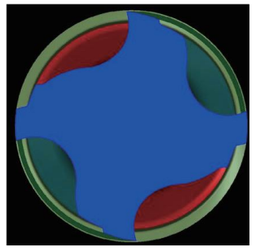
适用： ■最佳 ◆适用 □能用

Suit: ■Excellent ◆Good □OK

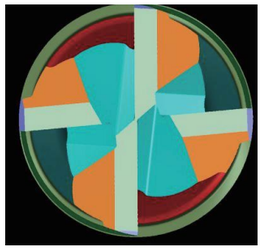
硬质合金铣刀 Carbide End Mill

加工案例
Processing Case

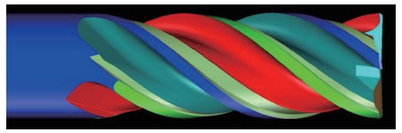
M高效能平刀Type-M Flat For High Efficiency



大芯厚，刚性足
双R型砂轮槽型，增加排屑
Big core thick, big rigid
Double R-type wheel groove,
increase chip removal



■高转速 High Speed
■高进给 High Feet
■高效率 High Efficiency



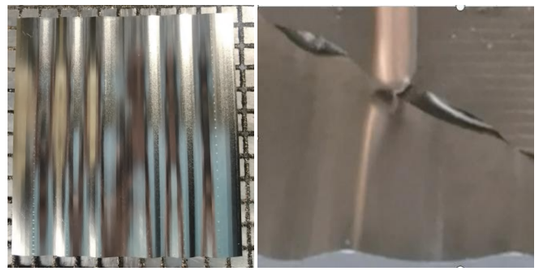
■不等对称设计
■不等螺旋角
■增加切削能力
■Unequal symmetry design
■Unequal spiral angle
■Unequal lead

大切削量有效抗震 Large cutting volume effective anti-seismic
大幅提升刀具寿命 Greatly improve the tool life

应用实例 / Application Example



1、
铣刀型号End Mill Speciafication:
MCU-8C0.12-60A8-4T
转速Vc:4000r/min
进给Fz:1500mm/min
切深Depth:12mm
切宽Cut wide:0.8mm
效率Efficiency:14.4cm3/min
材料Materials:304
硬度Hardness:HV 220



2、
铣刀型号End Mill Speciafication:
HB-10R5-75A10-2T
转速Vc:7000r/min
进给Fz:1500mm/min
切深Depth:0.02~2.02mm
切宽Cut wide:0.1mm
效率Efficiency:0.16cm3/min
材料Materials:SKD11
硬度Hardness:HRC58

硬质合金铣刀 Carbide End Mill
整体圆柄刀具
Solid Round Tools



AD

CARBIDE THREAD MILLING CUTTER
整体硬质合金螺纹铣刀

Nomenclature
命名规则 **AD003-003**

Metric (M) Single Thread Mill
米制螺纹单牙铣刀 **AD005-005**

Metric (M) Three Thread Mill
米制螺纹三牙铣刀 **AD006-006**

Metric (M) Full Thread Mill
米制螺纹全牙铣刀 **AD007-007**

(UN) Three Thread Mill
美制螺纹三牙铣刀 **AD008-008**

(UN) Full Thread Mill
美制螺纹全牙铣刀 **AD009-009**

55° Unsealed Cylindrical Full Thread Mill
55°非密封管螺纹全牙铣刀 **AD010-010**

55° Sealed Taper Pipe Full Thread Mill
55°密封圆锥管螺纹全牙铣刀 **AD010-010**

60° Unsealed Taper Pipe Full Thread Mill
60°非密封圆锥管螺纹全牙铣刀 **AD011-011**

60° Sealed Taper Pipe Full Thread Mill
60°密封圆锥管螺纹全牙铣刀 **AD011-011**

硬质合金螺纹铣刀 Carbide Thread Milling Cutter

M 米制（M）螺纹单牙铣刀
Metric (M) Single Thread Milling Cutter

类别说明 Category Description 第一位螺纹类别 first drill point type		螺距 Size Identification	内外螺纹 Pitch Distance		结构说明 Structure		切削直径 Cutting Dia.
UN	美制 American System		C	内螺纹 Internal Thread	A	全牙 Full Thread	
M	米制 Metric System		A	外螺纹 External Thread	B	三牙 Three Thread	
PG	德制 German System				C	全牙加长 Full Thread Lengthen	
G	英制圆柱 British Cylinder				D	三牙加长 Three Thread Lengthen	
Rc	英制锥管 British Cone Tube				E	单牙 Single Thread	
NPT	美制锥管 American Cone Tube				F	单牙加长 Single Thread Lengthen	
NPTF	美制锥管 American Cone Tube						

UN 28 C - A 0920 - 75 A 10 - H22 - 3T

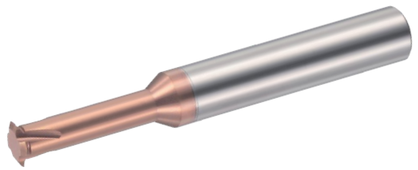
总长 OL	标准类型 Standard		柄径 Shank Dia.	有效长 LF	刃数 Teeth
	C	DIN6535-HB			
	D	DIN6535-HE			
	S	ISO-9766			
	A	一般圆柄 Heat-resisting Alloy			
	B	一般侧固 Quenching Material			

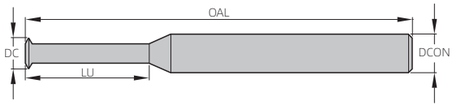
硬质合金螺纹铣刀 Carbide Thread Milling Cutter

整体圆柄刀具
Solid Round Tools

硬质合金螺纹铣刀 Carbide Thread Milling Cutter

M | 米制（M）螺纹单牙铣刀
Metric (M) Single Thread Mill





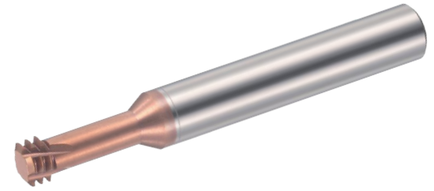
牌号 Grade	适用被加工材料 General Workpiece Material					
	P	M	K	N	S	H
DK01	■	■	■			
DK02				■		

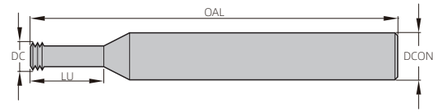
牙型标准 Thread standard：DIN 13

型号 Specification	TP	DC	LU	DCON	OAL	ZEFP
M0.25-E0.73-50A4-T3	0.25	0.73	2.3	4	50	3
M0.25-E0.92-50A4-T3	0.25	0.92	2.8	4	50	3
M0.3-E1.05-50A4-T3	0.3	1.05	3.2	4	50	3
M0.35-E1.2-50A4-T3	0.35	1.2	3.4	4	50	3
M0.35-E1.4-50A4-T3	0.35	1.4	4.5	4	50	3
M0.4-E1.55-50A4-T3	0.4	1.55	5	4	50	3
M0.45-E1.65-50A4-T3	0.45	1.65	5.5	4	50	3
M0.45-E1.95-50A4-T3	0.45	1.95	6.2	4	50	3
M0.5-E2.4-50A4-T3	0.5	2.4	7.5	4	50	3
M0.6-E2.75-50A4-T3	0.6	2.75	8.7	4	50	3
M0.7-E3.15-50A4-T3	0.7	3.15	10	4	50	3
M0.8-E4.05-50A6-T3	0.8	4.05	12.5	6	50	3
M1-E4.8-50A6-T3	1	4.8	15	6	50	3
M1.25-E6.5-60A8-T4	1.25	6.5	20	8	60	4
M1.5-E8.2-75A10-T4	1.5	8.2	25	10	75	4
M1.75-E9.9-75A10-T6	1.75	9.9	30	10	75	6
M2-E11.6-75A12-T6	2	11.6	36	12	75	6
M2-E11.9-83A12-T6	2	11.9	40	12	83	6
M2.5-E15.9-100A16-T6	2.5	15.9	50	16	100	6
M0.8-E3.9-50A4-T3	0.8	3.9	12.5	4	50	3
M1-E3.95-50A4-T3	1	3.95	15	4	50	3
M1.25-E5.9-60A6-T3	1.25	5.9	20	6	60	3
M1.5-E7.9-60A8-T4	1.5	7.9	25	8	60	4

硬质合金螺纹铣刀 Carbide Thread Milling Cutter

M | 米制（M）螺纹三牙铣刀
Metric (M) Three Thread Mill





牌号 Grade	适用被加工材料 General Workpiece Material					
	P	M	K	N	S	H
DK01	■	■	■			
DK02				■		

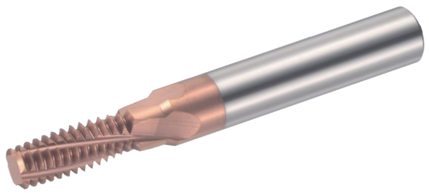
牙型标准 Thread standard：DIN 13

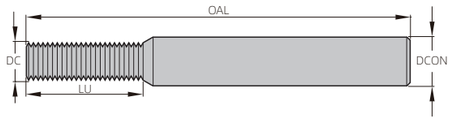
型号 Specification	TP	DC	LU	DCON	OAL	ZEFP
M0.25-B0.73-50A4-T3	0.25	0.73	2.3	4	50	3
M0.25-B0.92-50A4-T3	0.25	0.92	2.8	4	50	3
M0.3-B1.05-50A4-T3	0.3	1.05	3.2	4	50	3
M0.35-B1.2-50A4-T3	0.35	1.2	3.4	4	50	3
M0.35-B1.4-50A4-T3	0.35	1.4	4.5	4	50	3
M0.4-B1.55-50A4-T3	0.4	1.55	5	4	50	3
M0.45-B1.65-50A4-T3	0.45	1.65	5.5	4	50	3
M0.45-B1.95-50A4-T3	0.45	1.95	6.2	4	50	3
M0.5-B2.4-50A4-T3	0.5	2.4	7.5	4	50	3
M0.6-B2.75-50A4-T3	0.6	2.75	8.7	4	50	3
M0.7-B3.15-50A4-T3	0.7	3.15	10	4	50	3
M0.8-B4.05-50A6-T3	0.8	4.05	12.5	6	50	3
M1-B4.8-50A6-T3	1	4.8	15	6	50	3
M1.25-B6.5-60A8-T4	1.25	6.5	20	8	60	4
M1.5-B8.2-75A10-T4	1.5	8.2	25	10	75	4
M1.75-B9.9-75A10-T6	1.75	9.9	30	10	75	6
M2-B11.6-75A12-T6	2	11.6	36	12	75	6
M2-B11.9-83A12-T6	2	11.9	40	12	83	6
M2.5-B15.9-100A16-T6	2.5	15.9	50	16	100	6
M0.8-B3.9-50A4-T3	0.8	3.9	12.5	4	50	3
M1-B3.95-50A4-T3	1	3.95	15	4	50	3
M1.25-B5.9-60A6-T3	1.25	5.9	20	6	60	3
M1.5-B7.9-60A8-T4	1.5	7.9	25	8	60	4

整体圆柄刀具
Solid Round Tools

硬质合金螺纹铣刀 Carbide Thread Milling Cutter

M 米制（M）螺纹全牙铣刀
Metric (M) Full Thread Mill





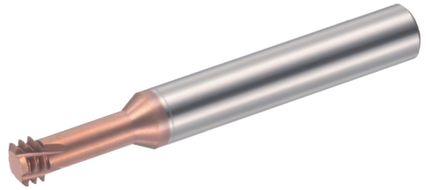
牌号 Grade	适用被加工材料General Workpiece Material					
	P	M	K	N	S	H
DK01	■	■	■			
DK02				■		

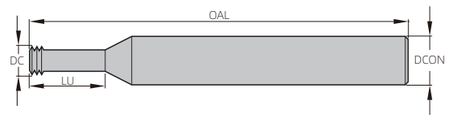
牙型标准 Thread standard：DIN 13

型号 Specification	TP	DC	LU	DCON	OAL	ZEFP
M0.5-A2.4-50A4-T3	0.5	2.4	6	4	50	3
M0.7-A3.15-50A4-T3	0.7	3.15	8	4	50	3
M0.75-A3.6-50A4-T3	0.75	3.6	9	4	50	3
M0.8-A3.9-50A4-T3	0.8	3.9	10	4	50	3
M1-A4.8-50A6-T3	1	4.8	12	6	50	3
M1.25-A6.5-60A8-T4	1.25	6.5	16.25	8	60	4
M1.5-A8.2-75A10-T4	1.5	8.2	21	10	75	4
M1.75-A9.9-75A10-T4	1.75	9.9	24.5	10	75	4
M2-A11.6-75A12-T4	2	11.6	28	12	75	4
M2-A13.6-80A14-T4	2	13.6	32	14	80	4
M2.5-A14.8-100A16-T4	2.5	14.8	36	16	100	4
M2.5-A17.1-100A18-T4	2.5	17.1	40	18	100	4
M3-A19.9-100A20-T4	3	19.9	50	20	100	4
M1-A3.9-50A4-T3	1	3.9	12	4	50	3
M1.25-A5.8-60A6-T3	1.25	5.8	16.25	6	60	3
M1.5-A7.7-60A8-T3	1.5	7.7	21	8	60	3
M1.75-A8.7-75A10-T4	1.75	8.7	24.5	10	75	4
M2-A9.9-75A10-T4	2	9.9	28	10	75	4
M2-A11.9-83A12-T4	2	11.9	32	12	83	4
M2.5-A11.9-83A12-T4	2.5	11.9	36	12	83	4
M2.5-A15.9-92A16-T4	2.5	15.9	40	16	92	4
M3-A15.9-92A16-T4	3	15.9	50	16	92	4
M0.5-A3-50A4-T3	0.5	3	8	4	50	3
M0.5-A3.9-50A4-T3	0.5	3.9	10	4	50	3
M0.75-A3.9-50A4-T3	0.75	3.9	12	4	50	3
M1-A5.9-60A6-T3	1	5.9	16	6	60	3
M1-A7.9-60A8-T3	1	7.9	20	8	60	3
M1-A9.9-75A10-T4	1	9.9	24	10	75	4
M1.25-A7.7-60A8-T3	1.25	7.7	20	8	60	3
M1.5-A9.4-75A10-T4	1.5	9.4	24	10	75	4
M1.5-A11.2-83A12-T4	1.5	11.2	28.5	12	83	4
M1.5-A11.9-83A12-T4	1.5	11.9	33	12	83	4

硬质合金螺纹铣刀 Carbide Thread Milling Cutter

UN 美制（UN）螺纹三牙铣刀
(UN) Three Thread Mill





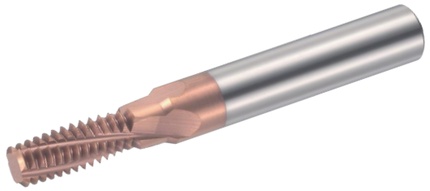
牌号 Grade	适用被加工材料General workpiece material					
	P	M	K	N	S	H
DK01	■	■	■			
DK02				■		

牙型标准 Thread standard：ANSI B1.1.74

型号 Specification	TP	DC	LU	DCON	OAL	ZEFP
UN72-B1.45-60A6-T3	72	1.45	3.9	6	60	3
UN64-B1.4-60A6-T3	64	1.4	4.2	6	60	3
UN56-B1.65-60A6-T3	56	1.65	5	6	60	3
UN48-B1.9-60A6-T3	48	1.9	6	6	60	3
UN40-B2.1-60A6-T3	40	2.1	6	6	60	3
UN40-B2.45-60A6-T3	40	2.45	7.2	6	60	3
UN36-B3.3-60A6-T3	36	3.3	8.7	6	60	3
UN32-B2.55-60A6-T3	32	2.55	7.4	6	60	3
UN32-B3.2-60A6-T3	32	3.2	10	6	60	3
UN32-B3.8-60A6-T3	32	3.8	10.3	6	60	3
UN28-B5.25-60A6-T3	28	5.25	13.2	6	60	3
UN24-B3.58-60A6-T3	24	3.58	10.2	6	60	3
UN24-B6.68-60A8-T3	24	6.68	16.5	8	60	3
UN20-B4.88-60A6-T3	20	4.88	13.4	6	60	3
UN20-B9.55-75A10-T3	20	9.55	23	10	75	3
UN18-B6.15-60A8-T3	18	6.15	16.9	8	60	3
UN16-B6.7-60A8-T3	16	6.7	19.1	8	60	3
UN14-B9-75A10-T3	14	9	23.3	10	75	3

硬质合金螺纹铣刀 Carbide Thread Milling Cutter

UN 美制（UN）螺纹全牙铣刀
(UN) Full Thread Mill





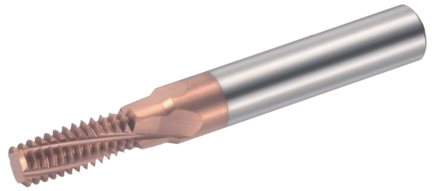
牌号 Grade	适用被加工材料General Workpiece Material					
	P	M	K	N	S	H
DK01	■	■	■			
DK02				■		

牙型标准 Thread standard：ANSI B1.1.74

型号 Specification	TP	DC	LU	DCON	OAL	ZEFP
UN36-A3-50A4-T3	36	3	8.5	4	50	3
UN32-A3.3-50A4-T3	32	3.3	11.1	4	50	3
UN28-A3.8-50A4-T3	28	3.8	11.8	4	50	3
UN28-A4.6-50A6-T3	28	4.6	12.7	6	50	3
UN28-A9.2-75A10-T4	28	9.2	22.7	10	75	4
UN24-A2.9-50A4-T3	24	2.9	10.6	4	50	3
UN24-A3.5-50A4-T3	24	3.5	11.6	4	50	3
UN24-A5.7-50A6-T3	24	5.7	15.9	6	50	3
UN24-A7.4-60A8-T3	24	7.4	19.1	8	60	3
UN24-A11.9-83A12-T4	24	11.9	28.6	12	83	4
UN20-A3.9-50A4-T3	20	3.9	12.7	4	50	3
UN20-A8.5-75A10-T4	20	8.5	22.9	10	75	4
UN20-A9.9-75A10-T4	20	9.9	25.4	10	75	4
UN20-A15.9-92A16-T5	20	15.9	38.1	16	92	5
UN18-A5.2-60A6-T3	18	5.2	16.9	6	60	3
UN18-A11.3-83A12-T4	18	11.3	29.6	12	83	4
UN18-A11.9-83A12-T4	18	11.9	32.5	12	83	4
UN16-A6.7-60A8-T3	16	6.7	19.1	8	60	3
UN16-A15.9-92A16-T4	16	15.9	38.1	16	92	4
UN14-A7.6-60A8-T4	14	7.6	23.6	8	60	4
UN14-A18.7-100A20-T4	14	18.7	44.4	20	100	4
UN13-A8.9-75A10-T4	13	8.9	25.4	10	75	4
UN12-A10.3-83A12-T4	12	10.3	29.6	12	83	4
UN12-A19.9-100A20-T5	12	19.9	50.8	20	100	5
UN11-A11-83A12-T4	11	11	32.3	12	83	4
UN10-A13.5-92A16-T5	10	13.5	38.1	16	92	5
UN9-A15.2-92A16-T4	9	15.2	45.2	16	92	4
UN8-A17-100A20-T4	8	17	50.8	20	100	4
美制（UN）螺纹全牙铣刀-外螺纹 United States (UN) Thread Full Thread Milling Cutter - External Thread						
UN32A-A3.9-50A4-T3	32	3.9	8.7	4	50	3
UN28A-A3.9-50A4-T3	28	3.9	11.8	4	50	3
UN24A-A3.9-50A4-T3	24	3.9	11.6	4	50	3
UN20A-A3.9-50A4-T3	20	3.9	12.7	4	50	3
UN18A-A5.9-50A6-T3	18	5.9	16.9	6	50	3
UN16A-A7.9-60A8-T3	16	7.9	19.1	8	60	3
UN12A-A11.9-83A12-T4	12	11.9	29.6	12	83	4

硬质合金螺纹铣刀 Carbide Thread Milling Cutter

G 55°非密封圆柱管螺纹全牙铣刀
55 ° Unsealed Cylindrical Full Thread Mill



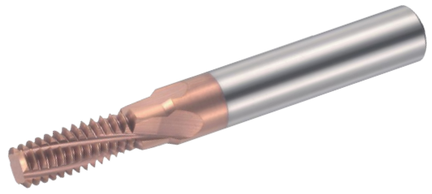


牌号 Grade	适用被加工材料General Workpiece Material					
	P	M	K	N	S	H
DK01	■	■	■			
DK02				■		

牙型标准 Thread standard：BS 2779 :1956

型号 Specification	TP	DC	LU	DCON	OAL	ZEFP
G28-A5.8-60A6-T3	28	5.8	16.3	6	60	3
G28-A7.7-60A8-T3	28	7.7	20	8	60	3
G19-A9.9-75A10-T4	19	9.9	26.7	10	75	4
G19-A13.4-92A16-T4	19	13.4	33.4	16	92	4
G14-A15.7-92A16-T5	14	15.7	43.5	16	92	5
G11-A19.9-100A20-T5	11	19.9	41.6	20	100	5

Rc 55°密封圆锥管螺纹全牙铣刀
55 ° Sealed Taper Pipe Full Thread Mill





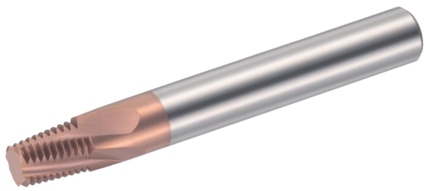
牌号 Grade	适用被加工材料General Workpiece Material					
	P	M	K	N	S	H
DK01	■	■	■			
DK02				■		

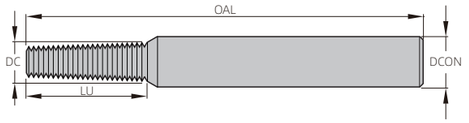
牙型标准 Thread standard：BS 21 :1985

型号 Specification	TP	DC	LU	DCON	OAL	ZEFP
Rc28-A5.8-60A6-T3	28	5.8	16.3	6	60	3
Rc28-A7.7-60A8-T3	28	7.7	20	8	60	3
Rc19-A9.9-75A10-T4	19	9.9	26.7	10	75	4
Rc19-A13.4-92A16-T4	19	13.4	33.4	16	92	4
Rc14-A15.7-92A16-T5	14	15.7	43.5	16	92	5
Rc11-A19.9-100A20-T5	11	19.9	41.6	20	100	5

硬质合金螺纹铣刀 Carbide Thread Milling Cutter

NPT 60°非密封圆锥管螺纹全牙铣刀
60 ° Unsealed Taper Pipe Full Thread Mill



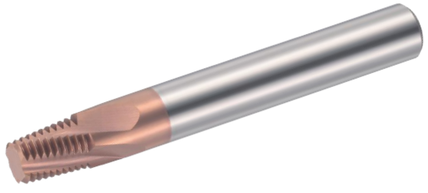


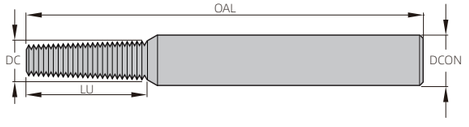
牌号 Grade	适用被加工材料General Workpiece Material					
	P	M	K	N	S	H
DK01	■	■	■			
DK02				■		

牙型标准 Thread standard：AUSAS B2.1:1968

型号 Specification	TP	DC	LU	DCON	OAL	ZEFP
NPT27-A5.3-60A6-T3	27	5.3	9.4	6	60	3
NPT27-A7.5-60A8-T4	27	7.5	9.4	8	60	4
NPT18-A9.4-75A10-T4	18	9.4	14.1	10	75	4
NPT18-A11.9-83A12-T4	18	11.9	14.1	12	83	4
NPT14-A15.5-92A16-T5	14	15.5	25.4	16	92	5
NPT11.5-A19.9-100A20-T5	11.5	19.9	33.1	20	100	5
NPT8-A19.9-100A20-T4	8	19.9	38.1	20	100	4

NPTF 60°密封圆锥管螺纹全牙铣刀
60 ° Sealed Taper Pipe Full Thread Mill





牌号 Grade	适用被加工材料General Workpiece Material					
	P	M	K	N	S	H
DK01	■	■	■			
DK02				■		

牙型标准 Thread standard：ANSI 1.20.3:1976

型号 Specification	TP	DC	LU	DCON	OAL	ZEFP
NPTF27-A5.3-60A6-T3	27	5.3	9.4	6	60	3
NPTF27-A7.5-60A8-T4	27	7.5	9.4	8	60	4
NPTF18-A9.4-75A10-T4	18	9.4	14.1	10	75	4
NPTF18-A11.9-83A12-T4	18	11.9	14.1	12	83	4
NPTF14-A15.5-92A16-T5	14	15.5	25.4	16	92	5
NPTF11.5-A19.9-100A20-T5	11.5	19.9	33.1	20	100	5
NPTF8-A19.9-100A20-T4	8	19.9	38.1	20	100	4

硬质合金螺纹铣刀 Carbide Thread Milling Cutter

整体圆柄刀具
Solid Round Tools



AE

REAMER
铰刀

Nomenclature
命名规则 **AE003-004**

Carbide Reamer（External Cooling）
硬质合金铰刀（外冷） **AE005-005**

Carbide Reamer（Cooling）
硬质合金铰刀（内冷） **AE006-006**

Carbide Reamer（Radial Cooling）
硬质合金铰刀（径向冷却） **AE007-007**

High Speed Steel Reamer（External Cooling）
高速钢铰刀（外冷） **AE008-008**

High Speed Steel Reamer（Cooled）
高速钢铰刀（内冷） **AE009-009**

Welding Reamer（External Cooling）
焊接铰刀（外冷） **AE010-010**

Lengthening Welding Reamer（External Cooling）
加长焊接铰刀（外冷） **AE011-011**

Welding Reamer（Cooling）
焊接铰刀（内冷） **AE012-012**

Lengthening Welding Reamer（Cooling）
加长焊接铰刀（内冷） **AE013-013**

Welding Reamer（Radial Cooling）
焊接铰刀（径向冷却） **AE014-014**

Lengthening Welding Reamer（Radial Cooling）
加长焊接铰刀（径向冷却） **AE015-015**

Micro Adjustment Welding Reamer（External Cooling）
微调焊接铰刀（外冷） **AE016-016**

Lengthening Micro Adjustment Welding Reamer（External Cooling）
加长微调焊接铰刀（外冷） **AE017-017**

Micro Adjustment Welding Reamer（Cooling）
微调焊接铰刀（内冷） **AE018-018**

Lengthening Micro Adjustment Welding Reamer（Cooling）
加长微调焊接铰刀（内冷） **AE019-019**

Micro Adjustment Welding Reamer（Radial Cooling）
微调焊接铰刀（径向冷却） **AE020-020**

Lengthening Micro Adjustment Welding Reamer（Radial Cooling）
加长微调焊接铰刀（径向冷却） **AE021-021**

Interchangeable Head Reamer（Cooling）
可换头铰刀（内冷） **AE022-022**

Interchangeable Head Reamer（Radial Cooling）
可换头铰刀（径向冷却） **AE023-023**

Flange Interchangeable Head Reamer（Cooling）
法兰柄可换头铰刀（内冷） **AE024-024**

Flange Interchangeable Head Reamer（Radial Cooling）
法兰柄可换头铰刀（径向冷却） **AE025-025**

Single Angle Reamer
单刃铰刀（径向冷却） **AE026-026**

Technical Data
技术资料 **AE027-027**

铰刀 Reamer

铰刀命名规则
Naming rules for reamers

铰刀类型 Types		冷却技术 Cooling Method	
H	整体铰刀 solid reamer	0	外冷 External Cooling
F	固定式焊接铰刀 Welding Reamer	1	内冷 Cooling
A	微调式焊接铰刀 Micro adjustment Welding Reamer	2	径向冷却 Radial Cooling
S	单刃铰刀 Single-bladed Reamers		
M	可换头铰刀 Replaceable Head Reamer		

切削刃材料结构 Material		00~10刃型 Edgegeometry
N	硬质合金无涂层：适应范围广，可满足不同材质零件的加工 Carbide uncoated：suitable for most situations	详见页码：AE027 Page: AE027
I	涂层硬质合金材料，应用与钢，不锈钢，铸铁的高速加工 Coated Carbides：suitable for high-speed processing of P, M, and K	
C	金属陶瓷：适用于加工合金钢，高硬度材料加工 Cermet：Suitable for P, H	
T	金属陶瓷 TiALN涂层：适用于加工合金钢，高硬度材料加工，寿命更好 Cermet/TiALN：Suitable for P, H，life extension	
P	聚晶金刚石：适用于非铁合金的加工 PCD：Suitable for N	
B	CBN材质：应用于铸铁，高硬度材料加工 CBN：Suitable for K,H	
H	含钴高速钢材料，应用于钢及铸铁低速加工 HSS-E：Suitable for K,P	
S	Tin涂层含钴高速钢材料，应用于钢及铸铁的低速加工 HSS-E/TiN：Suitable for K,P	
AI	涂层硬质合金铰刀刀片 Insert	

A 1 H - I 01 - D6 H7 * * * *

柄部材料 Material of handle		刀具直径 DC	加工精度 IT	长度 Length		非标代码 Code	
S	钢制柄 Alloy steel	D**	***	标准长 standard	-		
H	硬质合金柄 Carbide			加长 lengthening	L		

铰刀命名规则（杆体）
Naming rules for reamers （Rod body）

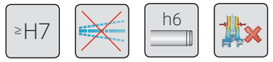
接口标准 Types		冷却技术 Cooling Method		刀杆材料 Material Of Handle		刀杆形式 Handle Structure	
M	螺钉压紧 锥面定位 crew compression , cone positioning	1	中心冷却 Cooling	S	钢制柄 Alloy Steel	F	法兰柄 Flange
		2	径向冷却 Radial Cooling	H	硬质合金柄 Carbide	C	圆柱柄 Cylinder

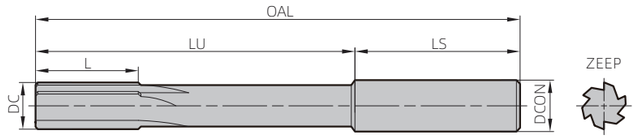
M 1 HF - ** ~ ** - * * * *

最小直径 DCN		最大直径 DCX		非标代码 Code	

硬质合金铰刀 Carbide Reamer

H0H 硬质合金铰刀（外冷） Carbide Reamer（External Cooling）





切削刃材料 Cutting Edge Material	适用工件材料 Applicable Workpiece Materials						推荐 Recommend
类别 Category	P钢	M不锈钢	K铸铁	N有色金属	S耐热合金	H高硬度材料	
H0H-N02	○	○	○	◐	○	○	
H0H-I02	○	○	◐	○	○	○	● 非常合适 Recommend
							◐ 某些情况合适 Recommend
							○ 次要选择 Recommend
○	○	○	○	○	○	○	○

DC	OAL	LU	L	LS	ZEEP	DCON
2.00-3.15	54	26	10	28	4	4
3.16-4.15	54	26	10	28	4	4
4.16-6.15	66	38	10	28	4	6
6.16-8.15	82	46	10	36	4	8
8.16-10.15	82	46	10	36	4	10
10.16-12.15	110	70	15	40	6	12
12.16-14.15	110	70	15	40	6	14
14.16-16.00	135	90	20	45	6	16

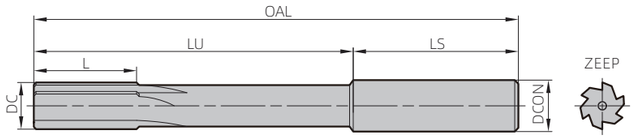
直径：8　精度要求：H7　采用无涂层硬质合金切削刃
槽型：02　对应的型号：H0H-N02-D8H7-****
总长：82　有效深度：46
根据直径可以确定对应的长度和其他尺寸范围。

DC：8　Accuracy class：H7　Carbide uncoated
Edgegeometry：02　Specifications：H0H-N02-D8H7-****
OAL：82　LU：46
According to the diameter query table, other dimensions can be known.

硬质合金铰刀 Carbide Reamer

H1H 硬质合金铰刀（内冷） Carbide Reamer（Cooling）





切削刃材料 Cutting Edge Material	适用工件材料 Applicable Workpiece Materials						推荐 Recommend
类别 Category	P钢	M不锈钢	K铸铁	N有色金属	S耐热合金	H高硬度材料	
H1H-N02	○	○	○	◐	○	○	
H1H-I02	◐	○	◐	○	○	○	● 非常合适 Recommend
							◐ 某些情况合适 Recommend
							○ 次要选择 Recommend
●	●	◐	○	○	○	○	○

` (Radial Cooling)

DC	OAL	LU	L	LS	ZEEP	DCON
4.16-6.15	66	38	10	28	4	6
6.16-8.15	82	46	10	36	4	8
8.16-10.15	82	46	10	36	4	10
10.16-12.15	110	70	15	40	6	12
12.16-14.15	110	70	15	40	6	14
14.16-16.00	135	90	20	45	6	16

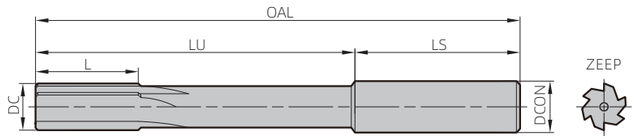
直径：8　精度要求：H7　采用无涂层硬质合金切削刃
槽型：02　对应的型号：H1H-N02-D8H7-****
总长：82　有效深度：46
根据直径可以确定对应的长度和其他尺寸范围。

DC：8　Accuracy class：H7　Carbide uncoated
Edgegeometry：02　Specifications：H1H-N02-D8H7-****
OAL：82　LU：46
According to the diameter query table, other dimensions can be known.

硬质合金铰刀 Carbide Reamer

H2H 硬质合金铰刀（径向冷却） Carbide Reamer（Radial Cooling）





切削刃材料 Cutting Edge Material	适用工件材料 Applicable Workpiece Materials						推荐 Recommend
类别 Category	P钢	M不锈钢	K铸铁	N有色金属	S耐热合金	H高硬度材料	
H2H-N02	○	○	◐	●	○	○	
H2H-I02	○	◐	●	○	◐	◐	● 非常合适 Recommend
							◐ 某些情况合适 Recommend
							○ 次要选择 Recommend
○	○	○	○	●	●	◐	○

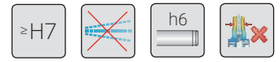
DC	OAL	LU	L	LS	ZEEP	DCON
4.16-6.15	66	38	10	28	4	6
6.16-8.15	82	46	10	36	4	8
8.16-10.15	82	46	10	36	4	10
10.16-12.15	110	70	15	40	6	12
12.16-14.15	110	70	15	40	6	14
14.16-16.00	135	90	20	45	6	16

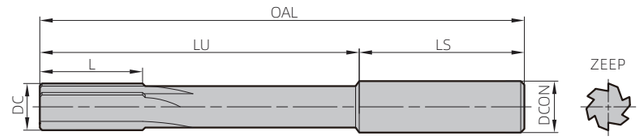
直径：8　精度要求：H7　采用无涂层硬质合金切削刃
槽型：02　对应的型号：H2H-N02-D8H7-****
总长：82　有效深度：46
根据直径可以确定对应的长度和其他尺寸范围。

DC：8　Accuracy class：H7　Carbide uncoated
Edgegeometry：02　Specifications：H2H-N02-D8H7-****
OAL：82　LU：46
According to the diameter query table, other dimensions can be known.

高速钢铰刀 HSS Reamer

H0S 高速钢铰刀（外冷） HSS Reamer（External Cooling）





切削刃材料 Cutting Edge Material	适用工件材料 Applicable Workpiece Materials						推荐 Recommend
类别 Category	P钢	M不锈钢	K铸铁	N有色金属	S耐热合金	H高硬度材料	
H0S-H02	○		○	○			
H0S-S02	○		○	○			● 非常合适 Recommend
							◐ 某些情况合适 Recommend
○	○	○	○	○	○	○	○ 次要选择 Recommend

DC	OAL	LU	L	LS	ZEEP	DCON
3.00-3.79	70	42	18	28	3	4
3.80-4.29	75	43	19	28	5	4
4.30-4.79	80	52	21	28	6	4.5
4.80-5.39	86	58	23	28	6	5.0
5.40-6.09	93	57	26	36	6	6
6.10-6.79	101	65	28	36	6	6
6.80-7.59	109	73	31	36	6	8
7.60-8.59	117	81	33	36	6	8
8.60-9.59	125	85	36	40	6	9
9.60-10.69	133	93	38	40	6	10
10.70-11.89	142	102	41	40	6	14
11.90-13.49	151	111	44	40	6	14
13.50-14.49	160	115	47	45	6	14
14.50-15.49	162	117	50	45	8	16
15.50-16.49	170	125	52	45	8	16
16.50-17.49	175	130	54	45	8	18
17.50-18.49	182	137	56	45	8	18
18.50-19.49	189	141	58	48	8	20
19.50-20.00	195	147	60	48	8	20

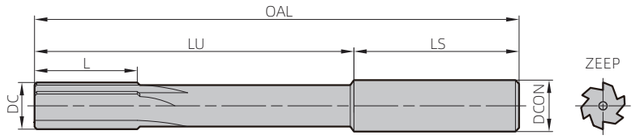
直径：8　精度要求：H7　采用无涂层硬质合金切削刃
槽型：02　对应的型号：H0S-H02-D6H7-****
总长：117 有效深度：81
根据直径可以确定对应的长度和其他尺寸范围。

DC：8　Accuracy class：H7　Carbide uncoated
Edgegeometry：02　Specifications：H0S-H02-D6H7-****
OAL：117　LU：81
According to the diameter query table, other dimensions can be known.

高速钢铰刀 HSS Reamer

H1S 高速钢铰刀（内冷） HSS Reamer（Cooled）





切削刃材料 Cutting Edge Material	适用工件材料 Applicable Workpiece Materials						推荐 Recommend
类别 Category	P钢	M不锈钢	K铸铁	N有色金属	S耐热合金	H高硬度材料	
H1S-H02	○	○	○	◐	○	○	
H1S-S02	◐	○	◐	○	○	○	● 非常合适 Recommend
							◐ 某些情况合适 Recommend
	●	●	◐	○	○	○	○ 次要选择 Recommend

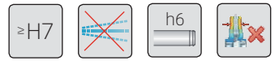
DC	OAL	LU	L	LS	ZEEP	DCON
3.00-3.79	70	42	18	28	3	4
3.80-4.29	75	43	19	28	5	4
4.30-4.79	80	52	21	28	6	4.5
4.80-5.39	86	58	23	28	6	5.0
5.40-6.09	93	57	26	36	6	6
6.10-6.79	101	65	28	36	6	6
6.80-7.59	109	73	31	36	6	8
7.60-8.59	117	81	33	36	6	8
8.60-9.59	125	85	36	40	6	9
9.60-10.69	133	93	38	40	6	10
10.70-11.89	142	102	41	40	6	14
11.90-13.49	151	111	44	40	6	14
13.50-14.49	160	115	47	45	6	14
14.50-15.49	162	117	50	45	8	16
15.50-16.49	170	125	52	45	8	16
16.50-17.49	175	130	54	45	8	18
17.50-18.49	182	137	56	45	8	18
18.50-19.49	189	141	58	48	8	20
19.50-20.00	195	147	60	48	8	20

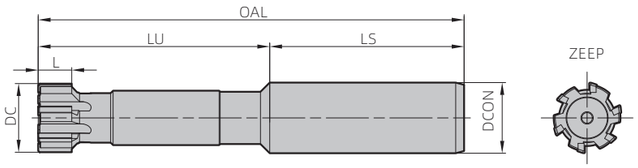
直径：8　精度要求：H7　采用高速钢材料
槽型：02　对应的型号：H1S-H02-D6H6-****
总长：117 有效深度：81
根据直径可以确定对应的长度和其他尺寸范围。

DC：8　Accuracy class：H7　HSS-E
Edgegeometry：02　Specifications：H1S-H02-D6H6-****
总长：117 有效深度：81
According to the diameter query table, other dimensions can be known.

焊接铰刀 Welding Reamer

F0S 焊接铰刀（外冷） Welding Reamer（External Cooling）





切削刃材料 Cutting Edge Material	适用工件材料 Applicable Workpiece Materials						推荐 Recommend
类别 Category	P钢	M不锈钢	K铸铁	N有色金属	S耐热合金	H高硬度材料	
F0S-N02	○	○	○	◐	○	○	
F0S-I02	○	◐	◐	○	○	○	● 非常合适 Recommend
F0S-C02	◐	○	◐	◐	○	○	
F0S-T02	●	○	◐	○	○	○	
F0S-P02	○	○	○	●	○	○	◐ 某些情况合适 Recommend
F0S-B02	○	○	●	○	○	●	
							○ 次要选择 Recommend
	○	○	○	○	○	○	○	○

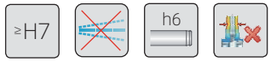
DC	OAL	LU	L	LS	ZEEP	DCON
5.60-8.88	90	45	10	45	4	12
8.89-15.88	100	55	10	45	6	12
15.89-18.88	105	55	10	50	6	16
18.89-25.88	125	65	10	60	6	20
25.89-32.58	135	75	10	60	6	25
32.59-41.88	135	75	10	60	8	25
41.89-46.00	140	80	10	60	8	32

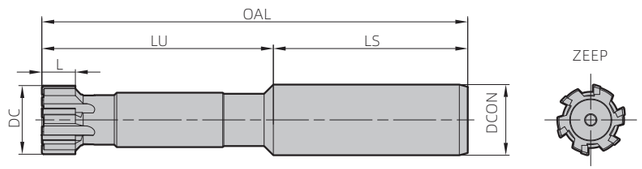
直径：20　精度要求：H7　采用无涂层硬质合金切削刃
槽型：02　对应的型号：F0S-N02-D20H7-****
总长：125 有效深度：65
根据直径可以确定对应的长度和其他尺寸范围。

DC：20　Accuracy class：H7　Carbide uncoated
Edgegeometry：02　Specifications：F0S-N02-D20H7-****
OAL：125　LU：65
According to the diameter query table, other dimensions can be known.

焊接铰刀 Welding Reamer

F0S 加长焊接铰刀（外冷）
Lengthening Welding Reamer （External Cooling）





切削刃材料 Cutting Edge Material	适用工件材料 Applicable Workpiece Materials						推荐 Recommend
类别 Category	P钢	M不锈钢	K铸铁	N有色金属	S耐热合金	H高硬度材料	
F0S-N02	○	○	○	◐	○	○	
F0S-I02	○	◐	◐	○	○	○	● 非常合适 Recommend
F0S-C02	◐	○	◐	◐	○	○	
F0S-T02	●	○	◐	○	○	○	
F0S-P02	○	○	○	●	○	○	◐ 某些情况合适 Recommend
F0S-B02	○	○	●	○	○	●	
							○ 次要选择 Recommend
○	○	○	○	○	○	○	○

DC	OAL	LU	L	LS	ZEEP	DCON
5.60-8.88	125	80	10	45	4	12
8.89-15.88	150	105	10	45	6	12
15.89-18.88	175	125	10	50	6	16
18.89-25.88	195	135	10	60	6	20
25.89-32.58	205	145	10	60	6	25
32.59-41.88	205	145	10	60	8	25

直径：20　精度要求：H7　采用无涂层硬质合金切削刃
槽型：02　对应的型号：F0S-N02-D20H7L-****
总长：195　有效深度：135
根据直径可以确定对应的长度和其他尺寸范围。

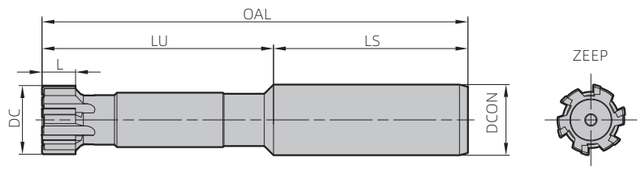
DC：20　Accuracy class：H7　Carbide uncoated
Edgegeometry：02　Specifications：F0S-N02-D20H7L-****
OAL：195　LU：135
According to the diameter query table, other dimensions can be known.

铰刀 Reamer

焊接铰刀 Welding Reamer

F1S 焊接铰刀（内冷）
Welding Reamer （Cooling）





切削刃材料 Cutting Edge Material	适用工件材料 Applicable Workpiece Materials						推荐 Recommend
类别 Category	P钢	M不锈钢	K铸铁	N有色金属	S耐热合金	H高硬度材料	
F1S-N02	○	○	○	◐	○	○	
F1S-I02	○	○	◐	○	○	○	● 非常合适 Recommend
F1S-C02	◐	○	◐	◐	○	○	
F1S-T02	●	○	◐	○	○	○	
F1S-P02	○	○	○	●	○	○	◐ 某些情况合适 Recommend
F1S-B02	○	○	●	○	○	●	
							○ 次要选择 Recommend
●	●	◐	○	○	○	○	○

DC	OAL	LU	L	LS	ZEEP	DCON
5.60-8.88	90	45	10	45	4	12
8.89-15.88	100	55	10	45	6	12
15.89-18.88	105	55	10	50	6	16
18.89-25.88	125	65	10	60	6	20
25.89-32.58	135	75	10	60	6	25
32.59-41.88	135	75	10	60	8	25
41.89-46.00	140	80	10	60	8	32

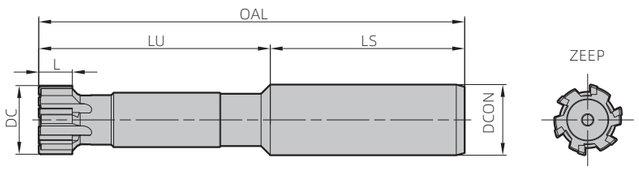
直径：20　精度要求：H7　采用无涂层硬质合金切削刃
槽型：02　对应的型号：F1S-N02-D20H7-****
总长：125　有效深度：65
根据直径可以确定对应的长度和其他尺寸范围。

DC：20　Accuracy class：H7　Carbide uncoated
Edgegeometry：02　Specifications：F1S-N02-D20H7-****
OAL：125　LU：65
According to the diameter query table, other dimensions can be known.

焊接铰刀 Welding Reamer

F1S 加长焊接铰刀（内冷）
Lengthening Welding Reamer （Cooling）





切削刃材料 Cutting Edge Material	适用工件材料 Applicable Workpiece Materials						推荐 Recommend
类别 Category	P钢	M不锈钢	K铸铁	N有色金属	S耐热合金	H高硬度材料	
F1S-N02	○	○	○	◐	○	○	
F1S-I02	○	○	◐	○	○	○	● 非常合适 Recommend
F1S-C02	◐	○	◐	◐	○	○	
F1S-T02	●	○	◐	○	○	○	
F1S-P02	○	○	○	●	○	○	◐ 某些情况合适 Recommend
F1S-B02	○	○	●	○	○	●	
							○ 次要选择 Recommend
	●	●	◐	○	○	○	○	○	

DC	OAL	LU	L	LS	ZEEP	DCON
5.60-8.88	125	80	10	45	4	12
8.89-15.88	150	105	10	45	6	12
15.89-18.88	175	125	10	50	6	16
18.89-25.88	195	135	10	60	6	20
25.89-32.58	205	145	10	60	6	25
32.59-41.88	205	145	10	60	8	25

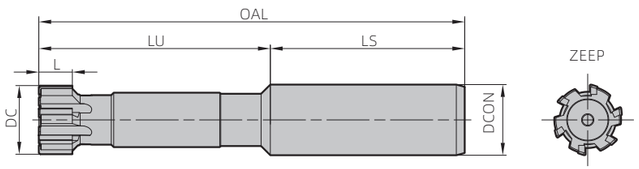
直径：20　精度要求：H7　采用无涂层硬质合金切削刃
槽型：02　对应的型号：F1S-N02-D20H6L-****
总长：195　有效深度：65
根据直径可以确定对应的长度和其他尺寸范围。

DC：20 Accuracy class：H7 Carbide uncoated
Edgegeometry：02 Specifications：F1S-N02-D20H6L-****
OAL：195 LU：65
According to the diameter query table, other dimensions can be know

焊接铰刀 Welding Reamer

F2S 焊接铰刀（径向冷却）
Welding Reamer （Radial Cooling）





切削刃材料 Cutting Edge Material	适用工件材料 Applicable Workpiece Materials						推荐 Recommend
类别 Category	P钢	M不锈钢	K铸铁	N有色金属	S耐热合金	H高硬度材料	
F2S-N02	○	○	○	◐	○	○	
F2S-I02	○	○	◐	○	○	○	● 非常合适 Recommend
F2S-C02	◐	○	◐	◐	○	○	
F2S-T02	●	○	◐	○	○	○	
F2S-P02	○	○	○	●	○	○	◐ 某些情况合适 Recommend
F2S-B02	○	○	●	○	○	●	
							○ 次要选择 Recommend
	○	○	○	○	●	●	◐	◐	

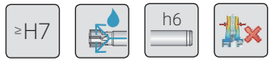
DC	OAL	LU	L	LS	ZEEP	DCON
5.60-8.88	90	45	10	45	4	12
8.89-15.88	100	55	10	45	6	12
15.89-18.88	105	55	10	50	6	16
18.89-25.88	125	65	10	60	6	20
25.89-32.58	135	75	10	60	6	25
32.59-41.88	135	75	10	60	8	25
41.89-46.00	140	80	10	60	8	32

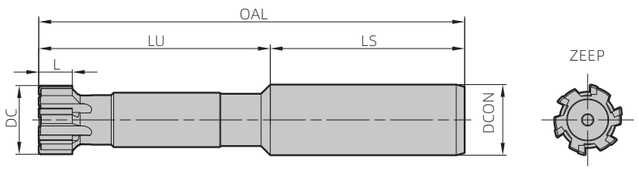
直径：20　精度要求：H6　采用无涂层硬质合金切削刃
槽型：02　对应的型号：F2S-N02-D20H6-****
总长：125 有效深度：65
根据直径可以确定对应的长度和其他尺寸范围。

DC：20 Accuracy class：H7 Carbide uncoated
Edgegeometry：02 Specifications：F2S-N02-D20H6-****
OAL：125 LU：65
According to the diameter query table, other dimensions can be known.

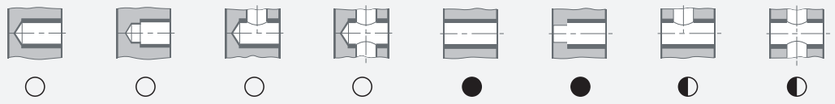
焊接铰刀 Welding Reamer

F2S 加长焊接铰刀（径向冷却）
Lengthening Welding Reamer （Radial Cooling）





切削刃材料 Cutting Edge Material	适用工件材料 Applicable Workpiece Materials						推荐 Recommend
类别 Category	P钢	M不锈钢	K铸铁	N有色金属	S耐热合金	H高硬度材料	
F2S-N02	○	○	○	◐	○	○	
F2S-I02	○	○	◐	○	○	○	● 非常合适 Recommend
F2S-C02	◐	○	◐	◐	○	○	
F2S-T02	●	○	◐	○	○	○	
F2S-P02	○	○	○	●	○	○	◐ 某些情况合适 Recommend
F2S-B02	○	○	●	○	○	●	
							○ 次要选择 Recommend



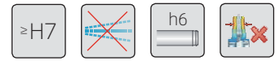
DC	OAL	LU	L	LS	ZEEP	DCON
5.60-8.88	125	80	10	45	4	12
8.89-15.88	150	105	10	45	6	12
15.89-18.88	175	125	10	50	6	16
18.89-25.88	195	135	10	60	6	20
25.89-32.58	205	145	10	60	6	25
32.59-41.88	205	145	10	60	8	25

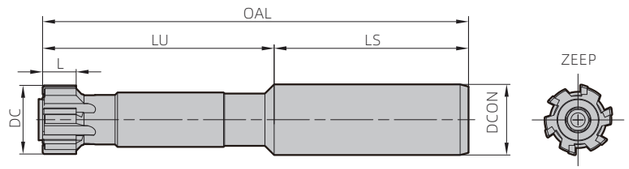
直径：20　精度要求：H7　采用无涂层硬质合金切削刃
槽型：02　对应的型号：F2S-N02-D20H7L-****
总长：195　有效深度：135
根据直径可以确定对应的长度和其他尺寸范围。

DC：20 Accuracy class：H7 Carbide uncoated
Edgegeometry：02 Specifications：F2S-N02-D20H7L-****
OAL：195 LU：135
According to the diameter query table, other dimensions can be known.

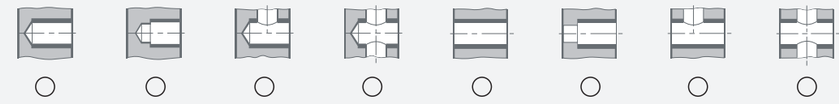
微调焊接铰刀 Micro Adjustment Welding Reamer

A0S 微调焊接铰刀（外冷）
Micro Adjustment Welding Reamer （External Cooling）





切削刃材料 Cutting Edge Material	适用工件材料 Applicable Workpiece Materials						推荐 Recommend
类别 Category	P钢	M不锈钢	K铸铁	N有色金属	S耐热合金	H高硬度材料	
A0S-N02	○	○	○	◐	○	○	
A0S-I02	○	○	◐	○	○	○	● 非常合适 Recommend
A0S-C02	◐	○	◐	◐	○	○	
A0S-T02	●	○	◐	○	○	○	
A0S-P02	○	○	○	●	○	○	◐ 某些情况合适 Recommend
A0S-B02	○	○	●	○	○	●	
							○ 次要选择 Recommend



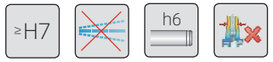
DC	OAL	LU	L	LS	ZEEP	DCON
5.60-8.88	90	45	10	45	4	12
8.89-15.88	100	55	10	45	6	12
15.89-18.88	105	55	10	50	6	16
18.89-25.88	125	65	10	60	6	20
25.89-32.58	135	75	10	60	6	25
32.59-41.88	135	75	10	60	8	25
41.89-46.00	140	80	10	60	8	32

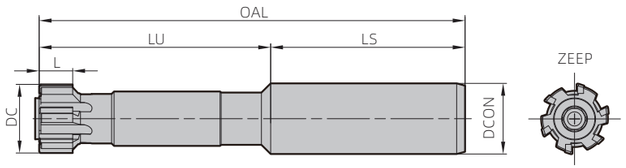
直径：20　精度要求：H6　采用无涂层硬质合金切削刃
槽型：02　对应的型号：A0S-N02-D20H7-****
总长：125　有效深度：65
根据直径可以确定对应的长度和其他尺寸范围。

DC：20 Accuracy class：H7 Carbide uncoated
Edgegeometry：02 Specifications：A0S-N02-D20H7-****
OAL：125 LU：65
According to the diameter query table, other dimensions can be known.

微调焊接铰刀 Micro Adjustment Welding Reamer

A0S 加长微调焊接铰刀（外冷）
Lengthening Micro Adjustment Welding Reamer （External Cooling）





切削刃材料 Cutting Edge Material	适用工件材料 Applicable Workpiece Materials						推荐 Recommend
类别 Category	P钢	M不锈钢	K铸铁	N有色金属	S耐热合金	H高硬度材料	
A0S-N02	○	○	○	◐	○	○	
A0S-I02	○	○	◐	○	○	○	● 非常合适 Recommend
A0S-C02	◐	○	◐	◐	○	○	
A0S-T02	●	○	◐	○	○	○	
A0S-P02	○	○	○	●	○	○	◐ 某些情况合适 Recommend
A0S-B02	○	○	●	○	○	●	
							○ 次要选择 Recommend
○	○	○	○	○	○	○	○

DC	OAL	LU	L	LS	ZEEP	DCON
5.60-8.88	125	80	10	45	4	12
8.89-15.88	150	105	10	45	6	12
15.89-18.88	175	125	10	50	6	16
18.89-25.88	195	135	10	60	6	20
25.89-32.58	205	145	10	60	6	25
32.59-41.88	205	145	10	60	8	25

直径：20　精度要求：H7　采用无涂层硬质合金切削刃
槽型：02　对应的型号：A0S-N02-D20H7L-****
总长：195　有效深度：135
根据直径可以确定对应的长度和其他尺寸范围。

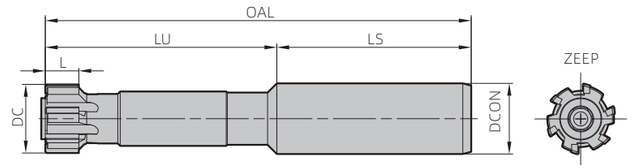
DC：20 Accuracy class：H7 Carbide uncoated
Edgegeometry：02 Specifications：A0S-N02-D20H7L-****
OAL：195 LU：135
According to the diameter query table, other dimensions can be known.

铰刀 Reamer

微调焊接铰刀 Micro Adjustment Welding Reamer

A1S 微调焊接铰刀（内冷）
Micro Adjustment Welding Reamer （Cooling）





切削刃材料 Cutting Edge Material	适用工件材料 Applicable Workpiece Materials						推荐 Recommend
类别 Category	P钢	M不锈钢	K铸铁	N有色金属	S耐热合金	H高硬度材料	
A1S-N02	○	○	○	◐	○	○	
A1S-I02	○	○	◐	○	○	○	● 非常合适 Recommend
A1S-C02	◐	○	◐	◐	○	○	
A1S-T02	●	○	◐	○	○	○	
A1S-P02	○	○	○	●	○	○	◐ 某些情况合适 Recommend
A1S-B02	○	○	●	○	○	●	
							○ 次要选择 Recommend
●	●	◐	○	○	○	○	○

DC	OAL	LU	L	LS	ZEEP	DCON
5.60-8.88	90	45	10	45	4	12
8.89-15.88	100	55	10	45	6	12
15.89-18.88	105	55	10	50	6	16
18.89-25.88	125	65	10	60	6	20
25.89-32.58	135	75	10	60	6	25
32.59-41.88	135	75	10	60	8	25
41.89-46.00	140	80	10	60	8	32

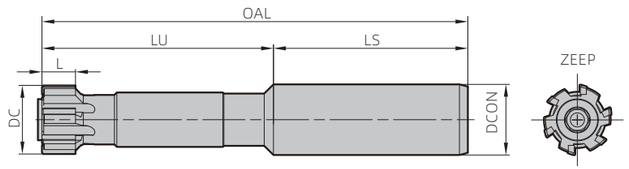
直径：20　精度要求：H6　采用无涂层硬质合金切削刃
槽型：02　对应的型号：A1S-N02-D20H7-****
总长：125　有效深度：65
根据直径可以确定对应的长度和其他尺寸范围。

DC：20 Accuracy class：H7 Carbide uncoated
Edgegeometry：02 Specifications：A1S-N02-D20H7-****
OAL：125 LU：65
According to the diameter query table, other dimensions can be known.

微调焊接铰刀 Micro Adjustment Welding Reamer

A1S 加长微调焊接铰刀（内冷）
Lengthening Micro Adjustment Welding Reamer （Cooling）





切削刃材料 Cutting Edge Material	适用工件材料 Applicable Workpiece Materials						推荐 Recommend
类别 Category	P钢	M不锈钢	K铸铁	N有色金属	S耐热合金	H高硬度材料	
A1S-N02	○	○	○	◐	○	○	
A1S-I02	○	○	◐	○	○	○	● 非常合适 Recommend
A1S-C02	◐	○	◐	◐	○	○	
A1S-T02	●	○	◐	○	○	○	
A1S-P02	○	○	○	●	○	○	◐ 某些情况合适 Recommend
A1S-B02	○	○	●	○	○	●	
							○ 次要选择 Recommend
●	●	◐	○	○	○	○	○

DC	OAL	LU	L	LS	ZEEP	DCON
5.60-8.88	125	80	10	45	4	12
8.89-15.88	150	105	10	45	6	12
15.89-18.88	175	125	10	50	6	16
18.89-25.88	195	135	10	60	6	20
25.89-32.58	205	145	10	60	6	25

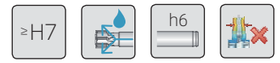
直径：20　精度要求：H7　采用无涂层硬质合金切削刃
槽型：02　对应的型号：A1S-N02-D20H7L-****
总长：195　有效深度：135
根据直径可以确定对应的长度和其他尺寸范围。

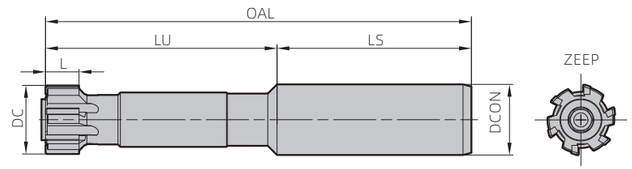
DC：20 Accuracy class：H7 Carbide uncoated
Edgegeometry：02 Specifications：A1S-N02-D20H7L-****
OAL：195 LU：135
According to the diameter query table, other dimensions can be known.

铰刀 Reamer

微调焊接铰刀 Micro Adjustment Welding Reamer

A2S 微调焊接铰刀（径向冷却）
Micro Adjustment Welding Reamer （Radial Cooling）





切削刃材料 Cutting Edge Material	适用工件材料 Applicable Workpiece Materials						推荐 Recommend
类别 Category	P钢	M不锈钢	K铸铁	N有色金属	S耐热合金	H高硬度材料	
A2S-N02	○	○	○	◐	○	○	
A2S-I02	○	○	◐	○	○	○	● 非常合适 Recommend
A2S-C02	◐	○	◐	◐	○	○	
A2S-T02	●	○	◐	○	○	○	
A2S-P02	○	○	○	●	○	○	◐ 某些情况合适 Recommend
A2S-B02	○	○	●	○	○	●	
							○ 次要选择 Recommend
●	●	◐	○	○	○	○	○

DC	OAL	LU	L	LS	ZEEP	DCON
5.60-8.88	90	45	10	45	4	12
8.89-15.88	100	55	10	45	6	12
15.89-18.88	105	55	10	50	6	16
18.89-25.88	125	65	10	60	6	20
25.89-32.58	135	75	10	60	6	25
32.59-41.88	135	75	10	60	8	25
41.89-46.00	140	80	10	60	8	32

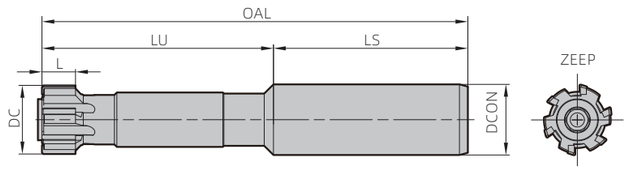
直径：20　精度要求：H6　采用无涂层硬质合金切削刃
槽型：02　对应的型号：A2S-N02-D20H6-****
总长：125　有效深度：65
根据直径可以确定对应的长度和其他尺寸范围。

DC：20 Accuracy class：H7 Carbide uncoated
Edgegeometry：02 Specifications：A2S-N02-D20H7-****
OAL：125 LU：65
According to the diameter query table, other dimensions can be known.

微调焊接铰刀 Micro Adjustment Welding Reamer

A2S | 加长微调焊接铰刀（径向冷却）
Lengthening Micro Adjustment Welding Reamer （Radial Cooling）





切削刃材料 Cutting Edge Material	适用工件材料 Applicable Workpiece Materials						推荐 Recommend
类别 Category	P钢	M不锈钢	K铸铁	N有色金属	S耐热合金	H高硬度材料	
A2S-N02	○	○	○	◐	○	○	
A2S-I02	○	○	◐	○	○	○	● 非常合适 Recommend
A2S-C02	◐	○	◐	◐	○	○	
A2S-T02	●	○	◐	○	○	○	
A2S-P02	○	○	○	●	○	○	◐ 某些情况合适 Recommend
A2S-B02	○	○	●	○	○	●	
							○ 次要选择 Recommend
	●	●	◐	○	○	○	○	○	

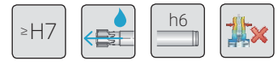
DC	OAL	LU	L	LS	ZEEP	DCON
5.60-8.88	125	80	10	45	4	12
8.89-15.88	150	105	10	45	6	12
15.89-18.88	175	125	10	50	6	16
18.89-25.88	195	135	10	60	6	20
25.89-32.58	205	145	10	60	6	25
32.59-41.88	205	145	10	60	8	25

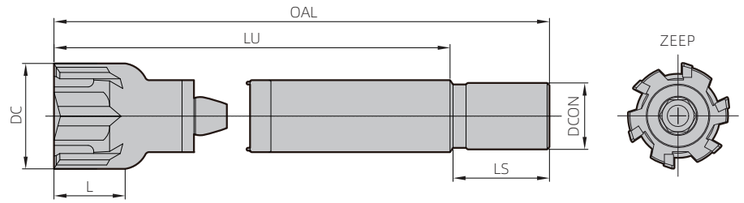
直径：20 精度要求：H7 采用无涂层硬质合金切削刃
槽型：02 对应的型号：A2S-N02-D20H7L-****
总长：195 有效深度：135
根据直径可以确定对应的长度和其他尺寸范围。

DC：20 Accuracy class：H7 Carbide uncoated
Edgegeometry：02 Specifications：A2S-N02-D20H7L-****
OAL：195 LU：135
According to the diameter query table, other dimensions can be known.

可换头铰刀 Interchangeable Head Reamer

M1S-C | 可换头铰刀（内冷）
Interchangeable Head Reamer（Cooling）





切削刃材料 Cutting Edge Material	适用工件材料 Applicable Workpiece Materials						推荐 Recommend
类别 Category	P钢	M不锈钢	K铸铁	N有色金属	S耐热合金	H高硬度材料	
M1S-N02	○	○	○	◐	○	○	
M1S-I02	○	○	◐	○	○	○	● 非常合适 Recommend
M1S-C02	◐	○	◐	◐	○	○	
M1S-T02	●	○	◐	○	○	○	
M1S-P02	○	○	○	●	○	○	◐ 某些情况合适 Recommend
M1S-B02	○	○	●	○	○	●	
							○ 次要选择 Recommend
	●	●	◐	○	○	○	○	○	

DC	OAL	LU	L	LS	ZEEP	DCON
14.000-15.999	110	56	25	50	6	16
16.000-17.999	130	75	25	50	6	20
18.000-19.999	130	80	25	50	6	20
20.000-21.999	130	80	25	50	6	20
22.000-26.999	130	80	25	50	6	20
27.000-31.999	175	120	25	50	6	25
32 000-35.999	175	120	25	55	6	25
36.000-43.999	175	120	25	55	6	25
44.000-51.999	180	120	30	60	6	32
52 .000-65.000	180	120	35	60	8	32

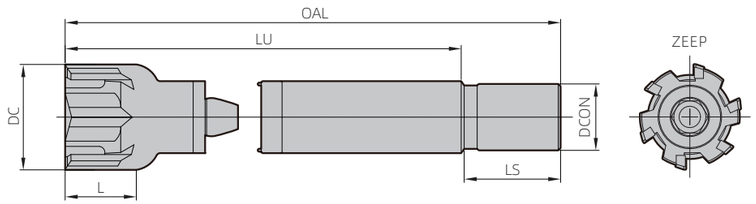
直径20，精度要求H7，采用无涂层硬质合金切削刃，槽型 02；
对应的刀头型号为：M1S-N02-D20H7-****；
采用钢制品杆体，带中心出水，圆柱柄；
对应的刀杆型号为：M1SC-20~22-****；
其总长为130 有效深度为80,根据直径可以确定对应的长度和其他尺寸范围。

DC：20 Accuracy class：H7 Carbide uncoated Edgegeometry：02
Cutter head specifications：M1S-N02-D20H7-****
OAL：130 LU：80
Rod body specifications：M1SC-20~22-****
According to the diameter query table, other dimensions can be known.

可换头铰刀 Interchangeable Head Reamer

M2S-C | 可换头铰刀（径向冷却） Interchangeable Head Reamer（Radial Cooling）





切削刃材料 Cutting Edge Material	适用工件材料 Applicable Workpiece Materials						推荐 Recommend
类别 Category	P钢	M不锈钢	K铸铁	N有色金属	S耐热合金	H高硬度材料	
M2S-N02	○	○	○	◐	○	○	
M2S-I02	○	○	◐	○	○	○	● 非常合适 Recommend
M2S-C02	◐	○	◐	◐	○	○	
M2S-T02	●	○	◐	○	○	○	
M2S-P02	○	○	○	●	○	○	◐ 某些情况合适 Recommend
M2S-B02	○	○	●	○	○	●	
							○ 次要选择 Recommend
	○	○	○	○	●	●	◐ ◐

DC	OAL	LU	L	LS	ZEEP	DCON
14.000-15.999	110	56	25	50	6	16
16.000-17.999	130	75	25	50	6	20
18.000-19.999	130	80	25	50	6	20
20.000-21.999	130	80	25	50	6	20
22.000-26.999	130	80	25	50	6	20
27.000-31.999	175	120	25	50	6	25
32.000-35.999	175	120	25	55	6	25
36.000-43.999	175	120	25	55	6	25
44.000-51.999	180	120	30	60	6	32
52..000-65.000	180	120	35	60	8	32

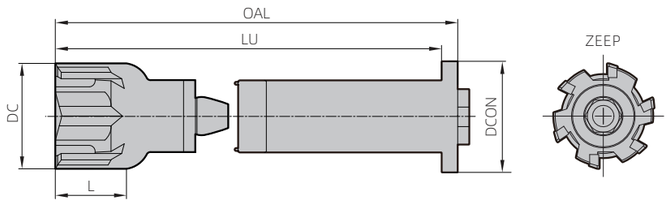
直径20，精度要求H7，采用无涂层硬质合金切削刃，槽型 02；
对应的刀头型号为：M2S-N02-D20H7-****；
采用钢制品杆体，带中心出水，圆柱柄；
对应的刀杆型号为：M2SC-20~22-****；
其总长为130 有效深度为80,根据直径可以确定对应的长度和其他尺寸范围。

DC：20 Accuracy class：H7 Carbide uncoated Edgegeometry：02
Cutter head specifications：M2S-N02-D20H7-****
OAL：130 LU：80
Rod body specifications：M2SC-20~22-****
According to the diameter query table, other dimensions can be known.

可换头铰刀 Interchangeable Head Reamer

M1S-F | 法兰柄可换头铰刀（内冷） Flange Interchangeable Head Reamer（Cooling）





切削刃材料 Cutting Edge Material	适用工件材料 Applicable Workpiece Materials						推荐 Recommend
类别 Category	P钢	M不锈钢	K铸铁	N有色金属	S耐热合金	H高硬度材料	
M1S-N02	○	○	○	◐	○	○	
M1S-I02	○	○	◐	○	○	○	● 非常合适 Recommend
M1S-C02	◐	○	◐	◐	○	○	
M1S-T02	●	○	◐	○	○	○	
M1S-P02	○	○	○	●	○	○	◐ 某些情况合适 Recommend
M1S-B02	○	○	●	○	○	●	
							○ 次要选择 Recommend
	●	●	◐	○	○	○	○ ○

DC	OAL	LU	L	LS	ZEEP	DCON
36.000-43.999	135	120	25	-	8	MD80
44.000-51.999	135	120	30	-	8	MD80
52.000-65.000	135	120	35	-	12	MD80

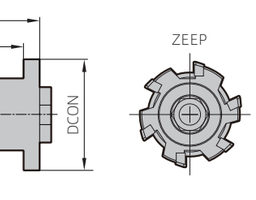
直径40，精度要求H7，采用无涂层硬质合金切削刃，槽型 02；
对应的刀头型号为：M1S-N02-D40H7-****；
采用钢制品杆体，带中心出水，圆柱柄；
对应的刀杆型号为：M1SF-36~44-****；
其总长为130 有效深度为80,根据直径可以确定对应的长度和其他尺寸范围。

DC：40 Accuracy class：H7 Carbide uncoated Edgegeometry：02
Cutter head specifications：M1S-N02-D40H7-****
OAL：130 LU：80
Rod body specifications：M1SF-36~44-****
According to the diameter query table, other dimensions can be known.

可换头铰刀 Interchangeable Head Reamer

M2S-F

法兰柄可换头铰刀（径向冷却）
Flange Interchangeable Head Reamer（Radial Cooling）



切削刃材料 Cutting Edge Material	适用工件材料 Applicable Workpiece Materials						推荐 Recommend
类别 Category	P钢	M不锈钢	K铸铁	N有色金属	S耐热合金	H高硬度材料	
M2S-N02	○	○	○	◐	○	○	
M2S-I02	○	○	◐	○	○	○	● 非常合适 Recommend
M2S-C02	◐	○	◐	◐	○	○	
M2S-T02	●	○	◐	○	○	○	
M2S-P02	○	○	○	●	○	○	◐ 某些情况合适 Recommend
M2S-B02	○	○	●	○	○	●	
							○ 次要选择 Recommend
○	○	○	○	●	●	◐	◐

DC	OAL	LU	L	LS	ZEEP	DCON
36.000-43.999	135	120	25	-	8	MD80
44.000-51.999	135	120	30	-	8	MD80
52.000-65.000	135	120	35	-	12	MD80

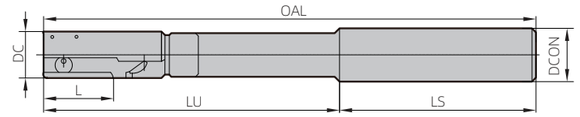
直径36，精度要求H7，采用无涂层硬质合金切削刃，槽型 02；
对应的刀头型号为：M2S-N02-D36H7-****;
采用钢制品杆体，带中心出水，圆柱柄;
对应的刀杆型号为：M2SF-36~44-****;
其总长为130 有效深度为80,根据直径可以确定对应的长度和其他尺寸范围。

DC：36 Accuracy class：H7 Carbide uncoated Edgegeometry：02
Cutter head specifications：M2S-N02-D36H7-****
OAL：130 LU：80
Rod body specifications：M2SF-36~44-****
According to the diameter query table, other dimensions can be known.

单刃铰刀 Single Angle Reamer

S2S-C

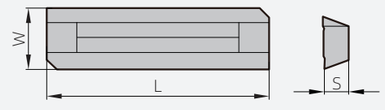
单刃铰刀（径向冷却）
Single Angle Reamer（Radial Cooling）



切削刃材料 Cutting Edge Material	适用工件材料 Applicable Workpiece Materials						推荐 Recommend
类别 Category	P钢	M不锈钢	K铸铁	N有色金属	S耐热合金	H高硬度材料	
M2S-N02	○	○	○	◐	○	○	
M2S-I02	○	○	◐	○	○	○	● 非常合适 Recommend
M2S-C02	◐	○	◐	◐	○	○	
M2S-T02	●	○	◐	○	○	○	
M2S-P02	○	○	○	●	○	○	◐ 某些情况合适 Recommend
M2S-B02	○	○	●	○	○	●	
							○ 次要选择 Recommend
○	○	○	○	●	●	◐	◐

DC	OAL	LU	L	LS	DCON	刀片型号 Blade Model
8.30-8.79	133	85	15	48	16	0
8.80-9.29	133	85	15	48	16	0
9.30-11.29	133	85	22	48	16	0
11.30-11.79	133	85	22	48	16	0
11.80-12.29	168	120	22	48	16	0
12.30-14.29	168	120	22	48	16	1
14.30-16.29	170	120	22	50	20	1
16.30-17.29	170	120	22	50	20	2
17.3-19.79	170	120	22	50	20	2
19.80-24.79	170	120	22	50	20	2
24.80-28.79	170	120	30	50	20	3
27.80-28.79	170	120	30	50	20	3
28.80-31.79	170	120	30	50	20	3
31.80-37.79	170	120	30	50	20	3
37.80-50.29	176	120	30	56	25	3

刀片型号 Blade Model	L	W	S
IA0	15	2.8	1.5
IA1	22	4.0	2.0
IA2	22	5.0	2.5
IA3	30	6.6	3.0

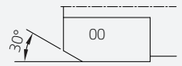
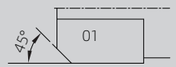
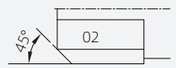
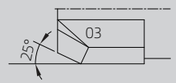
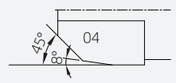
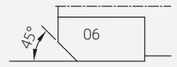
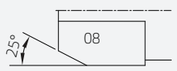
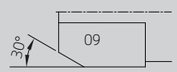
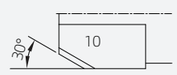


直径：40 精度：H7
径向冷却 对应的型号为：S2S-IA302-D40H6-****
对应刀片型号：IA3 刃型02

DC：40 Accuracy class：H7
Radial Cooling Rod body specifications：S2S-IA302-D40H6-****
Insert specifications：IA3 Edgegeometry：02

技术资料 Technical Data

切削刃结构说明 Explanation of Cutting Edge Structure

刃型代码 Cutting Edgegeometry	图示 Illustration	说明 Define	应用 Occasion
00		直槽 Straight	通用 Currency
01		直槽 Straight	通用 Currency
02		直槽，带径向前角 Straight，Radial Rake	通用 Currency
03		直槽，带轴向负前角,下排屑 Straight，Axial Negative Angle	通孔 Through-hole
04		直槽，带修光刃 Straight，Wiper	通用 Currency
05		右旋，上排屑 Dextrorotation	盲孔 Blind Hole
06		右旋，上排屑 Dextrorotation	盲孔 Blind Hole
07		右旋，带轴向前角，上排屑 Dextrorotation，Axial Angle	盲孔 Blind Hole
08		左旋，下排屑 Counter-clockwise	通孔 Through-hole
09		左旋，下排屑 Counter-clockwise	通孔 Through-hole
10		左旋，带轴向前角下排屑 Counter-clockwise，Axial Angle	通孔 Through-hole

铰刀 Reamer



BA

IDPL BACK PULL DRILL
IDPL后拉式皇冠钻

Nomenclature
命名规则 **BA003-004**

Type-IDPL Back Pull Drill Tip
IDPL后拉式皇冠钻尖 **BA005-009**

- IDPL-P13 ..... BA005-005
- IDPL-PM15 ..... BA006-006
- IDPL-P25 ..... BA007-007
- IDPL-P35 ..... BA008-008
- IDPL-P35-C BA009-009

Type-IDPL Back Pull Drill Body
IDPL后拉式皇冠钻杆 **BA011-020**

- IDPL-3D BA011-012
- IDPL-5D BA013-014
- IDPL-7D BA015-016
- IDPL-8.5D BA017-018
- IDPL-10D BA019-020
- IDPL-12D BA021-022

Recommended Table Of Processing Parameters
加工参数推荐表 **BA023-024**

可换头钻头 Indexable Tip Drill

IDPL 后拉式钻尖命名规则 Back Pull Drill Tip Nomenclature

类别说明 Category Description			
第一位钻尖类型 first drill tip type		第二位结构类别 second structure category	
ID	可换头 interchangeable head	PL	后拉式 pull back type
		SL	自锁式 self-locking type

槽型及材质 Groove Type And Material					
第一位基材类别 first base material category		第二位 槽型 second slot		第三位 涂层 third coating	
P	钢系 Steel	1	通用槽型 general chip breaker	1	硅系 silicon
K	铸铁系 Cast iron	2	通用槽型 general chip breaker	3	钛系 titanium
M	不锈钢系 stainless steel	3	铸铁专用 Special for cast iron	5	铬系 chromium
S	耐热合金 heat-resisting alloy	4	平底钻专用 Special for flat bottom drill	7	铝、复合 alumium\composite
H	淬火料 quenching material	5	不锈钢专用 Special for stainless steel		
N	有色金属 non-ferrous metal	6	高精度定心 High precision centering		
O	复合材料 combined material				

I	D	P	L	1	3	8	0	P	1	3	*	*	*	*

尺寸说明 Size Description			
第一位 first	第二位 second	第三位 third	第四位 fourth
十位数 tens digit	个位数 single digits	小数点第一位 first decimal place	小数点第二位 second decimal place

特别说明 Special Description							
第一位 改款类别 first modified catagory		第二位 second		第三位 third		第四位 fourth	
C	中心式 central type	特定识别码 specific groove type		特定识别码 specific groove type		特定识别码 specific groove type	
B	非标品 non-standard						
A	标准品 standard						

可换头钻头 Indexable Tip Drill

IDPL 后拉式钻体命名规则 Back Pull Drill Body Nomenclature

类别说明 Category Description			
第一位钻尖类型 first drill point type		第二位结构类别 second structure category	
ID	可换头 interchangeable head	PL	后拉式 pull back type
		SL	自锁式 self-locking type

标准、倍径说明 Standard/Diameter Times Description			
第一位基材类别 first base material category		第二位 倍径 second diameter	
ED	标准1 standard1	03	3倍径 3D
FD	标准2 standard2	05	5倍径 5D
		07	7倍径 7D
		8.5	8.5倍径 8.5D
		10	10倍径 10D
		12	12倍径 12D

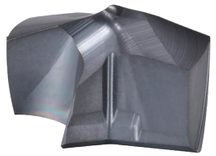
夹持结构说明 Clamping Structure Description			
第一位标准类别 first drill point type		第二位 公称尺寸 second digit nominal size	
C	ISO-9766		
D	DIN6535-HE		
S	DIN6535-HB		

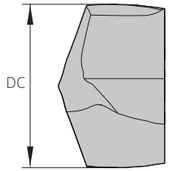
I	D	P	L	1	3	5	E	D	0	5	C	#	*	*	*	*

尺寸说明 Size Description		
第一位 first	第二位 second	第三位 third
十位数 tens digit	个位数 single digits	小数点第一位 first decimal place

特别说明 Special Description							
第一位 改款类别 first modified catagory		第二位 second		第三位 third		第四位 fourth	
C	中心式 central type	特定识别码 specific groove type		特定识别码 specific groove type		特定识别码 specific groove type	
B	非标品 non-standard						
A	标准品 standard						

IDPL-P13 后拉式钻尖 Type- back Pull Drill Tip





Ti | h8 | 140°

1.切削参数请参考BA023
2.单位：mm
3.所有钻体应使用指定标识刀片
4.刀片单独订购

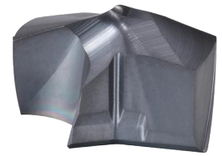
1.Please refer to BA023 for cutting parameters.
2.Unit：mm
3.All drill bodies shall use the specified identifying insert.
4.Insert ordered separately.

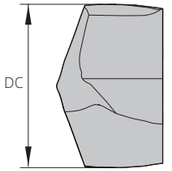
型号 Specification	DC	MIID
IDPL1250P13	12.50	C
IDPL1300P13	13.00	C
IDPL1350P13	13.50	C
IDPL1400P13	14.00	B
IDPL1450P13	14.50	B
IDPL1500P13	15.00	A
IDPL1550P13	15.50	A
IDPL1600P13	16.00	1
IDPL1650P13	16.50	1
IDPL1700P13	17.00	1
IDPL1750P13	17.50	1
IDPL1800P13	18.00	1
IDPL1850P13	18.50	2
IDPL1900P13	19.00	2
IDPL1950P13	19.50	2
IDPL2000P13	20.00	3
IDPL2050P13	20.50	3
IDPL2100P13	21.00	3
IDPL2150P13	21.50	3
IDPL2200P13	22.00	3
IDPL2250P13	22.50	4
IDPL2300P13	23.00	4
IDPL2350P13	23.50	4
IDPL2400P13	24.00	4
IDPL2450P13	24.50	5
IDPL2500P13	25.00	5
IDPL2550P13	25.50	5
IDPL2600P13	26.00	5
IDPL2650P13	26.50	6
IDPL2700P13	27.00	6
IDPL2750P13	27.50	6
IDPL2800P13	28.00	6
IDPL2850P13	28.50	7

型号 Specification	DC	MIID
IDPL2900P13	29.00	7
IDPL2950P13	29.50	7
IDPL3000P13	30.00	7
IDPL3050P13	30.50	8
IDPL3100P13	31.00	8
IDPL3150P13	31.50	8
IDPL3200P13	32.00	8
IDPL3250P13	32.50	9
IDPL3300P13	33.00	9
IDPL3350P13	33.50	9
IDPL3400P13	34.00	9
IDPL3450P13	34.50	9
IDPL3500P13	35.00	9
IDPL3550P13	35.50	9
IDPL3600P13	36.00	9
IDPL3650P13	36.50	10
IDPL3700P13	37.00	10
IDPL3750P13	37.50	10
IDPL3800P13	38.00	10
IDPL3850P13	38.50	10
IDPL3900P13	39.00	10
IDPL3950P13	39.50	10
IDPL4000P13	40.00	10

可换头钻头 Interchangeable Tip Drill

IDPL-PM15 后拉式钻尖 Type- back Pull Drill Tip





Ti | h8 | 140°

1.切削参数请参考BA023
2.单位：mm
3.所有钻体应使用指定标识刀片
4.刀片单独订购

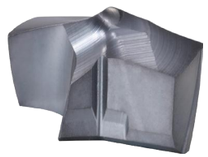
1.Please refer to BA023 for cutting parameters.
2.Unit：mm
3.All drill bodies shall use the specified identifying insert.
4.Insert ordered separately.

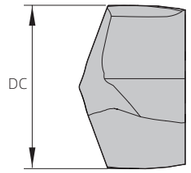
型号 Specification	DC	MIID
IDPL1250PM15	12.50	C
IDPL1300PM15	13.00	C
IDPL1350PM15	13.50	C
IDPL1400PM15	14.00	B
IDPL1450PM15	14.50	B
IDPL1500PM15	15.00	A
IDPL1550PM15	15.50	A
IDPL1600PM15	16.00	1
IDPL1650PM15	16.50	1
IDPL1700PM15	17.00	1
IDPL1750PM15	17.50	1
IDPL1800PM15	18.00	1
IDPL1850PM15	18.50	2
IDPL1900PM15	19.00	2
IDPL1950PM15	19.50	2
IDPL2000PM15	20.00	3
IDPL2050PM15	20.50	3
IDPL2100PM15	21.00	3
IDPL2150PM15	21.50	3
IDPL2200PM15	22.00	3
IDPL2250PM15	22.50	4
IDPL2300PM15	23.00	4
IDPL2350PM15	23.50	4
IDPL2400PM15	24.00	4
IDPL2450PM15	24.50	5
IDPL2500PM15	25.00	5
IDPL2550PM15	25.50	5
IDPL2600PM15	26.00	5
IDPL2650PM15	26.50	6
IDPL2700PM15	27.00	6
IDPL2750PM15	27.50	6
IDPL2800PM15	28.00	6
IDPL2850PM15	28.50	7

型号 Specification	DC	MIID
IDPL2900PM15	29.00	7
IDPL2950PM15	29.50	7
IDPL3000PM15	30.00	7
IDPL3050PM15	30.50	8
IDPL3100PM15	31.00	8
IDPL3150PM15	31.50	8
IDPL3200PM15	32.00	8
IDPL3250PM15	32.50	9
IDPL3300PM15	33.00	9
IDPL3350PM15	33.50	9
IDPL3400PM15	34.00	9
IDPL3450PM15	34.50	9
IDPL3500PM15	35.00	9
IDPL3550PM15	35.50	9
IDPL3600PM15	36.00	9
IDPL3650PM15	36.50	10
IDPL3700PM15	37.00	10
IDPL3750PM15	37.50	10
IDPL3800PM15	38.00	10
IDPL3850PM15	38.50	10
IDPL3900PM15	39.00	10
IDPL3950PM15	39.50	10
IDPL4000PM15	40.00	10

分体式钻头 Split Drill

IDPL-P25 后拉式钻尖 Type- back Pull Drill Tip





Ti | h8 | 140°

1.切削参数请参考BA023
2.单位：mm
3.所有钻体应使用指定标识刀片
4.刀片单独订购

1.Please refer to BA023 for cutting parameters.
2.Unit：mm
3.All drill bodies shall use the specified identifying insert.
4.Insert ordered separately.

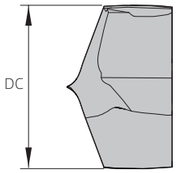
型号 Specification	DC	MIID
IDPL1250P25	12.50	C
IDPL1300P25	13.00	C
IDPL1350P25	13.50	C
IDPL1400P25	14.00	B
IDPL1450P25	14.50	B
IDPL1500P25	15.00	A
IDPL1550P25	15.50	A
IDPL1600P25	16.00	1
IDPL1650P25	16.50	1
IDPL1700P25	17.00	1
IDPL1750P25	17.50	1
IDPL1800P25	18.00	1
IDPL1850P25	18.50	2
IDPL1900P25	19.00	2
IDPL1950P25	19.50	2
IDPL2000P25	20.00	3
IDPL2050P25	20.50	3
IDPL2100P25	21.00	3
IDPL2150P25	21.50	3
IDPL2200P25	22.00	3
IDPL2250P25	22.50	4
IDPL2300P25	23.00	4
IDPL2350P25	23.50	4
IDPL2400P25	24.00	4
IDPL2450P25	24.50	5
IDPL2500P25	25.00	5
IDPL2550P25	25.50	5
IDPL2600P25	26.00	5
IDPL2650P25	26.50	6
IDPL2700P25	27.00	6
IDPL2750P25	27.50	6
IDPL2800P25	28.00	6
IDPL2850P25	28.50	7

型号 Specification	DC	MIID
IDPL2900P25	29.00	7
IDPL2950P25	29.50	7
IDPL3000P25	30.00	7
IDPL3050P25	20.50	8
IDPL3100P25	31.00	8
IDPL3150P25	31.50	8
IDPL3200P25	32.00	8
IDPL3250P25	32.50	9
IDPL3300P25	33.00	9
IDPL3350P25	33.50	9
IDPL3400P25	34.00	9
IDPL3450P25	34.50	9
IDPL3500P25	35.00	9
IDPL3550P25	35.50	9
IDPL3600P25	36.00	10
IDPL3650P25	36.50	10
IDPL3700P25	37.00	10
IDPL3750P25	37.50	10
IDPL3800P25	38.00	10
IDPL3850P25	38.50	10
IDPL3900P25	39.00	10
IDPL3950P25	39.50	10
IDPL4000P25	40.00	10

可换头钻头 Interchangeable Tip Drill

IDPL-P35 后拉式钻尖 Type- back Pull Drill Tip





Ti | h8 | 140°

1.切削参数请参考BA023
2.单位：mm
3.所有钻体应使用指定标识刀片
4.刀片单独订购

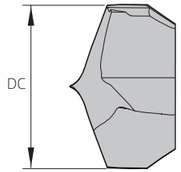
1.Please refer to BA023 for cutting parameters.
2.Unit：mm
3.All drill bodies shall use the specified identifying insert.
4.Insert ordered separately.

型号 Specification	DC	MIID
IDPL1250P35	12.50	C
IDPL1300P35	13.00	C
IDPL1350P35	13.50	C
IDPL1400P35	14.00	B
IDPL1450P35	14.50	B
IDPL1500P35	15.00	A
IDPL1550P35	15.50	A
IDPL1600P35	16.00	1
IDPL1650P35	16.50	1
IDPL1700P35	17.00	1
IDPL1750P35	17.50	1
IDPL1800P35	18.00	1
IDPL1850P35	18.50	2
IDPL1900P35	19.00	2
IDPL1950P35	19.50	2
IDPL2000P35	20.00	3
IDPL2050P35	20.50	3
IDPL2100P35	21.00	3
IDPL2150P35	21.50	3
IDPL2200P35	22.00	3
IDPL2250P35	22.50	4
IDPL2300P35	23.00	4
IDPL2350P35	23.50	4
IDPL2400P35	24.00	4
IDPL2450P35	24.50	5
IDPL2500P35	25.00	5
IDPL2550P35	25.50	5
IDPL2600P35	26.00	5
IDPL2650P35	26.50	6
IDPL2700P35	27.00	6
IDPL2750P35	27.50	6
IDPL2800P35	28.00	6
IDPL2850P35	28.50	7

型号 Specification	DC	MIID
IDPL2900P35	29.00	7
IDPL2950P35	29.50	7
IDPL3000P35	30.00	7
IDPL3050P35	20.50	8
IDPL3100P35	31.00	8
IDPL3150P35	31.50	8
IDPL3200P35	32.00	8
IDPL3250P35	32.50	9
IDPL3300P35	33.00	9
IDPL3350P35	33.50	9
IDPL3400P35	34.00	9
IDPL3450P35	34.50	9
IDPL3500P35	35.00	9
IDPL3550P35	35.50	9
IDPL3600P35	36.00	9
IDPL3650P35	36.50	10
IDPL3700P35	37.00	10
IDPL3750P35	37.50	10
IDPL3800P35	38.00	10
IDPL3850P35	38.50	10
IDPL3900P35	39.00	10
IDPL3950P35	39.50	10
IDPL4000P35	40.00	10

IDPL-P35-C | 后拉式钻尖-大径中心刃
Type-back Pull Drill Tip - Center Edge Of Large Diameter





Ti | h8 | 140°

1.切削参数请参考BA023
2.单位：mm
3.所有钻体应使用指定标识刀片
4.刀片单独订购

1.Please refer to BA023 for cutting parameters.
2.Unit：mm
3.All drill bodies shall use the specified identifying insert.
4.Insert ordered separately.

型号 Specification	DC	MIID
IDPL1250P35-C	12.50	C
IDPL1300P35-C	13.00	C
IDPL1350P35-C	13.50	C
IDPL1400P35-C	14.00	B
IDPL1450P35-C	14.50	B
IDPL1500P35-C	15.00	A
IDPL1550P35-C	15.50	A
IDPL1600P35-C	16.00	1
IDPL1650P35-C	16.50	1
IDPL1700P35-C	17.00	1
IDPL1750P35-C	17.50	1
IDPL1800P35-C	18.00	1
IDPL1850P35-C	18.50	2
IDPL1900P35-C	19.00	2
IDPL1950P35-C	19.50	2
IDPL2000P35-C	20.00	3
IDPL2050P35-C	20.50	3
IDPL2100P35-C	21.00	3
IDPL2150P35-C	21.50	3
IDPL2200P35-C	22.00	3
IDPL2250P35-C	22.50	4
IDPL2300P35-C	23.00	4
IDPL2350P35-C	23.50	4
IDPL2400P35-C	24.00	4
IDPL2450P35-C	24.50	5
IDPL2500P35-C	25.00	5
IDPL2550P35-C	25.50	5
IDPL2600P35-C	26.00	5
IDPL2650P35-C	26.50	6
IDPL2700P35-C	27.00	6
IDPL2750P35-C	27.50	6
IDPL2800P35-C	28.00	6
IDPL2850P35-C	28.50	7

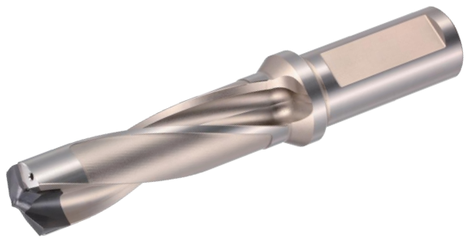
型号 Specification	DC	MIID
IDPL2900P35-C	29.00	7
IDPL2950P35-C	29.50	7
IDPL3000P35-C	30.00	7
IDPL3050P35-C	20.50	8
IDPL3100P35-C	31.00	8
IDPL3150P35-C	31.50	8
IDPL3200P35-C	32.00	8
IDPL3250P35-C	32.50	9
IDPL3300P35-C	33.00	9
IDPL3350P35-C	33.50	9
IDPL3400P35-C	34.00	9
IDPL3450P35-C	34.50	9
IDPL3500P35-C	35.00	9
IDPL3550P35-C	35.50	9
IDPL3600P35-C	36.00	9
IDPL3650P35-C	36.50	10
IDPL3700P35-C	37.00	10
IDPL3750P35-C	37.50	10
IDPL3800P35-C	38.00	10
IDPL3850P35-C	38.50	10
IDPL3900P35-C	39.00	10
IDPL3950P35-C	39.50	10
IDPL4000P35-C	40.00	10

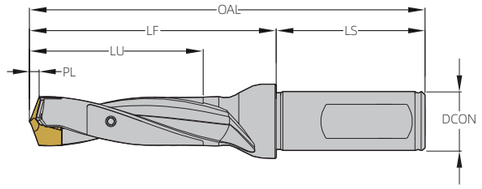
可换头钻头 Interchangeable Tip Drill

分体式钻头
Split Drill

TORKOOL

IDPL 后拉式钻体(3D) Type-pull Back Drill Body(3D)





Ni | ISO h7

1.单位：mm
2.所有钻体应使用指定标识刀片
3.刀片单独订购

1..Unit：mm
2.All drill bodies shall use the specified identifying insert.
3.Insert ordered separately.

型号 Specification	DCN	DCX	OAL	LU	LF	PL	DCON	LS	MIID		
IDPL125ED03C20	12.50	12.99	127.50	39.00	77.50	2.00	20.00	50.00	C	BAHR01	BAHR07
IDPL130ED03C20	13.00	13.49	130.00	41.00	80.00	2.10	20.00	50.00	C	BAHR01	BAHR07
IDPL135ED03C20	13.50	13.99	132.50	42.00	82.50	2.20	20.00	50.00	B	BAHR01	BAHR07
IDPL140ED03C20	14.00	14.49	135.00	44.00	85.00	2.20	20.00	50.00	B	BAHR01	BAHR07
IDPL145ED03C20	14.50	14.99	136.50	45.00	86.50	2.30	20.00	50.00	A	BAHR01	BAHR07
IDPL150ED03C20	15.00	15.49	139.00	47.00	89.00	2.40	20.00	50.00	A	BAHR01	BAHR07
IDPL155ED03C20	15.50	15.99	141.50	48.00	91.50	2.50	20.00	50.00	A	BAHR01	BAHR07
IDPL160ED03C20	16.00	16.49	143.00	50.00	93.00	2.50	20.00	50.00	1	BAHR02	BAHR0a
IDPL165ED03C20	16.50	16.99	145.50	51.00	95.50	2.60	20.00	50.00	1	BAHR02	BAHR0a
IDPL170ED03C20	17.00	17.49	148.00	53.00	98.00	2.70	20.00	50.00	1	BAHR02	BAHR0a
IDPL175ED03C20	17.50	17.99	150.00	54.00	100.00	2.80	20.00	50.00	1	BAHR02	BAHR0a
IDPL180ED03C25	18.00	18.49	159.00	56.00	103.00	2.90	25.00	56.00	2	BAHR03	BAHR0e
IDPL185ED03C25	18.50	18.99	161.50	57.00	105.50	2.90	25.00	56.00	2	BAHR03	BAHR0e
IDPL190ED03C25	19.00	19.49	164.00	59.00	108.00	3.00	25.00	56.00	2	BAHR03	BAHR0e
IDPL195ED03C25	19.50	19.99	165.50	60.00	109.50	3.10	25.00	56.00	2	BAHR03	BAHR0e
IDPL200ED03C25	20.00	20.49	168.00	62.00	112.00	3.20	25.00	56.00	3	BAHR03	BAHR0e
IDPL205ED03C25	20.50	20.99	170.50	63.00	114.50	3.30	25.00	56.00	3	BAHR03	BAHR0e
IDPL210ED03C25	21.00	21.49	172.00	65.00	116.00	3.30	25.00	56.00	3	BAHR03	BAHR0e
IDPL215ED03C25	21.50	21.99	174.50	66.00	118.50	3.40	25.00	56.00	3	BAHR03	BAHR0e
IDPL220ED03C25	22.00	22.49	177.00	68.00	121.00	3.50	25.00	56.00	4	BAHR03	BAHR0e
IDPL225ED03C25	22.50	22.99	179.00	69.00	123.00	3.60	25.00	56.00	4	BAHR03	BAHR0e
IDPL230ED03C25	23.00	23.49	181.00	71.00	125.00	3.70	25.00	56.00	4	BAHR03	BAHR0e
IDPL235ED03C25	23.50	23.99	183.50	72.00	127.50	3.70	25.00	56.00	4	BAHR03	BAHR0e
IDPL240ED03C32	24.00	24.49	196.00	74.00	136.00	3.80	32.00	60.00	5	BAHR04	BAHR0k
IDPL245ED03C32	24.50	24.99	197.50	75.00	137.50	3.90	32.00	60.00	5	BAHR04	BAHR0h
IDPL250ED03C32	25.00	25.49	200.00	77.00	140.00	3.80	32.00	60.00	5	BAHR04	BAHR0h
IDPL255ED03C32	25.50	25.99	202.50	78.00	142.50	3.90	32.00	60.00	5	BAHR04	BAHR0h
IDPL260ED03C32	26.00	26.49	204.00	80.00	144.00	4.00	32.00	60.00	6	BAHR04	BAHR0h
IDPL265ED03C32	26.50	26.99	206.50	81.00	146.50	4.10	32.00	60.00	6	BAHR04	BAHR0h
IDPL270ED03C32	27.00	27.49	209.00	83.00	149.00	4.20	32.00	60.00	6	BAHR04	BAHR0h
IDPL275ED03C32	27.50	27.99	211.00	84.00	151.00	4.20	32.00	60.00	6	BAHR04	BAHR0h
IDPL280ED03C32	28.00	28.49	213.00	86.00	153.00	4.30	32.00	60.00	7	BAHR05	BAHR0k
IDPL285ED03C32	28.50	28.99	215.50	87.00	155.50	4.40	32.00	60.00	7	BAHR05	BAHR0k
IDPL290ED03C32	29.00	29.49	218.00	89.00	158.00	4.50	32.00	60.00	7	BAHR05	BAHR0k
IDPL295ED03C32	29.50	29.99	219.50	90.00	159.50	4.50	32.00	60.00	7	BAHR05	BAHR0k
IDPL300ED03C32	30.00	30.49	220.00	92.00	160.00	4.60	32.00	60.00	8	BAHR05	BAHR0k
IDPL305ED03C32	30.50	30.99	221.50	93.00	161.50	4.70	32.00	60.00	8	BAHR05	BAHR0k
IDPL310ED03C32	31.00	31.49	223.00	95.00	163.00	4.80	32.00	60.00	8	BAHR05	BAHR0k
IDPL315ED03C32	31.50	31.99	224.50	96.00	164.50	4.80	32.00	60.00	8	BAHR05	BAHR0k
IDPL320ED03C40	32.00	32.99	238.00	99.00	168.00	4.90	40.00	70.00	9	BAHR06	BAHR0k
IDPL330ED03C40	33.00	33.99	241.00	102.00	171.00	5.10	40.00	70.00	9	BAHR06	BAHR0k
IDPL340ED03C40	34.00	34.99	244.00	105.00	174.00	5.20	40.00	70.00	9	BAHR06	BAHR0k

钻尖Drill Tip → BA005-008

可换头钻头 Interchangeable Tip Drill

IDPL 后拉式钻体(3D) Type-pull Back Drill Body(3D)

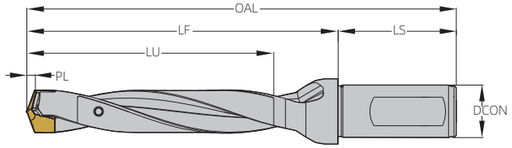
分体式钻头 Split Drill

型号 Specification	DCN	DCX	OAL	LU	LF	PL	DCON	LS	MIID		
IDPL350ED03C40	35.00	35.99	247.00	108.00	177.00	5.40	40.00	70.00	9	BAHR06	BAHR0k
IDPL360ED03C40	36.00	36.99	250.00	111.00	180.00	5.50	40.00	70.00	10	BAHR06	BAHR0k
IDPL370ED03C40	37.00	37.99	253.00	114.00	183.00	5.70	40.00	70.00	10	BAHR06	BAHR0k
IDPL380ED03C40	38.00	38.99	256.00	117.00	186.00	5.80	40.00	70.00	10	BAHR06	BAHR0k
IDPL390ED03C40	39.00	39.99	259.00	120.00	189.00	6.00	40.00	70.00	10	BAHR06	BAHR0k

钻尖Drill Tip → BA005-008

IDPL 后拉式钻体(5D) Type-pull Back Drill Body(5D)





Ni | ISO h7

1.单位：mm
2.所有钻体应使用指定标识刀片
3.刀片单独订购

1.Unit：mm
2.All drill bodies shall use the specified identifying insert.
3.Insert ordered separately.

型号 Specification	DCN	DCX	OAL	LU	LF	PL	DCON	LS	MIID		
IDPL125ED05C20	12.50	12.99	152.50	65.00	102.50	2.00	20.00	50.00	C	BAHR01	BAHR07
IDPL130ED05C20	13.00	13.49	156.00	68.00	106.00	2.10	20.00	50.00	C	BAHR01	BAHR07
IDPL135ED05C20	13.50	13.99	159.50	70.00	109.50	2.20	20.00	50.00	B	BAHR01	BAHR07
IDPL140ED05C20	14.00	14.49	163.00	73.00	113.00	2.20	20.00	50.00	B	BAHR01	BAHR08
IDPL145ED05C20	14.50	14.99	165.50	75.00	115.50	2.30	20.00	50.00	A	BAHR01	BAHR08
IDPL150ED05C20	15.00	15.49	169.00	78.00	119.00	2.40	20.00	50.00	A	BAHR01	BAHR08
IDPL155ED05C20	15.50	15.99	172.50	80.00	122.50	2.50	20.00	50.00	A	BAHR01	BAHR08
IDPL160ED05C20	16.00	16.49	175.00	83.00	125.00	2.50	20.00	50.00	1	BAHR02	BAHR0a
IDPL165ED05C20	16.50	16.99	178.50	85.00	128.50	2.60	20.00	50.00	1	BAHR02	BAHR0a
IDPL170ED05C20	17.00	17.49	182.00	88.00	132.00	2.70	20.00	50.00	1	BAHR02	BAHR0a
IDPL175ED05C20	17.50	17.99	185.00	90.00	135.00	2.80	20.00	50.00	1	BAHR02	BAHR0a
IDPL180ED05C25	18.00	18.49	195.00	93.00	139.00	2.90	25.00	56.00	2	BAHR03	BAHR0e
IDPL185ED05C25	18.50	18.99	198.50	95.00	142.50	2.90	25.00	56.00	2	BAHR03	BAHR0e
IDPL190ED05C25	19.00	19.49	202.00	98.00	146.00	3.00	25.00	56.00	2	BAHR03	BAHR0e
IDPL195ED05C25	19.50	19.99	204.50	100.00	148.50	3.10	25.00	56.00	2	BAHR03	BAHR0e
IDPL200ED05C25	20.00	20.49	208.00	103.00	152.00	3.20	25.00	56.00	3	BAHR03	BAHR0f
IDPL205ED05C25	20.50	20.99	211.50	105.00	155.50	3.30	25.00	56.00	3	BAHR03	BAHR0f
IDPL210ED05C25	21.00	21.49	214.00	108.00	158.00	3.30	25.00	56.00	3	BAHR03	BAHR0f
IDPL215ED05C25	21.50	21.99	217.50	110.00	161.50	3.40	25.00	56.00	3	BAHR03	BAHR0f
IDPL220ED05C25	22.00	22.49	221.00	113.00	165.00	3.50	25.00	56.00	4	BAHR03	BAHR0f
IDPL225ED05C25	22.50	22.99	224.00	115.00	168.00	3.60	25.00	56.00	4	BAHR03	BAHR0f
IDPL230ED05C25	23.00	23.49	227.00	118.00	171.00	3.70	25.00	56.00	4	BAHR03	BAHR0f
IDPL235ED05C25	23.50	23.99	230.50	120.00	174.50	3.70	25.00	56.00	4	BAHR03	BAHR0f
IDPL240ED05C32	24.00	24.49	244.00	123.00	184.00	3.80	32.00	60.00	5	BAHR04	BAHR0i
IDPL245ED05C32	24.50	24.99	246.50	125.00	186.50	3.90	32.00	60.00	5	BAHR04	BAHR0i
IDPL250ED05C32	25.00	25.49	250.00	128.00	190.00	3.80	32.00	60.00	5	BAHR04	BAHR0i
IDPL255ED05C32	25.50	25.99	253.50	130.00	193.50	3.90	32.00	60.00	5	BAHR04	BAHR0i
IDPL260ED05C32	26.00	26.49	256.00	132.00	196.00	4.00	32.00	60.00	6	BAHR04	BAHR0i
IDPL265ED05C32	26.50	26.99	259.50	133.00	199.50	4.10	32.00	60.00	6	BAHR04	BAHR0i
IDPL270ED05C32	27.00	27.49	263.00	135.00	203.00	4.20	32.00	60.00	6	BAHR04	BAHR0i
IDPL275ED05C32	27.50	27.99	266.00	138.00	206.00	4.20	32.00	60.00	6	BAHR04	BAHR0i
IDPL280ED05C32	28.00	28.49	269.00	142.00	209.00	4.30	32.00	60.00	7	BAHR05	BAHR0l
IDPL285ED05C32	28.50	28.99	272.50	143.00	212.50	4.40	32.00	60.00	7	BAHR05	BAHR0l
IDPL290ED05C32	29.00	29.49	276.00	145.00	216.00	4.50	32.00	60.00	7	BAHR05	BAHR0l
IDPL295ED05C32	29.50	29.99	278.50	148.00	218.50	4.50	32.00	60.00	7	BAHR05	BAHR0l
IDPL300ED05C32	30.00	30.49	280.00	151.00	220.00	4.60	32.00	60.00	8	BAHR05	BAHR0l
IDPL305ED05C32	30.50	30.99	282.50	152.00	222.50	4.70	32.00	60.00	8	BAHR05	BAHR0l
IDPL310ED05C32	31.00	31.49	285.00	155.00	225.00	4.80	32.00	60.00	8	BAHR05	BAHR0l
IDPL315ED05C32	31.50	31.99	287.50	158.00	227.50	4.80	32.00	60.00	8	BAHR05	BAHR0l
IDPL320ED05C40	32.00	32.99	302.00	163.00	232.00	4.90	40.00	70.00	9	BAHR06	BAHR0l
IDPL330ED05C40	33.00	33.99	307.00	165.00	237.00	5.10	40.00	70.00	9	BAHR06	BAHR0l
IDPL340ED05C40	34.00	34.99	312.00	170.00	242.00	5.20	40.00	70.00	9	BAHR06	BAHR0l

钻尖Drill Tip → BA005-008

可换头钻头 Interchangeable Tip Drill

IDPL 后拉式钻体(5D) Type-pull Back Drill Body(5D)

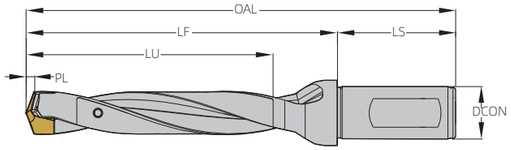
分体式钻头 Split Drill

型号 Specification	DCN	DCX	OAL	LU	LF	PL	DCON	LS	MIID		
IDPL350ED05C40	35.00	35.99	317.00	175.00	247.00	5.40	40.00	70.00	9	BAHR06	BAHR0l
IDPL360ED05C40	36.00	36.99	322.00	183.00	252.00	5.50	40.00	70.00	10	BAHR06	BAHR0l
IDPL370ED05C40	37.00	37.99	327.00	185.00	257.00	5.70	40.00	70.00	10	BAHR06	BAHR0l
IDPL380ED05C40	38.00	38.99	332.00	190.00	262.00	5.80	40.00	70.00	10	BAHR06	BAHR0l
IDPL390ED05C40	39.00	39.99	337.00	195.00	267.00	6.00	40.00	70.00	10	BAHR06	BAHR0l

钻尖Drill Tip → BA005-008

IDPL 后拉式钻体(7D) Type-pull Back Drill Body(7D)





Ni | ISO h7

1.单位：mm
2.所有钻体应使用指定标识刀片
3.刀片单独订购

1.Unit：mm
2.All drill bodies shall use the specified identifying insert.
3.Insert ordered separately.

型号 Specification	DCN	DCX	OAL	LU	LF	PL	DCON	LS	MIID		
IDPL125ED07C20	12.50	12.99	177.50	91.00	127.50	2.00	20.00	50.00	C	BAHR01	BAHR08
IDPL130ED07C20	13.00	13.49	182.00	95.00	132.00	2.10	20.00	50.00	C	BAHR01	BAHR08
IDPL135ED07C20	13.50	13.99	186.50	98.00	136.50	2.20	20.00	50.00	B	BAHR01	BAHR09
IDPL140ED07C20	14.00	14.49	191.00	102.00	141.00	2.20	20.00	50.00	B	BAHR01	BAHR09
IDPL145ED07C20	14.50	14.99	194.50	105.00	144. 5	2.30	20.00	50.00	A	BAHR01	BAHR09
IDPL150ED07C20	15.00	15.49	199.00	109.00	149.00	2.40	20.00	50.00	A	BAHR01	BAHR09
IDPL155ED07C20	15.50	15.99	203.50	112.00	153.50	2.50	20.00	50.00	A	BAHR01	BAHR09
IDPL160ED07C20	16.00	16.49	207.00	116.00	157.00	2.50	20.00	50.00	1	BAHR02	BAHR0b
IDPL165ED07C20	16.50	16.99	211.50	119.00	161.50	2.60	20.00	50.00	1	BAHR02	BAHR0b
IDPL170ED07C20	17.00	17.49	216.00	123.00	166.00	2.70	20.00	50.00	1	BAHR02	BAHR0b
IDPL175ED07C20	17.50	17.99	220.00	126.00	170.00	2.80	20.00	50.00	1	BAHR02	BAHR0b
IDPL180ED07C25	18.00	18.49	231.00	130.00	175.00	2.90	25.00	56.00	2	BAHR03	BAHR0f
IDPL185ED07C25	18.50	18.99	235.50	133.00	179.50	2.90	25.00	56.00	2	BAHR03	BAHR0f
IDPL190ED07C25	19.00	19.49	240.00	137.00	184.00	3.00	25.00	56.00	2	BAHR03	BAHR0f
IDPL195ED07C25	19.50	19.99	243.50	140.00	187.50	3.10	25.00	56.00	2	BAHR03	BAHR0f
IDPL200ED07C25	20.00	20.49	248.00	144.00	192.00	3.20	25.00	56.00	3	BAHR03	BAHR0f
IDPL205ED07C25	20.50	20.99	252.50	147.00	196. 5	3.30	25.00	56.00	3	BAHR03	BAHR0f
IDPL210ED07C25	21.00	21.49	256.00	151.00	200.00	3.30	25.00	56.00	3	BAHR03	BAHR0f
IDPL215ED07C25	21.50	21.99	260.50	154.00	204.50	3.40	25.00	56.00	3	BAHR03	BAHR0f
IDPL220ED07C25	22.00	22.49	265.00	178.00	209.00	3.50	25.00	56.00	4	BAHR03	BAHR0g
IDPL225ED07C25	22.50	22.99	269.00	161.00	213.00	3.60	25.00	56.00	4	BAHR03	BAHR0g
IDPL230ED07C25	23.00	23.49	273.00	165.00	217.00	3.70	25.00	56.00	4	BAHR03	BAHR0g
IDPL235ED07C25	23.50	23.99	277.50	168.00	221.50	3.70	25.00	56.00	4	BAHR03	BAHR0g
IDPL240ED07C32	24.00	24.49	292.00	172.00	232.00	3.80	32.00	60.00	5	BAHR04	BAHR0j
IDPL245ED07C32	24.50	24.99	295.50	175.00	235.50	3.90	32.00	60.00	5	BAHR04	BAHR0j
IDPL250ED07C32	25.00	25.49	300.00	179.00	240.00	3.80	32.00	60.00	5	BAHR04	BAHR0j
IDPL255ED07C32	25.50	25.99	304.50	182.00	244.50	3.90	32.00	60.00	5	BAHR04	BAHR0j
IDPL260ED07C32	26.00	26.49	308.00	196.00	248.00	4.00	32.00	60.00	6	BAHR04	BAHR0j
IDPL265ED07C32	26.50	26.99	312.50	196.00	252.50	4.10	32.00	60.00	6	BAHR04	BAHR0j
IDPL270ED07C32	27.00	27.49	317.00	196.00	257.00	4.20	32.00	60.00	6	BAHR04	BAHR0j
IDPL275ED07C32	27.50	27.99	321.00	196.00	261.00	4.20	32.00	60.00	6	BAHR04	BAHR0j
IDPL280ED07C32	28.00	28.49	325.00	200.00	265.00	4.30	32.00	60.00	7	BAHR05	BAHR0m
IDPL285ED07C32	28.50	28.99	329.50	203.00	269.50	4.40	32.00	60.00	7	BAHR05	BAHR0m
IDPL290ED07C32	29.00	29.49	334.00	207.00	274.00	4.50	32.00	60.00	7	BAHR05	BAHR0m
IDPL295ED07C32	29.50	29.99	337.50	210.00	277.50	4.50	32.00	60.00	7	BAHR05	BAHR0m
IDPL300ED07C32	30.00	30.49	340.00	214.00	280.00	4.60	32.00	60.00	8	BAHR05	BAHR0m
IDPL305ED07C32	30.50	30.99	343.50	217.00	283.50	4.70	32.00	60.00	8	BAHR05	BAHR0m
IDPL310ED07C32	31.00	31.49	347.00	221.00	287.00	4.80	32.00	60.00	8	BAHR05	BAHR0m
IDPL315ED07C32	31.50	31.99	350.50	224.00	290.50	4.80	32.00	60.00	8	BAHR05	BAHR0m
IDPL320ED07C40	32.00	32.99	366.00	231.00	296.00	4.90	40.00	70.00	9	BAHR06	BAHR0m
IDPL330ED07C40	33.00	33.99	373.00	238.00	303.00	5.10	40.00	70.00	9	BAHR06	BAHR0m
IDPL340ED07C40	34.00	34.99	380.00	245.00	310.00	5.20	40.00	70.00	9	BAHR06	BAHR0m

钻尖Drill Tip → BA005-008

可换头钻头 Interchangeable Tip Drill

IDPL 后拉式钻体(7D) Type-pull Back Drill Body(7D)

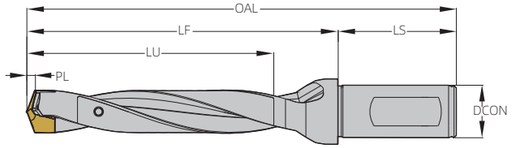
分体式钻头 Split Drill

型号 Specification	DCN	DCX	OAL	LU	LF	PL	DCON	LS	MIID		
IDPL350ED07C40	35.00	35.99	387.00	252.00	317.00	5.40	40.00	70.00	9	BAHR06	BAHR0m
IDPL360ED07C40	36.00	36.99	394.00	259.00	324.00	5.50	40.00	70.00	10	BAHR06	BAHR0m
IDPL370ED07C40	37.00	37.99	401.00	266.00	331.00	5.70	40.00	70.00	10	BAHR06	BAHR0m
IDPL380ED07C40	38.00	38.99	408.00	273.00	338.00	5.80	40.00	70.00	10	BAHR06	BAHR0m
IDPL390ED07C40	39.00	39.99	415.00	280.00	345.00	6.00	40.00	70.00	10	BAHR06	BAHR0m

钻尖Drill Tip → BA005-008

IDPL 后拉式钻体(8.5D) Type-pull Back Drill Body(8.5D)





Ni | ISO h7

1.单位：mm
2.所有钻体应使用指定标识刀片
3.刀片单独订购

1.Unit：mm
2.All drill bodies shall use the specified identifying insert.
3.Insert ordered separately.

型号 Specification	DCN	DCX	OAL	LU	LF	PL	DCON	LS	MIID		
IDPL125ED08.5C20	12.50	12.99	196.00	111.00	146.00	2.00	20.00	50.00	C	BAHR01	BAHR08
IDPL130ED08.5C20	13.00	13.49	201.50	115.00	151.50	2.10	20.00	50.00	C	BAHR01	BAHR08
IDPL135ED08.5C20	13.50	13.99	207.00	119.00	157.00	2.20	20.00	50.00	B	BAHR01	BAHR08
IDPL140ED08.5C20	14.00	14.49	212.00	124.00	162.00	2.20	20.00	50.00	B	BAHR01	BAHR08
IDPL145ED08.5C20	14.50	14.99	216.00	128.00	166.00	2.30	20.00	50.00	A	BAHR01	BAHR08
IDPL150ED08.5C20	15.00	15.49	221.50	132.00	171.50	2.40	20.00	50.00	A	BAHR01	BAHR08
IDPL155ED08.5C20	15.50	15.99	227.00	136.00	177.00	2.50	20.00	50.00	A	BAHR01	BAHR08
IDPL160ED08.5C20	16.00	16.49	231.00	141.00	181.00	2.50	20.00	50.00	1	BAHR02	BAHR0c
IDPL165ED08.5C20	16.50	16.99	236.00	145.00	186. 0	2.60	20.00	50.00	1	BAHR02	BAHR0c
IDPL170ED08.5C20	17.00	17.49	241.50	149.00	191.50	2.70	20.00	50.00	1	BAHR02	BAHR0c
IDPL175ED08.5C20	17.50	17.99	246.50	153.00	196.50	2.80	20.00	50.00	1	BAHR02	BAHR0c
IDPL180ED08.5C25	18.00	18.49	258.00	158.00	202.00	2.90	25.00	56.00	2	BAHR03	BAHR0g
IDPL185ED08.5C25	18.50	18.99	263.00	162.00	207.00	2.90	25.00	56.00	2	BAHR03	BAHR0g
IDPL190ED08.5C25	19.00	19.49	268.50	166.00	212.50	3.00	25.00	56.00	2	BAHR03	BAHR0g
IDPL195ED08.5C25	19.50	19.99	273.00	170.00	217.00	3.10	25.00	56.00	2	BAHR03	BAHR0g
IDPL200ED08.5C25	20.00	20.49	278.00	175.00	222.00	3.20	25.00	56.00	3	BAHR03	BAHR0g
IDPL205ED08.5C25	20.50	20.99	283.00	179.00	227.00	3.30	25.00	56.00	3	BAHR03	BAHR0g
IDPL210ED08.5C25	21.00	21.49	287.50	183.00	231.50	3.30	25.00	56.00	3	BAHR03	BAHR0g
IDPL215ED08.5C25	21.50	21.99	293.00	187.00	237.00	3.40	25.00	56.00	3	BAHR03	BAHR0g
IDPL220ED08.5C25	22.00	22.49	298.00	192.00	242.00	3.50	25.00	56.00	4	BAHR03	BAHR0g
IDPL225ED08.5C25	22.50	22.99	302.50	196.00	246.50	3.60	25.00	56.00	4	BAHR03	BAHR0g
IDPL230ED08.5C25	23.00	23.49	307.50	200.00	251.50	3.70	25.00	56.00	4	BAHR03	BAHR0g
IDPL235ED08.5C25	23.50	23.99	313.00	204.00	257.00	3.70	25.00	56.00	4	BAHR03	BAHR0g
IDPL240ED08.5C32	24.00	24.49	328.00	209.00	268.00	3.80	32.00	60.00	5	BAHR04	BAHR0j
IDPL245ED08.5C32	24.50	24.99	332.00	213.00	272.00	3.90	32.00	60.00	5	BAHR04	BAHR0j
IDPL250ED08.5C32	25.00	25.49	337.50	217.00	277.50	3.80	32.00	60.00	5	BAHR04	BAHR0j
IDPL255ED08.5C32	25.50	25.99	343.00	221.00	282.00	3.90	32.00	60.00	5	BAHR04	BAHR0j
IDPL260ED08.5C32	26.00	26.49	347.00	226.00	287.00	4.00	32.00	60.00	6	BAHR04	BAHR0j
IDPL265ED08.5C32	26.50	26.99	352.00	230.00	292.00	4.10	32.00	60.00	6	BAHR04	BAHR0j
IDPL270ED08.5C32	27.00	27.49	357.50	234.00	297.50	4.20	32.00	60.00	6	BAHR04	BAHR0j
IDPL275ED08.5C32	27.50	27.99	362.00	238.00	302.00	4.20	32.00	60.00	6	BAHR04	BAHR0j
IDPL280ED08.5C32	28.00	28.49	367.00	243.00	307.00	4.30	32.00	60.00	7	BAHR05	BAHR0m
IDPL285ED08.5C32	28.50	28.99	372.00	247.00	312.00	4.40	32.00	60.00	7	BAHR05	BAHR0m
IDPL290ED08.5C32	29.00	29.49	377.50	251.00	317.50	4.50	32.00	60.00	7	BAHR05	BAHR0m
IDPL295ED08.5C32	29.50	29.99	382.00	255.00	322.00	4.50	32.00	60.00	7	BAHR05	BAHR0m
IDPL300ED08.5C32	30.00	30.49	385.00	260.00	325.00	4.60	32.00	60.00	8	BAHR05	BAHR0m
IDPL305ED08.5C32	30.50	30.99	389.00	264.00	329.00	4.70	32.00	60.00	8	BAHR05	BAHR0m
IDPL310ED08.5C32	31.00	31.49	393.50	268.00	333.50	4.80	32.00	60.00	8	BAHR05	BAHR0m
IDPL315ED08.5C32	31.50	31.99	398.00	272.00	338.00	4.80	32.00	60.00	8	BAHR05	BAHR0m
IDPL320ED08.5C40	32.00	32.99	414.00	281.00	344.00	4.90	40.00	70.00	9	BAHR06	BAHR0m
IDPL330ED08.5C40	33.00	33.99	422.50	289.00	352.50	5.10	40.00	70.00	9	BAHR06	BAHR0m
IDPL340ED08.5C40	34.00	34.99	431.00	298.00	361.00	5.20	40.00	70.00	9	BAHR06	BAHR0m

钻尖Drill Tip → BA005-008

可换头钻头 Interchangeable Tip Drill

IDPL 后拉式钻体(8.5D) Type-pull Back Drill Body(8.5D)

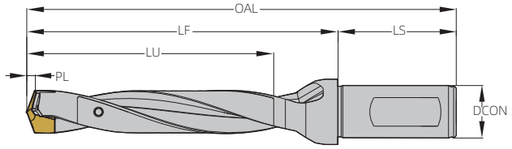
分体式钻头 Split Drill

型号 Specification	DCN	DCX	OAL	LU	LF	PL	DCON	LS	MIID		
IDPL350ED08.5C40	35.00	35.99	439.50	306.00	369.50	5.40	40.00	70.00	9	BAHR06	BAHR0m
IDPL360ED08.5C40	36.00	36.99	448.00	315.00	378.00	5.50	40.00	70.00	10	BAHR06	BAHR0n
IDPL370ED08.5C40	37.00	37.99	456.50	323.00	386.50	5.70	40.00	70.00	10	BAHR06	BAHR0n
IDPL380ED08.5C40	38.00	38.99	465.00	332.00	395.00	5.80	40.00	70.00	10	BAHR06	BAHR0n
IDPL390ED08.5C40	39.00	39.99	473.50	340.00	403.50	6.00	40.00	70.00	10	BAHR06	BAHR0n

钻尖Drill Tip → BA005-008

IDPL 后拉式钻体(10D) Type-pull Back Drill Body(10D)





Ni | ISO h7

1.单位：mm
2.所有钻体应使用指定标识刀片
3.刀片单独订购

1.Unit：mm
2.All drill bodies shall use the specified identifying insert.
3.Insert ordered separately.

型号 Specification	DCN	DCX	OAL	LU	LF	PL	DCON	LS	MIID		
IDPL125ED10C20	12.50	12.99	215.00	130.00	165.00	2.00	20.00	50.00	C	BAHR01	BAHR09
IDPL130ED10C20	13.00	13.49	221.00	135.00	171.00	2.10	20.00	50.00	C	BAHR01	BAHR09
IDPL135ED10C20	13.50	13.99	227.00	140.00	177.00	2.20	20.00	50.00	B	BAHR01	BAHR09
IDPL140ED10C20	14.00	14.49	233.00	145.00	183.00	2.20	20.00	50.00	B	BAHR01	BAHR09
IDPL145ED10C20	14.50	14.99	238.00	150.00	188.00	2.30	20.00	50.00	A	BAHR01	BAHR0O
IDPL150ED10C20	15.00	15.49	244.00	155.00	194.00	2.40	20.00	50.00	A	BAHR01	BAHR0O
IDPL155ED10C20	15.50	15.99	250.00	160.00	200.00	2.50	20.00	50.00	A	BAHR01	BAHR0O
IDPL160ED10C20	16.00	16.49	255.00	165.00	205.00	2.50	20.00	50.00	1	BAHR02	BAHR0c
IDPL165ED10C20	16.50	16.99	261.00	170.00	211.00	2.60	20.00	50.00	1	BAHR02	BAHR0c
IDPL170ED10C20	17.00	17.49	267.00	175.00	217.00	2.70	20.00	50.00	1	BAHR02	BAHR0c
IDPL175ED10C20	17.50	17.99	272.50	180.00	222.50	2.80	20.00	50.00	1	BAHR02	BAHR0c
IDPL180ED10C25	18.00	18.49	285.00	185.00	229.00	2.90	25.00	56.00	2	BAHR03	BAHR0g
IDPL185ED10C25	18.50	18.99	291.00	190.00	235.00	2.90	25.00	56.00	2	BAHR03	BAHR0g
IDPL190ED10C25	19.00	19.49	297.00	195.00	241.00	3.00	25.00	56.00	2	BAHR03	BAHR0g
IDPL195ED10C25	19.50	19.99	302.00	200.00	246.00	3.10	25.00	56.00	2	BAHR03	BAHR0g
IDPL200ED10C25	20.00	20.49	308.00	205.00	252.00	3.20	25.00	56.00	3	BAHR03	BAHR0g
IDPL205ED10C25	20.50	20.99	314.00	210.00	258.00	3.30	25.00	56.00	3	BAHR03	BAHR0g
IDPL210ED10C25	21.00	21.49	319.00	215.00	263.00	3.30	25.00	56.00	3	BAHR03	BAHR0g
IDPL215ED10C25	21.50	21.99	325.00	220.00	269.00	3.40	25.00	56.00	3	BAHR03	BAHR0g
IDPL220ED10C25	22.00	22.49	331.00	225.00	275.00	3.50	25.00	56.00	4	BAHR03	BAHR0g
IDPL225ED10C25	22.50	22.99	336.50	230.00	280.50	3.60	25.00	56.00	4	BAHR03	BAHR0g
IDPL230ED10C25	23.00	23.49	342.00	255.00	286.00	3.70	25.00	56.00	4	BAHR03	BAHR0g
IDPL235ED10C25	23.50	23.99	348.00	240.00	292.00	3.70	25.00	56.00	4	BAHR03	BAHR0g
IDPL240ED10C32	24.00	24.49	364.00	245.00	304.00	3.80	32.00	60.00	5	BAHR04	BAHR0j
IDPL245ED10C32	24.50	24.99	369.00	250.00	309.00	3.90	32.00	60.00	5	BAHR04	BAHR0j
IDPL250ED10C32	25.00	25.49	375.00	255.00	315.00	3.80	32.00	60.00	5	BAHR04	BAHR0j
IDPL255ED10C32	25.50	25.99	381.00	260.00	321.00	3.90	32.00	60.00	5	BAHR04	BAHR0j
IDPL260ED10C32	26.00	26.49	386.00	265.00	326.00	4.00	32.00	60.00	6	BAHR04	BAHR0j
IDPL265ED10C32	26.50	26.99	392.00	270.00	332.00	4.10	32.00	60.00	6	BAHR04	BAHR0j
IDPL270ED10C32	27.00	27.49	398.00	275.00	338.00	4.20	32.00	60.00	6	BAHR04	BAHR0j
IDPL275ED10C32	27.50	27.99	403.50	280.00	343.50	4.20	32.00	60.00	6	BAHR04	BAHR0j
IDPL280ED10C32	28.00	28.49	409.00	285.00	349.00	4.30	32.00	60.00	7	BAHR05	BAHR0m
IDPL285ED10C32	28.50	28.99	415.00	290.00	355.00	4.40	32.00	60.00	7	BAHR05	BAHR0m
IDPL290ED10C32	29.00	29.49	421.00	295.00	361.00	4.50	32.00	60.00	7	BAHR05	BAHR0m
IDPL295ED10C32	29.50	29.99	426.00	300.00	366.00	4.50	32.00	60.00	7	BAHR05	BAHR0m
IDPL300ED10C32	30.00	30.49	430.00	305.00	270.00	4.60	32.00	60.00	8	BAHR05	BAHR0m
IDPL305ED10C32	30.50	30.99	435.00	310.00	375.00	4.70	32.00	60.00	8	BAHR05	BAHR0m
IDPL310ED10C32	31.00	31.49	440.00	315.00	380.00	4.80	32.00	60.00	8	BAHR05	BAHR0m
IDPL315ED10C32	31.50	31.99	445.00	320.00	385.00	4.80	32.00	60.00	8	BAHR05	BAHR0m
IDPL320ED10C40	32.00	32.99	462.00	330.00	392.00	4.90	40.00	70.00	9	BAHR06	BAHR0n
IDPL330ED10C40	33.00	33.99	472.00	340.00	402.00	5.10	40.00	70.00	9	BAHR06	BAHR0n
IDPL340ED10C40	34.00	34.99	482.00	350.00	412.00	5.20	40.00	70.00	9	BAHR06	BAHR0n

钻尖Drill Tip → BA005-008

可换头钻头 Interchangeable Tip Drill

IDPL 后拉式钻体(10D) Type-pull Back Drill Body(10D)

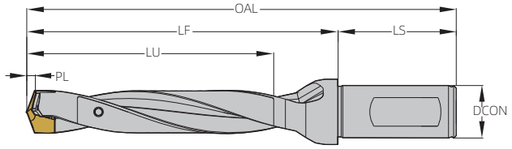
分体式钻头 Split Drill

型号 Specification	DCN	DCX	OAL	LU	LF	PL	DCON	LS	MIID		
IDPL350ED10C40	35.00	35.99	492.00	360.00	422.00	5.40	40.00	70.00	9	BAHR06	BAHR0n
IDPL360ED10C40	36.00	36.99	502.00	370.00	432.00	5.50	40.00	70.00	10	BAHR06	BAHR0n
IDPL370ED10C40	37.00	37.99	512.00	380.00	442.00	5.70	40.00	70.00	10	BAHR06	BAHR0n
IDPL380ED10C40	38.00	38.99	522.00	390.00	452.00	5.80	40.00	70.00	10	BAHR06	BAHR0n
IDPL390ED10C40	39.00	39.99	532.00	400.00	462.00	6.00	40.00	70.00	10	BAHR06	BAHR0n

钻尖Drill Tip → BA005-008

IDPL 后拉式钻体(12D) Type-pull Back Drill Body(12D)





Ni | ISO h7

1.单位：mm
2.所有钻体应使用指定标识刀片
3.刀片单独订购

1.Unit：mm
2.All drill bodies shall use the specified identifying insert.
3.Insert ordered separately.

型号 Specification	DCN	DCX	OAL	LU	LF	PL	DCON	LS	MIID		
IDPL125ED12C20	12.50	12.99	240.00	156.00	190.00	2.00	20.00	50.00	C	BAHR01	BAHR0O
IDPL130ED12C20	13.00	13.49	247.00	162.00	197.00	2.10	20.00	50.00	C	BAHR01	BAHR0O
IDPL135ED12C20	13.50	13.99	254.00	168.00	204.00	2.20	20.00	50.00	B	BAHR01	BAHR0O
IDPL140ED12C20	14.00	14.49	261.00	174.00	211.00	2.20	20.00	50.00	B	BAHR01	BAHR0O
IDPL145ED12C20	14.50	14.99	267.00	180.00	217.00	2.30	20.00	50.00	A	BAHR01	BAHR0O
IDPL150ED12C20	15.00	15.49	274.00	186.00	224.00	2.40	20.00	50.00	A	BAHR01	BAHR0O
IDPL155ED12C20	15.50	15.99	281.00	192.00	231.00	2.50	20.00	50.00	A	BAHR01	BAHR0O
IDPL160ED12C20	16.00	16.49	287.00	198.00	237.00	2.50	20.00	50.00	1	BAHR02	BAHR0p
IDPL165ED12C20	16.50	16.99	294.00	204.00	244.00	2.60	20.00	50.00	1	BAHR02	BAHR0p
IDPL170ED12C20	17.00	17.49	301.00	210.00	251.00	2.70	20.00	50.00	1	BAHR02	BAHR0p
IDPL175ED12C20	17.50	17.99	307.50	216.00	257.50	2.80	20.00	50.00	1	BAHR02	BAHR0p
IDPL180ED12C25	18.00	18.49	321.00	222.00	265.00	2.90	25.00	56.00	2	BAHR03	BAHR0q
IDPL185ED12C25	18.50	18.99	328.00	228.00	272.00	2.90	25.00	56.00	2	BAHR03	BAHR0q
IDPL190ED12C25	19.00	19.49	335.00	234.00	279.00	3.00	25.00	56.00	2	BAHR03	BAHR0q
IDPL195ED12C25	19.50	19.99	341.00	240.00	285.00	3.10	25.00	56.00	2	BAHR03	BAHR0q
IDPL200ED12C25	20.00	20.49	348.00	246.00	292.00	3.20	25.00	56.00	3	BAHR03	BAHR0q
IDPL205ED12C25	20.50	20.99	355.00	252.00	299.00	3.30	25.00	56.00	3	BAHR03	BAHR0q
IDPL210ED12C25	21.00	21.49	361.00	258.00	305.00	3.30	25.00	56.00	3	BAHR03	BAHR0q
IDPL215ED12C25	21.50	21.99	368.00	264.00	312.00	3.40	25.00	56.00	3	BAHR03	BAHR0q
IDPL220ED12C25	22.00	22.49	375.00	270.00	319.00	3.50	25.00	56.00	4	BAHR03	BAHR0q
IDPL225ED12C25	22.50	22.99	381.50	276.00	325.00	3.60	25.00	56.00	4	BAHR03	BAHR0q
IDPL230ED12C25	23.00	23.49	388.00	282.00	332.00	3.70	25.00	56.00	4	BAHR03	BAHR0q
IDPL235ED12C25	23.50	23.99	395.00	288.00	339.00	3.70	25.00	56.00	4	BAHR03	BAHR0q
IDPL240ED12C32	24.00	24.49	412.00	294.00	352.00	3.80	32.00	60.00	5	BAHR04	BAHR0r
IDPL245ED12C32	24.50	24.99	418.00	300.00	358.00	3.90	32.00	60.00	5	BAHR04	BAHR0r
IDPL250ED12C32	25.00	25.49	425.00	306.00	365.00	3.80	32.00	60.00	5	BAHR04	BAHR0r
IDPL255ED12C32	25.50	25.99	432.00	312.00	372.00	3.90	32.00	60.00	5	BAHR04	BAHR0r
IDPL260ED12C32	26.00	26.49	438.00	318.00	378.00	4.00	32.00	60.00	6	BAHR04	BAHR0r
IDPL265ED12C32	26.50	26.99	445.00	324.00	385.00	4.10	32.00	60.00	6	BAHR04	BAHR0r
IDPL270ED12C32	27.00	27.49	452.00	330.00	392.00	4.20	32.00	60.00	6	BAHR04	BAHR0r
IDPL275ED12C32	27.50	27.99	458.50	336.00	398.50	4.20	32.00	60.00	6	BAHR04	BAHR0r
IDPL280ED12C32	28.00	28.49	465.00	342.00	405.00	4.30	32.00	60.00	7	BAHR05	BAHR0n
IDPL285ED12C32	28.50	28.99	472.00	348.00	412.00	4.40	32.00	60.00	7	BAHR05	BAHR0n
IDPL290ED12C32	29.00	29.49	479.00	354.00	419.00	4.50	32.00	60.00	7	BAHR05	BAHR0n
IDPL295ED12C32	29.50	29.99	485.00	360.00	425.00	4.50	32.00	60.00	7	BAHR05	BAHR0n
IDPL300ED12C32	30.00	30.49	490.00	366.00	430.00	4.60	32.00	60.00	8	BAHR05	BAHR0n
IDPL305ED12C32	30.50	30.99	496.00	372.00	436.00	4.70	32.00	60.00	8	BAHR05	BAHR0n
IDPL310ED12C32	31.00	31.49	502.00	378.00	442.00	4.80	32.00	60.00	8	BAHR05	BAHR0n
IDPL315ED12C32	31.50	31.99	508.00	384.00	448.00	4.80	32.00	60.00	8	BAHR05	BAHR0n
IDPL320ED12C40	32.00	32.99	526.00	396.00	456.00	4.90	40.00	70.00	9	BAHR06	BAHR0s
IDPL330ED12C40	33.00	33.99	538.00	408.00	468.00	5.10	40.00	70.00	9	BAHR06	BAHR0s
IDPL340ED12C40	34.00	34.99	550.00	420.00	480.00	5.20	40.00	70.00	9	BAHR06	BAHR0s

钻尖Drill Tip → BA005-008

可换头钻头 Interchangeable Tip Drill

IDPL 后拉式钻体(12D) Type-pull Back Drill Body(12D)

分体式钻头 Split Drill

型号 Specification	DCN	DCX	OAL	LU	LF	PL	DCON	LS	MIID		
IDPL350ED12C40	35.00	35.99	562.00	432.00	492.00	5.40	40.00	70.00	9	BAHR06	BAHR0s
IDPL360ED12C40	36.00	36.99	574.00	444.00	504.00	5.50	40.00	70.00	9	BAHR06	BAHR0s
IDPL370ED12C40	37.00	37.99	586.00	456.00	516.00	5.70	40.00	70.00	10	BAHR06	BAHR0s
IDPL380ED12C40	38.00	38.99	598.00	468.00	528.00	5.80	40.00	70.00	10	BAHR06	BAHR0s
IDPL390ED12C40	39.00	39.99	610.00	480.00	540.00	6.00	40.00	70.00	10	BAHR06	BAHR0s

钻尖Drill Tip → BA005-008

IDPL 推荐加工参数 Technical Information

IDPL可换头钻尖 P13 槽型推荐加工参数 Recommended machining parameters for IDPL interchangeable head drill tip P13 chip breaker type

加工材料 Processing Material / 变量参数 Variable Parameter	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium Alloy	铸铁 Cast iron	不锈钢 Stainless steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	HB<320	Cr<13%
切削速度Vc(m/min)	60~110			60~110								15~60			
直径（mm）	根据钻头直径推荐进给(mm/r)														
12.5	0.15~0.31			0.15~0.31								0.09~0.14			
16.0	0.17~0.36			0.17~0.36								0.11~0.17			
20.0	0.19~0.41			0.19~0.41								0.13~0.20			
25.4	0.25~0.53			0.25~0.53								0.16~0.25			
32.0	0.29~0.60			0.29~0.60								0.18~0.28			

IDPL可换头钻尖 PM15 槽型推荐加工参数 Recommended machining parameters for IDPL interchangeable head drill tip PM15 chip breaker type

加工材料 Processing Material / 变量参数 Variable Parameter	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium Alloy	铸铁 Cast iron	不锈钢 Stainless steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	HB<320	Cr<13%
切削速度Vc(m/min)	60~110			60~110								15~60			
直径（mm）	根据钻头直径推荐进给(mm/r)														
12.5	0.15~0.31			0.15~0.31								0.09~0.14			
16.0	0.17~0.36			0.17~0.36								0.11~0.17			
20.0	0.19~0.41			0.19~0.41								0.13~0.20			
25.4	0.25~0.53			0.25~0.53								0.16~0.25			
32.0	0.29~0.60			0.29~0.60								0.18~0.28			

IDPL可换头钻尖 P25 槽型推荐加工参数 Recommended machining parameters for IDPL interchangeable head drill tip P25 chip breaker type

加工材料 Processing Material / 变量参数 Variable Parameter	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium Alloy	铸铁 Cast iron	不锈钢 Stainless steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	HB<320	Cr<13%
切削速度Vc(m/min)		60~110			60~110						60~110				
直径（mm）	根据钻头直径推荐进给(mm/r)														
12.5		0.15~0.31			0.15~0.31						0.17~0.34				
16.0		0.17~0.36			0.17~0.36						0.19~0.39				
20.0		0.19~0.41			0.19~0.41						0.21~0.44				
25.4		0.25~0.53			0.25~0.53						0.27~0.56				
32.0		0.29~0.60			0.29~0.60						0.31~0.63				

可换头钻头 Interchangeable Tip Drill

IDPL 推荐加工参数 Technical Information

分体式钻头 Split Drill

IDPL可换头钻尖 P35 槽型推荐加工参数 Recommended machining parameters for IDPL interchangeable head drill tip P35 chip breaker type

加工材料 Processing Material / 变量参数 Variable Parameter	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium Alloy	铸铁 Cast iron	不锈钢 Stainless steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	HB<320	Cr<13%
切削速度Vc(m/min)											70~150				
直径（mm）	根据钻头直径推荐进给(mm/r)														
12.5											0.17~0.34				
16.0											0.19~0.39				
20.0											0.21~0.44				
25.4											0.27~0.56				
32.0											0.31~0.63				



BB

IDSL SELF-LOCKING DRILL
IDSL自锁式皇冠钻

NomenclatureNomenclature
命名规则 **BB003-004**

Type-IDSL Self-locking Drill Tip
IDSL自锁式皇冠钻尖 **BB005-014**

Type-P25-Q1 Self-locking Drill Tip
IDSL-P25-Q1自锁式钻尖 BB005-006

Type-P25-Q2 Self-locking Drill Tip
IDSL-P25-Q2自锁式钻尖 BB007-008

Type-P25-QA Self-locking Drill Tip
IDSL-P25-QA自锁式钻尖 BB009-010

Type-P25-QB Self-locking Drill Tip
IDSL-P25-QB自锁式钻尖 BB011-012

Type-P25-QF Self-locking Drill Tip
IDSL-P25-QF自锁式钻尖 BB013-013

Type-P25-CQA Self-locking Drill Tip
IDSL-P25-CQA中心定位自锁式钻尖 BB014-014

Reaming Inserts
外侧刀片 BB014-014

Type-IDSL Self-locking Drill Body
IDSL自锁式皇钻体 **BB015-028**

Type-IDSL Self-locking Drill Body(1.5D)
IDSL自锁式钻体(1.5D) BB015-015

Type-IDSL Self-locking Drill Body(3D)
IDSL自锁式钻体(3D) BB016-016

Type-IDSL Self-locking Drill Body(5D)
IDSL自锁式钻体(5D) BB017-017

Type-IDSL Self-locking Drill Body(8D)
IDSL自锁式钻体(8D) BB018-018

Type-IDSL Self-locking Drill Body(12D)
IDSL自锁式钻体(12D) BB018-018

Large Diameter Self-locking Drill Body(3D)
IDSL大径钻头自锁式钻体(3D) BB019-019

Large Diameter Self-locking Drill Body(5D)
IDSL大径钻头自锁式钻体(5D) BB020-020

Large Diameter Self-locking Drill Body(6D)
IDSL大径钻头自锁式钻体(6D) BB021-021

Large Diameter Self-locking Drill Body(7D)
IDSL大径钻头自锁式钻体(7D) BB022-022

Large Diameter Self-locking Drill Body(8D)
IDSL大径钻头自锁式钻体(8D) BB023-023

Large Diameter Self-locking Drill Body(10D)
IDSL大径钻头自锁式钻体(10D) BB024-024

Modular Large Diameter Self-locking Drill Body(3D)
IDSL模块式大径钻头自锁式钻体(3D) BB025-025

Modular Large Diameter Self-locking Drill Body(5D)
IDSL模块式大径钻头自锁式钻体(5D) BB026-026

Modular Large Diameter Self-locking Drill Body(8D)
IDSL模块式大径钻头自锁式钻体(8D) BB027-027

Modular Large Diameter Self-locking Drill Body(10D)
IDSL模块式大径钻头自锁式钻体(10D) BB028-028

Technical Parameter
技术参数 **BB029-038**

可换头钻头 Interchangeable Tip Drill

IDSL 自锁式钻尖命名规则 Self-locking Drill Head Nomenclature

类别说明 Category Description			
第一位钻尖类型 first drill point type		第二位结构类别 second structure category	
ID	可换头 interchangeable head	PL	后拉式 pull back type
		SL	自锁式 self-locking type

槽型及材质 Groove Type And Material					
第一位基材类别 first base material category		第二位 槽型 second slot		第三位 涂层 third coating	
P	钢系 Steel	1	通用槽型 general chip breaker	1	硅系 silicon
K	铸铁系 Cast iron	2	通用槽型 general chip breaker	3	钛系 titanium
M	不锈钢系 stainless steel	3	铸铁专用 Special for cast iron	5	铬系 chromium
S	耐热合金 heat-resisting alloy	4	平底钻专用 Special for flat bottom drill	7	铝、复合 alumium\composite
H	淬火料 quenching material	5	不锈钢专用 Special for stainless steel		
N	有色金属 non-ferrous metal	6	高精度定心 High precision centering		
O	复合材料 combined material				

I	D	S	L	1	3	8	0	P	1	3	*	*	*	*

尺寸说明 Size Description			
第一位 first	第二位 second	第三位 third	第四位 fourth
十位数 tens digit	个位数 single digits	小数点第一位 first decimal place	小数点第二位 second decimal place

特别说明 Special Description							
第一位 改款类别 first modified catagory		第二位 second		第三位 third		第四位 fourth	
C	中心式 central type	特定识别码 specific groove type		特定识别码 specific groove type		特定识别码 specific groove type	
B	非标品 non-standard						
A	标准品 standard						

可换头钻头 Interchangeable Tip Drill

IDSL 自锁式钻杆命名规则 Self-locking Drill Body Nomenclature

类别说明 Category Description			
第一位钻尖类型 first drill point type		第二位结构类别 second structure category	
ID	可换头 interchangeable head	PL	后拉式 pull back type
		SL	自锁式 self-locking type

倍径说明 Diameter Times Description			
第一位基材类别 first base material category		第二位 倍径 second diameter	
ED	标准1 standard1	03	3倍径 3D
FD	标准2 standard2	05	5倍径 5D
		07	7倍径 7D
		10	10倍径 10D

夹持结构说明 Clamping Structure Description			
第一位标准类别 first drill point type		第二位 公称尺寸 second digit nominal size	
C	ISO-9766		
D	DIN6535-HE		
S	DIN6535-HB		

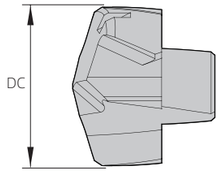
I	D	S	L	1	3	5	F	D	0	5	D	#	*	*	*	*

尺寸说明 Size Description			
第一位 first	第二位 second	第三位 third	
十位数 tens digit	个位数 single digits	小数点第一位 first decimal place	

特别说明 Special Description							
第一位 改款类别 first modified catagory		第二位 second		第三位 third		第四位 fourth	
C	中心式 central type	特定识别码 specific groove type		特定识别码 specific groove type		特定识别码 specific groove type	
B	非标品 non-standard						
A	标准品 standard						

IDSL-P25-Q1 自锁式钻尖 Self-locking Drill Tip





Cr h8 140°

1.切削参数请参考BB029
2.单位：mm

1.Please refer to BB029 for cutting parameters.
2.Unit：mm

型号 Specification	DC	MIID
IDSL0800P25-Q1	8.00	01
IDSL0810P25-Q1	8.10	01
IDSL0820P25-Q1	8.20	01
IDSL0830P25-Q1	8.30	01
IDSL0840P25-Q1	8.40	01
IDSL0850P25-Q1	8.50	01
IDSL0860P25-Q1	8.60	01
IDSL0870P25-Q1	8.70	01
IDSL0880P25-Q1	8.80	01
IDSL0890P25-Q1	8.90	01
IDSL0900P25-Q1	9.00	02
IDSL0910P25-Q1	9.10	02
IDSL0920P25-Q1	9.20	02
IDSL0930P25-Q1	9.30	02
IDSL0940P25-Q1	9.40	02
IDSL0950P25-Q1	9.50	02
IDSL0960P25-Q1	9.60	02
IDSL0970P25-Q1	9.70	02
IDSL0980P25-Q1	9.80	02
IDSL0990P25-Q1	9.90	02
IDSL1000P25-Q1	10.00	03
IDSL1010P25-Q1	10.10	03
IDSL1020P25-Q1	10.20	03
IDSL1030P25-Q1	10.30	03
IDSL1040P25-Q1	10.40	03
IDSL1050P25-Q1	10.50	03
IDSL1060P25-Q1	10.60	03
IDSL1070P25-Q1	10.70	03
IDSL1080P25-Q1	10.80	03
IDSL1090P25-Q1	10.90	03
IDSL1100P25-Q1	11.00	04
IDSL1110P25-Q1	11.10	04
IDSL1120P25-Q1	11.20	04
IDSL1130P25-Q1	11.30	04
IDSL1140P25-Q1	11.40	04
IDSL1150P25-Q1	11.50	04
IDSL1160P25-Q1	11.60	04
IDSL1170P25-Q1	11.70	04
IDSL1180P25-Q1	11.80	04
IDSL1190P25-Q1	11.90	04
IDSL1200P25-Q1	12.00	05
IDSL1210P25-Q1	12.10	05
IDSL1220P25-Q1	12.20	05
IDSL1230P25-Q1	12.30	05
IDSL1240P25-Q1	12.40	05
IDSL1250P25-Q1	12.50	05
IDSL1260P25-Q1	12.60	05
IDSL1270P25-Q1	12.70	05

型号 Specification	DC	MIID
IDSL1280P25-Q1	12.80	05
IDSL1290P25-Q1	12.90	05
IDSL1300P25-Q1	13.00	06
IDSL1310P25-Q1	13.10	06
IDSL1320P25-Q1	13.20	06
IDSL1330P25-Q1	13.30	06
IDSL1340P25-Q1	13.40	06
IDSL1350P25-Q1	13.50	06
IDSL1360P25-Q1	13.60	06
IDSL1370P25-Q1	13.70	06
IDSL1380P25-Q1	13.80	06
IDSL1390P25-Q1	13.90	06
IDSL1400P25-Q1	14.00	07
IDSL1410P25-Q1	14.10	07
IDSL1420P25-Q1	14.20	07
IDSL1430P25-Q1	14.30	07
IDSL1440P25-Q1	14.40	07
IDSL1450P25-Q1	14.50	07
IDSL1460P25-Q1	14.60	07
IDSL1470P25-Q1	14.70	07
IDSL1480P25-Q1	14.80	07
IDSL1490P25-Q1	14.90	07
IDSL1500P25-Q1	15.00	08
IDSL1510P25-Q1	15.10	08
IDSL1520P25-Q1	15.20	08
IDSL1530P25-Q1	15.30	08
IDSL1540P25-Q1	15.40	08
IDSL1550P25-Q1	15.50	08
IDSL1560P25-Q1	15.60	08
IDSL1570P25-Q1	15.70	08
IDSL1580P25-Q1	15.80	08
IDSL1590P25-Q1	15.90	08
IDSL1600P25-Q1	16.00	09
IDSL1610P25-Q1	16.10	09
IDSL1620P25-Q1	16.20	09
IDSL1630P25-Q1	16.30	09
IDSL1640P25-Q1	16.40	09
IDSL1650P25-Q1	16.50	09
IDSL1660P25-Q1	16.60	09
IDSL1670P25-Q1	16.70	09
IDSL1680P25-Q1	16.80	09
IDSL1690P25-Q1	16.90	09
IDSL1700P25-Q1	17.00	10
IDSL1710P25-Q1	17.10	10
IDSL1720P25-Q1	17.20	10
IDSL1730P25-Q1	17.30	10
IDSL1740P25-Q1	17.40	10
IDSL1750P25-Q1	17.50	10

可换头钻头 Interchangeable Tip Drill

IDSL-P25-Q1 自锁式钻尖 Self-locking Drill Tip

分体式钻头 Split Drill

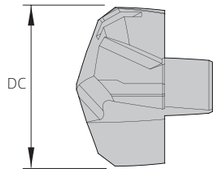
型号 Specification	DC	MIID
IDSL1760P25-Q1	17.60	10
IDSL1770P25-Q1	17.70	10
IDSL1780P25-Q1	17.80	10
IDSL1790P25-Q1	17.90	10
IDSL1800P25-Q1	18.00	11
IDSL1810P25-Q1	18.10	11
IDSL1820P25-Q1	18.20	11
IDSL1830P25-Q1	18.30	11
IDSL1840P25-Q1	18.40	11
IDSL1850P25-Q1	18.50	11
IDSL1860P25-Q1	18.60	11
IDSL1870P25-Q1	18.70	11
IDSL1880P25-Q1	18.80	11
IDSL1890P25-Q1	18.90	11
IDSL1900P25-Q1	19.00	12
IDSL1910P25-Q1	19.10	12
IDSL1920P25-Q1	19.20	12
IDSL1930P25-Q1	19.30	12
IDSL1940P25-Q1	19.40	12
IDSL1950P25-Q1	19.50	12
IDSL1960P25-Q1	19.60	12
IDSL1970P25-Q1	19.70	12
IDSL1980P25-Q1	19.80	12
IDSL1990P25-Q1	19.90	12
IDSL2000P25-Q1	20.00	13
IDSL2010P25-Q1	20.10	13
IDSL2020P25-Q1	20.20	13
IDSL2030P25-Q1	20.30	13
IDSL2040P25-Q1	20.40	13
IDSL2050P25-Q1	20.50	13
IDSL2060P25-Q1	20.60	13
IDSL2070P25-Q1	20.70	13
IDSL2080P25-Q1	20.80	13
IDSL2090P25-Q1	20.90	13
IDSL2100P25-Q1	21.00	14
IDSL2110P25-Q1	21.10	14
IDSL2120P25-Q1	21.20	14
IDSL2130P25-Q1	21.30	14
IDSL2140P25-Q1	21.40	14
IDSL2150P25-Q1	21.50	14
IDSL2160P25-Q1	21.60	14
IDSL2170P25-Q1	21.70	14
IDSL2180P25-Q1	21.80	14

型号 Specification	DC	MIID
IDSL2190P25-Q1	21.90	14
IDSL2200P25-Q1	22.00	15
IDSL2210P25-Q1	22.10	15
IDSL2220P25-Q1	22.20	15
IDSL2230P25-Q1	22.30	15
IDSL2240P25-Q1	22.40	15
IDSL2250P25-Q1	22.50	15
IDSL2260P25-Q1	22.60	15
IDSL2270P25-Q1	22.70	15
IDSL2280P25-Q1	22.80	15
IDSL2290P25-Q1	22.90	15
IDSL2300P25-Q1	23.00	16
IDSL2310P25-Q1	23.10	16
IDSL2320P25-Q1	23.20	16
IDSL2330P25-Q1	23.30	16
IDSL2340P25-Q1	23.40	16
IDSL2350P25-Q1	23.50	16
IDSL2360P25-Q1	23.60	16
IDSL2370P25-Q1	23.70	16
IDSL2380P25-Q1	23.80	16
IDSL2390P25-Q1	23.90	16
IDSL2400P25-Q1	24.00	17
IDSL2410P25-Q1	24.10	17
IDSL2420P25-Q1	24.20	17
IDSL2430P25-Q1	24.30	17
IDSL2440P25-Q1	24.40	17
IDSL2450P25-Q1	24.50	17
IDSL2460P25-Q1	24.60	17
IDSL2470P25-Q1	24.70	17
IDSL2480P25-Q1	24.80	17
IDSL2490P25-Q1	24.90	17
IDSL2500P25-Q1	25.00	18
IDSL2510P25-Q1	25.10	18
IDSL2520P25-Q1	25.20	18
IDSL2530P25-Q1	25.30	18
IDSL2540P25-Q1	25.40	18
IDSL2550P25-Q1	25.50	18
IDSL2560P25-Q1	25.60	18
IDSL2570P25-Q1	25.70	18
IDSL2580P25-Q1	25.80	18
IDSL2590P25-Q1	25.90	18
IDSL2600P25-Q1	26.00	18

注：Q1钻尖适用于中高碳钢、合金钢、球墨铸铁等钻孔（五倍径孔以下推荐使用）。
Recommend Q1 drill tip to be used for middle and high carbon steel, alloy steel,nodular cast iron(specially for less than 5D).

IDSL-P25-Q2 自锁式钻尖 Self-locking Drill Tip





Cr h8 140°

1.切削参数请参考BB029
2.单位：mm

1.Please refer to BB029 for cutting parameters.
2.Unit：mm

型号 Specification	DC	MIID
IDSL0800P25-Q2	8.00	01
IDSL0810P25-Q2	8.10	01
IDSL0820P25-Q2	8.20	01
IDSL0830P25-Q2	8.30	01
IDSL0840P25-Q2	8.40	01
IDSL0850P25-Q2	8.50	01
IDSL0860P25-Q2	8.60	01
IDSL0870P25-Q2	8.70	01
IDSL0880P25-Q2	8.80	01
IDSL0890P25-Q2	8.90	01
IDSL0900P25-Q2	9.00	02
IDSL0910P25-Q2	9.10	02
IDSL0920P25-Q2	9.20	02
IDSL0930P25-Q2	9.30	02
IDSL0940P25-Q2	9.40	02
IDSL0950P25-Q2	9.50	02
IDSL0960P25-Q2	9.60	02
IDSL0970P25-Q2	9.70	02
IDSL0980P25-Q2	9.80	02
IDSL0990P25-Q2	9.90	02
IDSL1000P25-Q2	10.00	03
IDSL1010P25-Q2	10.10	03
IDSL1020P25-Q2	10.20	03
IDSL1030P25-Q2	10.30	03
IDSL1040P25-Q2	10.40	03
IDSL1050P25-Q2	10.50	03
IDSL1060P25-Q2	10.60	03
IDSL1070P25-Q2	10.70	03
IDSL1080P25-Q2	10.80	03
IDSL1090P25-Q2	10.90	03
IDSL1100P25-Q2	11.00	04
IDSL1110P25-Q2	11.10	04
IDSL1120P25-Q2	11.20	04
IDSL1130P25-Q2	11.30	04
IDSL1140P25-Q2	11.40	04
IDSL1150P25-Q2	11.50	04
IDSL1160P25-Q2	11.60	04
IDSL1170P25-Q2	11.70	04
IDSL1180P25-Q2	11.80	04
IDSL1190P25-Q2	11.90	04
IDSL1200P25-Q2	12.00	05
IDSL1210P25-Q2	12.10	05
IDSL1220P25-Q2	12.20	05
IDSL1230P25-Q2	12.30	05
IDSL1240P25-Q2	12.40	05
IDSL1250P25-Q2	12.50	05
IDSL1260P25-Q2	12.60	05
IDSL1270P25-Q2	12.70	05

型号 Specification	DC	MIID
IDSL1280P25-Q2	12.80	05
IDSL1290P25-Q2	12.90	05
IDSL1300P25-Q2	13.00	06
IDSL1310P25-Q2	13.10	06
IDSL1320P25-Q2	13.20	06
IDSL1330P25-Q2	13.30	06
IDSL1340P25-Q2	13.40	06
IDSL1350P25-Q2	13.50	06
IDSL1360P25-Q2	13.60	06
IDSL1370P25-Q2	13.70	06
IDSL1380P25-Q2	13.80	06
IDSL1390P25-Q2	13.90	06
IDSL1400P25-Q2	14.00	07
IDSL1410P25-Q2	14.10	07
IDSL1420P25-Q2	14.20	07
IDSL1430P25-Q2	14.30	07
IDSL1440P25-Q2	14.40	07
IDSL1450P25-Q2	14.50	07
IDSL1460P25-Q2	14.60	07
IDSL1470P25-Q2	14.70	07
IDSL1480P25-Q2	14.80	07
IDSL1490P25-Q2	14.90	07
IDSL1500P25-Q2	15.00	08
IDSL1510P25-Q2	15.10	08
IDSL1520P25-Q2	15.20	08
IDSL1530P25-Q2	15.30	08
IDSL1540P25-Q2	15.40	08
IDSL1550P25-Q2	15.50	08
IDSL1560P25-Q2	15.60	08
IDSL1570P25-Q2	15.70	08
IDSL1580P25-Q2	15.80	08
IDSL1590P25-Q2	15.90	08
IDSL1600P25-Q2	16.00	09
IDSL1610P25-Q2	16.10	09
IDSL1620P25-Q2	16.20	09
IDSL1630P25-Q2	16.30	09
IDSL1640P25-Q2	16.40	09
IDSL1650P25-Q2	16.50	09
IDSL1660P25-Q2	16.60	09
IDSL1670P25-Q2	16.70	09
IDSL1680P25-Q2	16.80	09
IDSL1690P25-Q2	16.90	09
IDSL1700P25-Q2	17.00	10
IDSL1710P25-Q2	17.10	10
IDSL1720P25-Q2	17.20	10
IDSL1730P25-Q2	17.30	10
IDSL1740P25-Q2	17.40	10
IDSL1750P25-Q2	17.50	10

可换头钻头 Interchangeable Tip Drill

IDSL-P25-Q2 自锁式钻尖 Self-locking Drill Tip

分体式钻头 Split Drill

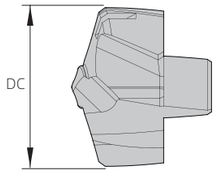
型号 Specification	DC	MIID
IDSL1760P25-Q2	17.60	10
IDSL1770P25-Q2	17.70	10
IDSL1780P25-Q2	17.80	10
IDSL1790P25-Q2	17.90	10
IDSL1800P25-Q2	18.00	11
IDSL1810P25-Q2	18.10	11
IDSL1820P25-Q2	18.20	11
IDSL1830P25-Q2	18.30	11
IDSL1840P25-Q2	18.40	11
IDSL1850P25-Q2	18.50	11
IDSL1860P25-Q2	18.60	11
IDSL1870P25-Q2	18.70	11
IDSL1880P25-Q2	18.80	11
IDSL1890P25-Q2	18.90	11
IDSL1900P25-Q2	19.00	12
IDSL1910P25-Q2	19.10	12
IDSL1920P25-Q2	19.20	12
IDSL1930P25-Q2	19.30	12
IDSL1940P25-Q2	19.40	12
IDSL1950P25-Q2	19.50	12
IDSL1960P25-Q2	19.60	12
IDSL1970P25-Q2	19.70	12
IDSL1980P25-Q2	19.80	12
IDSL1990P25-Q2	19.90	12
IDSL2000P25-Q2	20.00	13
IDSL2010P25-Q2	20.10	13
IDSL2020P25-Q2	20.20	13
IDSL2030P25-Q2	20.30	13
IDSL2040P25-Q2	20.40	13
IDSL2050P25-Q2	20.50	13
IDSL2060P25-Q2	20.60	13
IDSL2070P25-Q2	20.70	13
IDSL2080P25-Q2	20.80	13
IDSL2090P25-Q2	20.90	13
IDSL2100P25-Q2	21.00	14
IDSL2110P25-Q2	21.10	14
IDSL2120P25-Q2	21.20	14
IDSL2130P25-Q2	21.30	14
IDSL2140P25-Q2	21.40	14
IDSL2150P25-Q2	21.50	14
IDSL2160P25-Q2	21.60	14
IDSL2170P25-Q2	21.70	14
IDSL2180P25-Q2	21.80	14

型号 Specification	DC	MIID
IDSL2190P25-Q2	21.90	14
IDSL2200P25-Q2	22.00	15
IDSL2210P25-Q2	22.10	15
IDSL2220P25-Q2	22.20	15
IDSL2230P25-Q2	22.30	15
IDSL2240P25-Q2	22.40	15
IDSL2250P25-Q2	22.50	15
IDSL2260P25-Q2	22.60	15
IDSL2270P25-Q2	22.70	15
IDSL2280P25-Q2	22.80	15
IDSL2290P25-Q2	22.90	15
IDSL2300P25-Q2	23.00	16
IDSL2310P25-Q2	23.10	16
IDSL2320P25-Q2	23.20	16
IDSL2330P25-Q2	23.30	16
IDSL2340P25-Q2	23.40	16
IDSL2350P25-Q2	23.50	16
IDSL2360P25-Q2	23.60	16
IDSL2370P25-Q2	23.70	16
IDSL2380P25-Q2	23.80	16
IDSL2390P25-Q2	23.90	16
IDSL2400P25-Q2	24.00	17
IDSL2410P25-Q2	24.10	17
IDSL2420P25-Q2	24.20	17
IDSL2430P25-Q2	24.30	17
IDSL2440P25-Q2	24.40	17
IDSL2450P25-Q2	24.50	17
IDSL2460P25-Q2	24.60	17
IDSL2470P25-Q2	24.70	17
IDSL2480P25-Q2	24.80	17
IDSL2490P25-Q2	24.90	17
IDSL2500P25-Q2	25.00	18
IDSL2510P25-Q2	25.10	18
IDSL2520P25-Q2	25.20	18
IDSL2530P25-Q2	25.30	18
IDSL2540P25-Q2	25.40	18
IDSL2550P25-Q2	25.50	18
IDSL2560P25-Q2	25.60	18
IDSL2570P25-Q2	25.70	18
IDSL2580P25-Q2	25.80	18
IDSL2590P25-Q2	25.90	18
IDSL2600P25-Q2	26.00	18

注：Q2钻尖适用于灰口铸铁、球墨铸铁等钻孔。
Recommend Q2 drill tip to be used for grey iron cast, nodular cast iron.

IDSL-P25-QA 自锁式钻尖 Self-locking Drill Tip





Cr h8 140°

1.切削参数请参考BB029
2.单位：mm

1.Please refer to BB029 for cutting parameters.
2.Unit：mm

型号 Specification	DC	MIID
IDSL0800P25-QA	8.00	01
IDSL0810P25-QA	8.10	01
IDSL0820P25-QA	8.20	01
IDSL0830P25-QA	8.30	01
IDSL0840P25-QA	8.40	01
IDSL0850P25-QA	8.50	01
IDSL0860P25-QA	8.60	01
IDSL0870P25-QA	8.70	01
IDSL0880P25-QA	8.80	01
IDSL0890P25-QA	8.90	01
IDSL0900P25-QA	9.00	02
IDSL0910P25-QA	9.10	02
IDSL0920P25-QA	9.20	02
IDSL0930P25-QA	9.30	02
IDSL0940P25-QA	9.40	02
IDSL0950P25-QA	9.50	02
IDSL0960P25-QA	9.60	02
IDSL0970P25-QA	9.70	02
IDSL0980P25-QA	9.80	02
IDSL0990P25-QA	9.90	02
IDSL1000P25-QA	10.00	03
IDSL1010P25-QA	10.10	03
IDSL1020P25-QA	10.20	03
IDSL1030P25-QA	10.30	03
IDSL1040P25-QA	10.40	03
IDSL1050P25-QA	10.50	03
IDSL1060P25-QA	10.60	03
IDSL1070P25-QA	10.70	03
IDSL1080P25-QA	10.80	03
IDSL1090P25-QA	10.90	03
IDSL1100P25-QA	11.00	04
IDSL1110P25-QA	11.10	04
IDSL1120P25-QA	11.20	04
IDSL1130P25-QA	11.30	04
IDSL1140P25-QA	11.40	04
IDSL1150P25-QA	11.50	04
IDSL1160P25-QA	11.60	04
IDSL1170P25-QA	11.70	04
IDSL1180P25-QA	11.80	04
IDSL1190P25-QA	11.90	04
IDSL1200P25-QA	12.00	05
IDSL1210P25-QA	12.10	05
IDSL1220P25-QA	12.20	05
IDSL1230P25-QA	12.30	05
IDSL1240P25-QA	12.40	05
IDSL1250P25-QA	12.50	05
IDSL1260P25-QA	12.60	05
IDSL1270P25-QA	12.70	05

型号 Specification	DC	MIID
IDSL1280P25-QA	12.80	05
IDSL1290P25-QA	12.90	05
IDSL1300P25-QA	13.00	06
IDSL1310P25-QA	13.10	06
IDSL1320P25-QA	13.20	06
IDSL1330P25-QA	13.30	06
IDSL1340P25-QA	13.40	06
IDSL1350P25-QA	13.50	06
IDSL1360P25-QA	13.60	06
IDSL1370P25-QA	13.70	06
IDSL1380P25-QA	13.80	06
IDSL1390P25-QA	13.90	06
IDSL1400P25-QA	14.00	07
IDSL1410P25-QA	14.10	07
IDSL1420P25-QA	14.20	07
IDSL1430P25-QA	14.30	07
IDSL1440P25-QA	14.40	07
IDSL1450P25-QA	14.50	07
IDSL1460P25-QA	14.60	07
IDSL1470P25-QA	14.70	07
IDSL1480P25-QA	14.80	07
IDSL1490P25-QA	14.90	07
IDSL1500P25-QA	15.00	08
IDSL1510P25-QA	15.10	08
IDSL1520P25-QA	15.20	08
IDSL1530P25-QA	15.30	08
IDSL1540P25-QA	15.40	08
IDSL1550P25-QA	15.50	08
IDSL1560P25-QA	15.60	08
IDSL1570P25-QA	15.70	08
IDSL1580P25-QA	15.80	08
IDSL1590P25-QA	15.90	08
IDSL1600P25-QA	16.00	09
IDSL1610P25-QA	16.10	09
IDSL1620P25-QA	16.20	09
IDSL1630P25-QA	16.30	09
IDSL1640P25-QA	16.40	09
IDSL1650P25-QA	16.50	09
IDSL1660P25-QA	16.60	09
IDSL1670P25-QA	16.70	09
IDSL1680P25-QA	16.80	09
IDSL1690P25-QA	16.90	09
IDSL1700P25-QA	17.00	10
IDSL1710P25-QA	17.10	10
IDSL1720P25-QA	17.20	10
IDSL1730P25-QA	17.30	10
IDSL1740P25-QA	17.40	10
IDSL1750P25-QA	17.50	10

可换头钻头 Interchangeable Tip Drill

IDSL-P25-QA 自锁式钻尖 Self-locking Drill Tip

分体式钻头 Split Drill

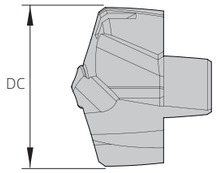
型号 Specification	DC	MIID
IDSL1760P25-QA	17.60	10
IDSL1770P25-QA	17.70	10
IDSL1780P25-QA	17.80	10
IDSL1790P25-QA	17.90	10
IDSL1800P25-QA	18.00	11
IDSL1810P25-QA	18.10	11
IDSL1820P25-QA	18.20	11
IDSL1830P25-QA	18.30	11
IDSL1840P25-QA	18.40	11
IDSL1850P25-QA	18.50	11
IDSL1860P25-QA	18.60	11
IDSL1870P25-QA	18.70	11
IDSL1880P25-QA	18.80	11
IDSL1890P25-QA	18.90	11
IDSL1900P25-QA	19.00	12
IDSL1910P25-QA	19.10	12
IDSL1920P25-QA	19.20	12
IDSL1930P25-QA	19.30	12
IDSL1940P25-QA	19.40	12
IDSL1950P25-QA	19.50	12
IDSL1960P25-QA	19.60	12
IDSL1970P25-QA	19.70	12
IDSL1980P25-QA	19.80	12
IDSL1990P25-QA	19.90	12
IDSL2000P25-QA	20.00	13
IDSL2010P25-QA	20.10	13
IDSL2020P25-QA	20.20	13
IDSL2030P25-QA	20.30	13
IDSL2040P25-QA	20.40	13
IDSL2050P25-QA	20.50	13
IDSL2060P25-QA	20.60	13
IDSL2070P25-QA	20.70	13
IDSL2080P25-QA	20.80	13
IDSL2090P25-QA	20.90	13
IDSL2100P25-QA	21.00	14
IDSL2110P25-QA	21.10	14
IDSL2120P25-QA	21.20	14
IDSL2130P25-QA	21.30	14
IDSL2140P25-QA	21.40	14
IDSL2150P25-QA	21.50	14
IDSL2160P25-QA	21.60	14
IDSL2170P25-QA	21.70	14
IDSL2180P25-QA	21.80	14

型号 Specification	DC	MIID
IDSL2190P25-QA	21.90	14
IDSL2200P25-QA	22.00	15
IDSL2210P25-QA	22.10	15
IDSL2220P25-QA	22.20	15
IDSL2230P25-QA	22.30	15
IDSL2240P25-QA	22.40	15
IDSL2250P25-QA	22.50	15
IDSL2260P25-QA	22.60	15
IDSL2270P25-QA	22.70	15
IDSL2280P25-QA	22.80	15
IDSL2290P25-QA	22.90	15
IDSL2300P25-QA	23.00	16
IDSL2310P25-QA	23.10	16
IDSL2320P25-QA	23.20	16
IDSL2330P25-QA	23.30	16
IDSL2340P25-QA	23.40	16
IDSL2350P25-QA	23.50	16
IDSL2360P25-QA	23.60	16
IDSL2370P25-QA	23.70	16
IDSL2380P25-QA	23.80	16
IDSL2390P25-QA	23.90	16
IDSL2400P25-QA	24.00	17
IDSL2410P25-QA	24.10	17
IDSL2420P25-QA	24.20	17
IDSL2430P25-QA	24.30	17
IDSL2440P25-QA	24.40	17
IDSL2450P25-QA	24.50	17
IDSL2460P25-QA	24.60	17
IDSL2470P25-QA	24.70	17
IDSL2480P25-QA	24.80	17
IDSL2490P25-QA	24.90	17
IDSL2500P25-QA	25.00	18
IDSL2510P25-QA	25.10	18
IDSL2520P25-QA	25.20	18
IDSL2530P25-QA	25.30	18
IDSL2540P25-QA	25.40	18
IDSL2550P25-QA	25.50	18
IDSL2560P25-QA	25.60	18
IDSL2570P25-QA	25.70	18
IDSL2580P25-QA	25.80	18
IDSL2590P25-QA	25.90	18
IDSL2600P25-QA	26.00	18

注：QA钻尖具有定心功能，轴向钻削力较小，5D以上钻孔更具优势，尖适用于中高碳钢、合金钢等钻孔。
Note: The QA drill tip with centering function, and the axial drilling force is relatively small. Drilling with a diameter of 5 * D or more is superior advantages and more suitable for drilling medium and high carbon steel and alloy steel.

IDSL-P25-QB 自锁式钻尖 Self-locking Drill Tip





Cr h8 140°

1.切削参数请参考BB029
2.单位：mm

1.Please refer to BB029 for cutting parameters.
2.Unit：mm

型号 Specification	DC	MIID
IDSL0800P25-QB	8.00	01
IDSL0810P25-QB	8.10	01
IDSL0820P25-QB	8.20	01
IDSL0830P25-QB	8.30	01
IDSL0840P25-QB	8.40	01
IDSL0850P25-QB	8.50	01
IDSL0860P25-QB	8.60	01
IDSL0870P25-QB	8.70	01
IDSL0880P25-QB	8.80	01
IDSL0890P25-QB	8.90	01
IDSL0900P25-QB	9.00	02
IDSL0910P25-QB	9.10	02
IDSL0920P25-QB	9.20	02
IDSL0930P25-QB	9.30	02
IDSL0940P25-QB	9.40	02
IDSL0950P25-QB	9.50	02
IDSL0960P25-QB	9.60	02
IDSL0970P25-QB	9.70	02
IDSL0980P25-QB	9.80	02
IDSL0990P25-QB	9.90	02
IDSL1000P25-QB	10.00	03
IDSL1010P25-QB	10.10	03
IDSL1020P25-QB	10.20	03
IDSL1030P25-QB	10.30	03
IDSL1040P25-QB	10.40	03
IDSL1050P25-QB	10.50	03
IDSL1060P25-QB	10.60	03
IDSL1070P25-QB	10.70	03
IDSL1080P25-QB	10.80	03
IDSL1090P25-QB	10.90	03
IDSL1100P25-QB	11.00	04
IDSL1110P25-QB	11.10	04
IDSL1120P25-QB	11.20	04
IDSL1130P25-QB	11.30	04
IDSL1140P25-QB	11.40	04
IDSL1150P25-QB	11.50	04
IDSL1160P25-QB	11.60	04
IDSL1170P25-QB	11.70	04
IDSL1180P25-QB	11.80	04
IDSL1190P25-QB	11.90	04
IDSL1200P25-QB	12.00	05
IDSL1210P25-QB	12.10	05
IDSL1220P25-QB	12.20	05
IDSL1230P25-QB	12.30	05
IDSL1240P25-QB	12.40	05
IDSL1250P25-QB	12.50	05
IDSL1260P25-QB	12.60	05
IDSL1270P25-QB	12.70	05

型号 Specification	DC	MIID
IDSL1280P25-QB	12.80	05
IDSL1290P25-QB	12.90	05
IDSL1300P25-QB	13.00	06
IDSL1310P25-QB	13.10	06
IDSL1320P25-QB	13.20	06
IDSL1330P25-QB	13.30	06
IDSL1340P25-QB	13.40	06
IDSL1350P25-QB	13.50	06
IDSL1360P25-QB	13.60	06
IDSL1370P25-QB	13.70	06
IDSL1380P25-QB	13.80	06
IDSL1390P25-QB	13.90	06
IDSL1400P25-QB	14.00	07
IDSL1410P25-QB	14.10	07
IDSL1420P25-QB	14.20	07
IDSL1430P25-QB	14.30	07
IDSL1440P25-QB	14.40	07
IDSL1450P25-QB	14.50	07
IDSL1460P25-QB	14.60	07
IDSL1470P25-QB	14.70	07
IDSL1480P25-QB	14.80	07
IDSL1490P25-QB	14.90	07
IDSL1500P25-QB	15.00	08
IDSL1510P25-QB	15.10	08
IDSL1520P25-QB	15.20	08
IDSL1530P25-QB	15.30	08
IDSL1540P25-QB	15.40	08
IDSL1550P25-QB	15.50	08
IDSL1560P25-QB	15.60	08
IDSL1570P25-QB	15.70	08
IDSL1580P25-QB	15.80	08
IDSL1590P25-QB	15.90	08
IDSL1600P25-QB	16.00	09
IDSL1610P25-QB	16.10	09
IDSL1620P25-QB	16.20	09
IDSL1630P25-QB	16.30	09
IDSL1640P25-QB	16.40	09
IDSL1650P25-QB	16.50	09
IDSL1660P25-QB	16.60	09
IDSL1670P25-QB	16.70	09
IDSL1680P25-QB	16.80	09
IDSL1690P25-QB	16.90	09
IDSL1700P25-QB	17.00	10
IDSL1710P25-QB	17.10	10
IDSL1720P25-QB	17.20	10
IDSL1730P25-QB	17.30	10
IDSL1740P25-QB	17.40	10
IDSL1750P25-QB	17.50	10

可换头钻头 Interchangeable Tip Drill

IDSL-P25-QB 自锁式钻尖 Self-locking Drill Tip

分体式钻头 Split Drill

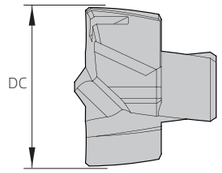
型号 Specification	DC	MIID
IDSL1760P25-QB	17.60	10
IDSL1770P25-QB	17.70	10
IDSL1780P25-QB	17.80	10
IDSL1790P25-QB	17.90	10
IDSL1800P25-QB	18.00	11
IDSL1810P25-QB	18.10	11
IDSL1820P25-QB	18.20	11
IDSL1830P25-QB	18.30	11
IDSL1840P25-QB	18.40	11
IDSL1850P25-QB	18.50	11
IDSL1860P25-QB	18.60	11
IDSL1870P25-QB	18.70	11
IDSL1880P25-QB	18.80	11
IDSL1890P25-QB	18.90	11
IDSL1900P25-QB	19.00	12
IDSL1910P25-QB	19.10	12
IDSL1920P25-QB	19.20	12
IDSL1930P25-QB	19.30	12
IDSL1940P25-QB	19.40	12
IDSL1950P25-QB	19.50	12
IDSL1960P25-QB	19.60	12
IDSL1970P25-QB	19.70	12
IDSL1980P25-QB	19.80	12
IDSL1990P25-QB	19.90	12
IDSL2000P25-QB	20.00	13
IDSL2010P25-QB	20.10	13
IDSL2020P25-QB	20.20	13
IDSL2030P25-QB	20.30	13
IDSL2040P25-QB	20.40	13
IDSL2050P25-QB	20.50	13
IDSL2060P25-QB	20.60	13
IDSL2070P25-QB	20.70	13
IDSL2080P25-QB	20.80	13
IDSL2090P25-QB	20.90	13
IDSL2100P25-QB	21.00	14
IDSL2110P25-QB	21.10	14
IDSL2120P25-QB	21.20	14
IDSL2130P25-QB	21.30	14
IDSL2140P25-QB	21.40	14
IDSL2150P25-QB	21.50	14
IDSL2160P25-QB	21.60	14
IDSL2170P25-QB	21.70	14
IDSL2180P25-QB	21.80	14

型号 Specification	DC	MIID
IDSL2190P25-QB	21.90	14
IDSL2200P25-QB	22.00	15
IDSL2210P25-QB	22.10	15
IDSL2220P25-QB	22.20	15
IDSL2230P25-QB	22.30	15
IDSL2240P25-QB	22.40	15
IDSL2250P25-QB	22.50	15
IDSL2260P25-QB	22.60	15
IDSL2270P25-QB	22.70	15
IDSL2280P25-QB	22.80	15
IDSL2290P25-QB	22.90	15
IDSL2300P25-QB	23.00	16
IDSL2310P25-QB	23.10	16
IDSL2320P25-QB	23.20	16
IDSL2330P25-QB	23.30	16
IDSL2340P25-QB	23.40	16
IDSL2350P25-QB	23.50	16
IDSL2360P25-QB	23.60	16
IDSL2370P25-QB	23.70	16
IDSL2380P25-QB	23.80	16
IDSL2390P25-QB	23.90	16
IDSL2400P25-QB	24.00	17
IDSL2410P25-QB	24.10	17
IDSL2420P25-QB	24.20	17
IDSL2430P25-QB	24.30	17
IDSL2440P25-QB	24.40	17
IDSL2450P25-QB	24.50	17
IDSL2460P25-QB	24.60	17
IDSL2470P25-QB	24.70	17
IDSL2480P25-QB	24.80	17
IDSL2490P25-QB	24.90	17
IDSL2500P25-QB	25.00	18
IDSL2510P25-QB	25.10	18
IDSL2520P25-QB	25.20	18
IDSL2530P25-QB	25.30	18
IDSL2540P25-QB	25.40	18
IDSL2550P25-QB	25.50	18
IDSL2560P25-QB	25.60	18
IDSL2570P25-QB	25.70	18
IDSL2580P25-QB	25.80	18
IDSL2590P25-QB	25.90	18
IDSL2600P25-QB	26.00	18

注：QB钻尖具有定心功能，轴向钻削力较小，5D以上钻孔更具优势，适用于低碳钢、合金钢等钻孔。
Note: The QA drill tip with centering function, and the axial drilling force is relatively small. Drilling with a diameter of 5 * D or more is superior advantages and more suitable for drilling medium and high carbon steel and alloy steel.

IDSL-P25-QF 自锁式钻尖 Self-locking Drill Tip





Cr h8 180°

1.切削参数请参考BB029
2.单位：mm

1.Please refer to BB029 for cutting parameters.
2.Unit：mm

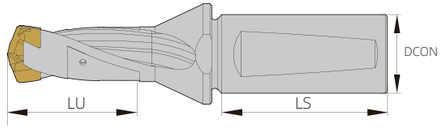
型号 Specification	DC	MIID
IDSL0800P25-QF	8.00	01
IDSL0850P25-QF	8.50	01
IDSL0900P25-QF	9.00	02
IDSL0950P25-QF	9.50	02
IDSL1000P25-QF	10.00	03
IDSL1050P25-QF	10.50	03
IDSL1100P25-QF	11.00	04
IDSL1150P25-QF	11.50	04
IDSL1200P25-QF	12.00	05
IDSL1250P25-QF	12.50	05
IDSL1300P25-QF	13.00	06
IDSL1350P25-QF	13.50	06
IDSL1400P25-QF	14.00	07
IDSL1450P25-QF	14.50	07
IDSL1500P25-QF	15.00	08
IDSL1550P25-QF	15.50	08
IDSL1600P25-QF	16.00	09
IDSL1650P25-QF	16.50	09
IDSL1700P25-QF	17.00	10
IDSL1750P25-QF	17.50	10
IDSL1800P25-QF	18.00	11
IDSL1850P25-QF	18.50	11
IDSL1900P25-QF	19.00	12
IDSL1950P25-QF	19.50	12
IDSL2000P25-QF	20.00	13
IDSL2050P25-QF	20.50	13
IDSL2100P25-QF	21.00	14
IDSL2150P25-QF	21.50	14
IDSL2200P25-QF	22.00	15
IDSL2250P25-QF	22.50	15
IDSL2300P25-QF	23.00	16
IDSL2350P25-QF	23.50	16
IDSL2400P25-QF	24.00	17
IDSL2450P25-QF	24.50	17
IDSL2500P25-QF	25.00	18
IDSL2550P25-QF	25.50	18
IDSL2600P25-QF	26.00	18

型号 Specification	DC	MIID

可换头钻头 Interchangeable Tip Drill

IDSL 自锁式钻体(1.5D)
Self-locking Drill Body(1.5D)





Ni | HE h7

1.单位：mm
2.所有钻体应使用指定标识刀片
3.刀片单独订购

1.Unit：mm
2.All drill bodies shall use the specified trademark insert.
3.Insert ordered separately.

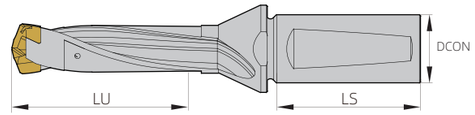
型号 Specification	DCN	DCX	DCON	LU	LS	扳手 Wrench
IDSL080FD01D12	8.00	8.99	12	16	45	BBCF01
IDSL090FD01D12	9.00	9.99	12	18	45	BBCF01
IDSL100FD01D16	10.00	10.99	16	20	48	BBCF01
IDSL110FD01D16	11.00	11.99	16	22	48	BBCF01
IDSL120FD01D16	12.00	12.99	16	24	48	BBCF02
IDSL130FD01D16	13.00	13.99	16	25	48	BBCF02
IDSL140FD01D16	14.00	14.99	16	27	48	BBCF02
IDSL150FD01D20	15.00	15.99	20	29	50	BBCF02
IDSL160FD01D20	16.00	16.99	20	30	50	BBCF02
IDSL170FD01D20	17.00	17.99	20	32	50	BBCF03
IDSL180FD01D25	18.00	18.99	25	34	56	BBCF03
IDSL190FD01D25	19.00	19.99	25	36	56	BBCF03
IDSL200FD01D25	20.00	20.99	25	38	56	BBCF03
IDSL210FD01D25	21.00	21.99	25	40	56	BBCF04
IDSL220FD01D25	22.00	22.99	25	42	56	BBCF04
IDSL230FD01D32	23.00	23.99	32	43	60	BBCF04
IDSL240FD01D32	24.00	24.99	32	45	60	BBCF04
IDSL250FD01D32	25.00	26.00	32	47	60	BBCF04

钻尖Drill Tip → BB005-013

可换头钻头 Interchangeable Tip Drill

IDSL 自锁式钻体(3D)
Self-locking Drill Body(3D)





Ni | HE h7

1.单位：mm
2.所有钻体应使用指定标识刀片
3.刀片单独订购

1.Unit：mm
2.All drill bodies shall use the specified trademark insert.
3.Insert ordered separately.

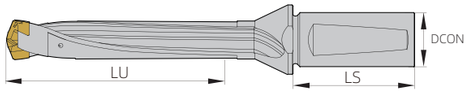
型号 Specification	DCN	DCX	DCON	LU	LS	扳手 Wrench
IDSL080FD03D12	8.00	8.99	12	32	45	BBCF01
IDSL090FD03D12	9.00	9.99	12	35	45	BBCF01
IDSL100FD03D16	10.00	10.99	16	39	48	BBCF01
IDSL110FD03D16	11.00	11.99	16	42	48	BBCF01
IDSL120FD03D16	12.00	12.99	16	45	48	BBCF02
IDSL130FD03D16	13.00	13.99	16	49	48	BBCF02
IDSL140FD03D16	14.00	14.99	16	53	48	BBCF02
IDSL150FD03D20	15.00	15.99	20	56	50	BBCF02
IDSL160FD03D20	16.00	16.99	20	60	50	BBCF02
IDSL170FD03D20	17.00	17.99	20	63	50	BBCF03
IDSL180FD03D25	18.00	18.99	25	66	56	BBCF03
IDSL190FD03D25	19.00	19.99	25	70	56	BBCF03
IDSL200FD03D25	20.00	20.99	25	73	56	BBCF03
IDSL210FD03D25	21.00	21.99	25	77	56	BBCF04
IDSL220FD03D25	22.00	22.99	25	80	56	BBCF04
IDSL230FD03D32	23.00	23.99	32	84	60	BBCF04
IDSL240FD03D32	24.00	24.99	32	88	60	BBCF04
IDSL250FD03D32	25.00	26.00	32	91	60	BBCF04

钻尖Drill Tip → BB005-013

分体式钻头
Split Drill

IDSL 自锁式钻体(5D) Self-locking Drill Body(5D)





Ni | HE h7

1.单位：mm
2.所有钻体应使用指定标识刀片
3.刀片单独订购

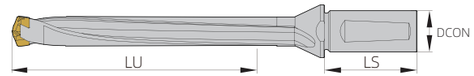
1.Unit：mm
2.All drill bodies shall use the specified trademark insert.
3.Insert ordered separately.

型号 Specification	DCN	DCX	DCON	LU	LS	扳手 Wrench
IDSL080FD05D12	8.00	8.99	12	50	45	BBCF01
IDSL090FD05D12	9.00	9.99	12	55	45	BBCF01
IDSL100FD05D16	10.00	10.99	16	60	48	BBCF01
IDSL110FD05D16	11.00	11.99	16	66	48	BBCF01
IDSL120FD05D16	12.00	12.99	16	71	48	BBCF02
IDSL130FD05D16	13.00	13.99	16	77	48	BBCF02
IDSL140FD05D16	14.00	14.99	16	82	48	BBCF02
IDSL150FD05D20	15.00	15.99	20	88	50	BBCF02
IDSL160FD05D20	16.00	16.99	20	93	50	BBCF02
IDSL170FD05D20	17.00	17.99	20	99	50	BBCF03
IDSL180FD05D25	18.00	18.99	25	104	56	BBCF03
IDSL190FD05D25	19.00	19.99	25	110	56	BBCF03
IDSL200FD05D25	20.00	20.99	25	115	56	BBCF03
IDSL210FD05D25	21.00	21.99	25	121	56	BBCF04
IDSL220FD05D25	22.00	22.99	25	126	56	BBCF04
IDSL230FD05D32	23.00	23.99	32	132	60	BBCF04
IDSL240FD05D32	24.00	24.99	32	137	60	BBCF04
IDSL250FD05D32	25.00	26.00	32	143	60	BBCF04

钻尖Drill Tip → BB005-013

IDSL 自锁式钻体(8D) Self-locking Drill Body(8D)





Ni | HE h7

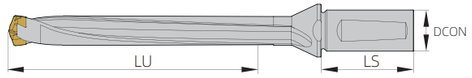
1.单位：mm
2.所有钻体应使用指定标识刀片
3.刀片单独订购

1.Unit：mm
2.All drill bodies shall use the specified trademark insert.
3.Insert ordered separately.

型号 Specification	DCN	DCX	DCON	LU	LS	扳手 Wrench
IDSL120FD08D16	12.00	12.99	16	110	48	BBCF02
IDSL130FD08D16	13.00	13.99	16	119	48	BBCF02
IDSL140FD08D16	14.00	14.99	16	127	48	BBCF02
IDSL150FD08D20	15.00	15.99	20	136	50	BBCF02
IDSL160FD08D20	16.00	16.99	20	144	50	BBCF02
IDSL170FD08D20	17.00	17.99	20	153	50	BBCF03
IDSL180FD08D25	18.00	18.99	25	161	56	BBCF03
IDSL190FD08D25	19.00	19.99	25	170	56	BBCF03
IDSL200FD08D25	20.00	20.99	25	178	56	BBCF03
IDSL210FD08D25	21.00	21.99	25	187	56	BBCF04
IDSL220FD08D25	22.00	22.99	25	195	56	BBCF04
IDSL230FD08D32	23.00	23.99	32	204	60	BBCF04
IDSL240FD08D32	24.00	24.99	32	212	60	BBCF04
IDSL250FD08D32	25.00	26.00	32	221	60	BBCF04

IDSL 可换头皇冠钻钻体(12D) Type-crown Drill Body(12D)





Ni | HE h7

1.单位：mm
2.所有钻体应使用指定标识刀片
3.刀片单独订购

1.Unit：mm
2.All drill bodies shall use the specified trademark insert.
3.Insert ordered separately.

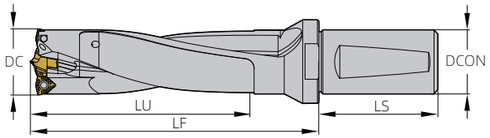
型号 Specification	DCN	DCX	DCON	LU	LS	扳手 Wrench
IDSL120FD12D16	12.00	12.99	16	162	48	BBCF02
IDSL130FD12D16	13.00	13.99	16	175	48	BBCF02
IDSL140FD12D16	14.00	14.99	16	187	48	BBCF02
IDSL150FD12D20	15.00	15.99	20	200	50	BBCF02
IDSL160FD12D20	16.00	16.99	20	212	50	BBCF02
IDSL170FD12D20	17.00	17.99	20	225	50	BBCF03
IDSL180FD12D25	18.00	18.99	25	237	56	BBCF03
IDSL190FD12D25	19.00	19.99	25	250	56	BBCF03
IDSL200FD12D25	20.00	20.99	25	262	56	BBCF03
IDSL210FD12D25	21.00	21.99	25	275	56	BBCF04
IDSL220FD12D25	22.00	22.99	25	287	56	BBCF04
IDSL230FD12D32	23.00	23.99	32	300	60	BBCF04
IDSL240FD12D32	24.00	24.99	32	313	60	BBCF04
IDSL250FD12D32	25.00	26.00	32	325	60	BBCF04

钻尖Drill Tip → BB005-013

可换头钻头 Interchangeable Tip Drill

IDSL 大径钻头自锁式钻体(3D)
Large Diameter Self-locking Drill Body(3D)





Ni | HE h7

1.单位：mm
2.所有钻体应使用指定标识刀片
3.刀片单独订购

1.Unit：mm
2.All drill bodies shall use the specified trademark insert.
3.Insert ordered separately.

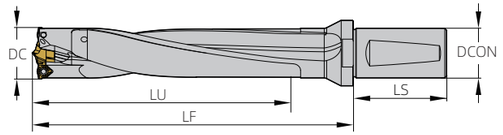
型号 Specification	钻尖 Drill Tip	刀片 Insert	DCON	LU	LF	LS	DC	扳手 Wrench	螺丝 Screw	刀片扳手 Insert Wrench
IDSL2800FD03D32-140	IDSL1400P25-CQA	AOMT040308SL	32	84	118	60	28.00	BBCF05	BBCF08	Q09
IDSL2858FD03D32-150	IDSL1500P25-CQA	AOMT040308SL	32	86	120	60	28.58	BBCF05	BBCF08	Q09
IDSL2900FD03D32-160	IDSL1600P25-CQA	AOMT040308SL	32	87	121	60	29.00	BBCF05	BBCF08	Q09
IDSL2936FD03D32-160	IDSL1600P25-CQA	AOMT040308SL	32	89	123	60	29.36	BBCF05	BBCF08	Q09
IDSL3000FD03D32-160	IDSL1600P25-CQA	AOMT040308SL	32	90	125	60	30.00	BBCF05	BBCF08	Q09
IDSL3018FD03D32-170	IDSL1700P25-CQA	AOMT040308SL	32	91	126	60	30.18	BBCF06	BBCF08	Q09
IDSL3096FD03D32-170	IDSL1700P25-CQA	AOMT040308SL	32	93	128	60	30.96	BBCF06	BBCF08	Q09
IDSL3100FD03D32-170	IDSL1700P25-CQA	AOMT040308SL	32	94	129	60	31.00	BBCF06	BBCF08	Q09
IDSL3175FD03D32-150	IDSL1500P25-CQA	WOMT080308SL	32	96	133	60	31.75	BBCF05	BBCF09	Q10
IDSL3200FD03D32-150	IDSL1500P25-CQA	WOMT080308SL	32	97	134	60	32.00	BBCF05	BBCF09	Q10
IDSL3300FD03D32-160	IDSL1600P25-CQA	WOMT080308SL	32	99	136	60	33.00	BBCF05	BBCF09	Q10
IDSL3320FD03D32-160	IDSL1600P25-CQA	WOMT080308SL	32	100	137	60	33.20	BBCF05	BBCF09	Q10
IDSL3335FD03D32-160	IDSL1600P25-CQA	WOMT080308SL	32	101	138	60	33.35	BBCF05	BBCF09	Q10
IDSL3400FD03D32-160	IDSL1600P25-CQA	WOMT080308SL	32	102	139	60	34.00	BBCF05	BBCF09	Q10
IDSL3493FD03D32-180	IDSL1800P25-CQA	WOMT080308SL	32	105	142	60	34.93	BBCF06	BBCF09	Q10
IDSL3500FD03D32-180	IDSL1800P25-CQA	WOMT080308SL	32	106	144	60	35.00	BBCF06	BBCF09	Q10
IDSL3600FD03D32-180	IDSL1800P25-CQA	WOMT080308SL	32	108	146	60	36.00	BBCF06	BBCF09	Q10
IDSL3653FD03D32-190	IDSL1900P25-CQA	WOMT080308SL	32	110	148	60	36.53	BBCF06	BBCF09	Q10
IDSL3700FD03D32-160	IDSL1600P25-CQA	WOMT100308SL	32	111	149	60	37.00	BBCF05	BBCF0A	Q15
IDSL3750FD03D32-160	IDSL1600P25-CQA	WOMT100308SL	32	113	151	60	37.50	BBCF05	BBCF0A	Q15
IDSL3800FD03D32-160	IDSL1600P25-CQA	WOMT100308SL	32	114	154	60	38.00	BBCF05	BBCF0A	Q15
IDSL3810FD03D32-160	IDSL1600P25-CQA	WOMT100308SL	32	115	155	60	38.10	BBCF05	BBCF0A	Q15
IDSL3900FD03D32-180	IDSL1800P25-CQA	WOMT100308SL	32	117	157	60	39.00	BBCF06	BBCF0A	Q15
IDSL3920FD03D32-180	IDSL1800P25-CQA	WOMT100308SL	32	118	158	60	39.20	BBCF06	BBCF0A	Q15
IDSL3970FD03D32-180	IDSL1800P25-CQA	WOMT100308SL	32	120	160	60	39.70	BBCF06	BBCF0A	Q15
IDSL4000FD03D50-180	IDSL1800P25-CQA	WOMT100308SL	50	121	164	70	40.00	BBCF06	BBCF0A	Q15
IDSL4100FD03D50-190	IDSL1900P25-CQA	WOMT100308SL	50	123	166	70	41.00	BBCF06	BBCF0A	Q15
IDSL4128FD03D50-190	IDSL1900P25-CQA	WOMT100308SL	50	124	167	70	41.28	BBCF06	BBCF0A	Q15
IDSL4200FD03D50-190	IDSL1900P25-CQA	WOMT120408SL	50	126	170	70	42.00	BBCF06	BBCF0A	Q15
IDSL4300FD03D50-160	IDSL1600P25-CQA	WOMT120408SL	50	129	173	70	43.00	BBCF05	BBCF0A	Q15
IDSL4400FD03D50-180	IDSL1800P25-CQA	WOMT120408SL	50	132	176	70	44.00	BBCF06	BBCF0A	Q15
IDSL4445FD03D50-180	IDSL1800P25-CQA	WOMT120408SL	50	134	178	70	44.45	BBCF06	BBCF0A	Q15
IDSL4500FD03D50-180	IDSL1800P25-CQA	WOMT120408SL	50	135	179	70	45.00	BBCF06	BBCF0A	Q15
IDSL4600FD03D50-190	IDSL1900P25-CQA	WOMT120408SL	50	138	182	70	46.00	BBCF06	BBCF0A	Q15
IDSL4700FD03D50-200	IDSL2000P25-CQA	WOMT120408SL	50	141	185	70	47.00	BBCF06	BBCF0A	Q15
IDSL4763FD03D50-210	IDSL2100P25-CQA	WOMT120408SL	50	143	187	70	47.63	BBCF07	BBCF0A	Q15
IDSL4800FD03D50-210	IDSL2100P25-CQA	WOMT120408SL	50	144	189	70	48.00	BBCF07	BBCF0A	Q15
IDSL4900FD03D50-220	IDSL2200P25-CQA	WOMT120408SL	50	147	192	70	49.00	BBCF07	BBCF0A	Q15
IDSL5000FD03D50-230	IDSL2300P25-CQA	WOMT120408SL	50	150	195	70	50.00	BBCF07	BBCF0A	Q15
IDSL5080FD03D50-240	IDSL2400P25-CQA	WOMT120408SL	50	153	198	70	50.80	BBCF07	BBCF0A	Q15
IDSL5100FD03D50-240	IDSL2400P25-CQA	WOMT120408SL	50	154	199	70	51.00	BBCF07	BBCF0A	Q15
IDSL5200FD03D50-250	IDSL2500P25-CQA	WOMT120408SL	50	156	201	70	52.00	BBCF07	BBCF0A	Q15
IDSL5300FD03D50-260	IDSL2600P25-CQA	WOMT120408SL	50	159	204	70	53.00	BBCF07	BBCF0A	Q15
IDSL5398FD03D50-270	IDSL2700P25-CQA	WOMT120408SL	50	162	207	70	53.98	BBCF07	BBCF0A	Q15
IDSL5400FD03D50-270	IDSL2700P25-CQA	WOMT120408SL	50	163	208	70	54.00	BBCF07	BBCF0A	Q15
IDSL5500FD03D50-280	IDSL2800P25-CQA	WOMT120408SL	50	165	210	70	55.00	BBCF07	BBCF0A	Q15

钻尖Drill Tip → BB0014
刀片Insert → BB0014

可换头钻头 Interchangeable Tip Drill

IDSL 大径钻头自锁式钻体(5D)
Large Diameter Self-locking Drill Body(5D)





Ni | HE h7

1.单位：mm
2.所有钻体应使用指定标识刀片
3.刀片单独订购

1.Unit：mm
2.All drill bodies shall use the specified trademark insert.
3.Insert ordered separately.

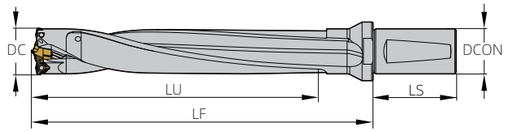
型号 Specification	钻尖 Drill Tip	刀片 Insert	DCON	LU	LF	LS	DC	扳手 Wrench	螺丝 Screw	刀片扳手 Insert Wrench
IDSL2800FD05D32-140	IDSL1400P25-CQA	AOMT040308SL	32	140	174	60	28.00	BBCF05	BBCF08	Q09
IDSL2858FD05D32-150	IDSL1500P25-CQA	AOMT040308SL	32	143	177	60	28.58	BBCF05	BBCF08	Q09
IDSL2900FD05D32-160	IDSL1600P25-CQA	AOMT040308SL	32	145	179	60	29.00	BBCF05	BBCF08	Q09
IDSL2936FD05D32-160	IDSL1600P25-CQA	AOMT040308SL	32	147	181	60	29.36	BBCF05	BBCF08	Q09
IDSL3000FD05D32-160	IDSL1600P25-CQA	AOMT040308SL	32	150	185	60	30.00	BBCF05	BBCF08	Q09
IDSL3018FD05D32-170	IDSL1700P25-CQA	AOMT040308SL	32	151	186	60	30.18	BBCF06	BBCF08	Q09
IDSL3096FD05D32-170	IDSL1700P25-CQA	AOMT040308SL	32	155	190	60	30.96	BBCF06	BBCF08	Q09
IDSL3100FD05D32-170	IDSL1700P25-CQA	AOMT040308SL	32	156	191	60	31.00	BBCF06	BBCF08	Q09
IDSL3175FD05D32-150	IDSL1500P25-CQA	WOMT080308SL	32	159	196	60	31.75	BBCF05	BBCF09	Q10
IDSL3200FD05D32-150	IDSL1500P25-CQA	WOMT080308SL	32	160	197	60	32.00	BBCF05	BBCF09	Q10
IDSL3300FD05D32-160	IDSL1600P25-CQA	WOMT080308SL	32	165	202	60	33.00	BBCF05	BBCF09	Q10
IDSL3320FD05D32-160	IDSL1600P25-CQA	WOMT080308SL	32	166	203	60	33.20	BBCF05	BBCF09	Q10
IDSL3335FD05D32-160	IDSL1600P25-CQA	WOMT080308SL	32	167	204	60	33.35	BBCF05	BBCF09	Q10
IDSL3400FD05D32-160	IDSL1600P25-CQA	WOMT080308SL	32	170	207	60	34.00	BBCF05	BBCF09	Q10
IDSL3493FD05D32-180	IDSL1800P25-CQA	WOMT080308SL	32	175	212	60	34.93	BBCF06	BBCF09	Q10
IDSL3500FD05D32-180	IDSL1800P25-CQA	WOMT080308SL	32	176	214	60	35.00	BBCF06	BBCF09	Q10
IDSL3600FD05D32-180	IDSL1800P25-CQA	WOMT080308SL	32	180	218	60	36.00	BBCF06	BBCF09	Q10
IDSL3653FD05D32-190	IDSL1900P25-CQA	WOMT080308SL	32	183	221	60	36.53	BBCF06	BBCF09	Q10
IDSL3700FD05D32-160	IDSL1600P25-CQA	WOMT100308SL	32	185	223	60	37.00	BBCF05	BBCF0A	Q15
IDSL3750FD05D32-160	IDSL1600P25-CQA	WOMT100308SL	32	188	226	60	37.50	BBCF05	BBCF0A	Q15
IDSL3800FD05D32-160	IDSL1600P25-CQA	WOMT100308SL	32	190	230	60	38.00	BBCF05	BBCF0A	Q15
IDSL3810FD05D32-160	IDSL1600P25-CQA	WOMT100308SL	32	191	231	60	38.10	BBCF05	BBCF0A	Q15
IDSL3900FD05D32-180	IDSL1800P25-CQA	WOMT100308SL	32	195	235	60	39.00	BBCF06	BBCF0A	Q15
IDSL3920FD05D32-180	IDSL1800P25-CQA	WOMT100308SL	32	196	236	60	39.20	BBCF06	BBCF0A	Q15
IDSL3970FD05D32-180	IDSL1800P25-CQA	WOMT100308SL	32	199	239	60	39.70	BBCF06	BBCF0A	Q15
IDSL4000FD05D50-180	IDSL1800P25-CQA	WOMT100308SL	50	200	243	70	40.00	BBCF06	BBCF0A	Q15
IDSL4100FD05D50-190	IDSL1900P25-CQA	WOMT100308SL	50	205	248	70	41.00	BBCF06	BBCF0A	Q15
IDSL4128FD05D50-190	IDSL1900P25-CQA	WOMT100308SL	50	207	250	70	41.28	BBCF06	BBCF0A	Q15
IDSL4200FD05D50-190	IDSL1900P25-CQA	WOMT120408SL	50	210	254	70	42.00	BBCF06	BBCF0A	Q15
IDSL4300FD05D50-160	IDSL1600P25-CQA	WOMT120408SL	50	215	259	70	43.00	BBCF05	BBCF0A	Q15
IDSL4400FD05D50-180	IDSL1800P25-CQA	WOMT120408SL	50	220	264	70	44.00	BBCF06	BBCF0A	Q15
IDSL4445FD05D50-180	IDSL1800P25-CQA	WOMT120408SL	50	223	267	70	44.45	BBCF06	BBCF0A	Q15
IDSL4500FD05D50-180	IDSL1800P25-CQA	WOMT120408SL	50	225	269	70	45.00	BBCF06	BBCF0A	Q15
IDSL4600FD05D50-190	IDSL1900P25-CQA	WOMT120408SL	50	230	274	70	46.00	BBCF06	BBCF0A	Q15
IDSL4700FD05D50-200	IDSL2000P25-CQA	WOMT120408SL	50	235	279	70	47.00	BBCF06	BBCF0A	Q15
IDSL4763FD05D50-210	IDSL2100P25-CQA	WOMT120408SL	50	139	183	70	47.63	BBCF07	BBCF0A	Q15
IDSL4800FD05D50-210	IDSL2100P25-CQA	WOMT120408SL	50	240	285	70	48.00	BBCF07	BBCF0A	Q15
IDSL4900FD05D50-220	IDSL2200P25-CQA	WOMT120408SL	50	245	290	70	49.00	BBCF07	BBCF0A	Q15
IDSL5000FD05D50-230	IDSL2300P25-CQA	WOMT120408SL	50	250	295	70	50.00	BBCF07	BBCF0A	Q15
IDSL5080FD05D50-240	IDSL2400P25-CQA	WOMT120408SL	50	254	299	70	50.80	BBCF07	BBCF0A	Q15
IDSL5100FD05D50-240	IDSL2400P25-CQA	WOMT120408SL	50	255	300	70	51.00	BBCF07	BBCF0A	Q15
IDSL5200FD05D50-250	IDSL2500P25-CQA	WOMT120408SL	50	260	305	70	52.00	BBCF07	BBCF0A	Q15
IDSL5300FD05D50-260	IDSL2600P25-CQA	WOMT120408SL	50	265	310	70	53.00	BBCF07	BBCF0A	Q15
IDSL5398FD05D50-270	IDSL2700P25-CQA	WOMT120408SL	50	270	315	70	53.98	BBCF07	BBCF0A	Q15
IDSL5400FD05D50-270	IDSL2700P25-CQA	WOMT120408SL	50	271	316	70	54.00	BBCF07	BBCF0A	Q15
IDSL5500FD05D50-280	IDSL2800P25-CQA	WOMT120408SL	50	275	320	70	55.00	BBCF07	BBCF0A	Q15

钻尖Drill Tip → BB0014
刀片Insert → BB0014

可换头钻头 Interchangeable Tip Drill

IDSL 大径钻头自锁式钻体(6D)
Large Diameter Self-locking Drill Body(6D)





Ni | HE h7

1.单位：mm
2.所有钻体应使用指定标识刀片
3.刀片单独订购

1.Unit：mm
2.All drill bodies shall use the specified trademark insert.
3.Insert ordered separately.

型号 Specification	钻尖 Drill Tip	刀片 Insert	DCON	LU	LF	LS	DC	扳手 Wrench	螺丝 Screw	刀片扳手 Insert Wrench
IDSL2800FD06D32-140	IDSL1400P25-CQA	AOMT040308SL	32	168	202	60	28.00	BBCF05	BBCF08	Q09
IDSL2858FD06D32-150	IDSL1500P25-CQA	AOMT040308SL	32	172	206	60	28.58	BBCF05	BBCF08	Q09
IDSL2900FD06D32-160	IDSL1600P25-CQA	AOMT040308SL	32	174	208	60	29.00	BBCF05	BBCF08	Q09
IDSL2936FD06D32-160	IDSL1600P25-CQA	AOMT040308SL	32	177	211	60	29.36	BBCF05	BBCF08	Q09
IDSL3000FD06D32-160	IDSL1600P25-CQA	AOMT040308SL	32	180	215	60	30.00	BBCF05	BBCF08	Q09
IDSL3018FD06D32-170	IDSL1700P25-CQA	AOMT040308SL	32	182	217	60	30.18	BBCF06	BBCF08	Q09
IDSL3096FD06D32-170	IDSL1700P25-CQA	AOMT040308SL	32	186	221	60	30.96	BBCF06	BBCF08	Q09
IDSL3100FD06D32-170	IDSL1700P25-CQA	AOMT040308SL	32	187	222	60	31.00	BBCF06	BBCF08	Q09
IDSL3175FD06D32-150	IDSL1500P25-CQA	WOMT080308SL	32	191	228	60	31.75	BBCF05	BBCF09	Q10
IDSL3200FD06D32-150	IDSL1500P25-CQA	WOMT080308SL	32	192	229	60	32.00	BBCF05	BBCF09	Q10
IDSL3300FD06D32-160	IDSL1600P25-CQA	WOMT080308SL	32	198	235	60	33.00	BBCF05	BBCF09	Q10
IDSL3320FD06D32-160	IDSL1600P25-CQA	WOMT080308SL	32	200	237	60	33.20	BBCF05	BBCF09	Q10
IDSL3335FD06D32-160	IDSL1600P25-CQA	WOMT080308SL	32	201	238	60	33.35	BBCF05	BBCF09	Q10
IDSL3400FD06D32-160	IDSL1600P25-CQA	WOMT080308SL	32	204	241	60	34.00	BBCF05	BBCF09	Q10
IDSL3493FD06D32-180	IDSL1800P25-CQA	WOMT080308SL	32	210	247	60	34.93	BBCF06	BBCF09	Q10
IDSL3500FD06D32-180	IDSL1800P25-CQA	WOMT080308SL	32	211	249	60	35.00	BBCF06	BBCF09	Q10
IDSL3600FD06D32-180	IDSL1800P25-CQA	WOMT080308SL	32	216	254	60	36.00	BBCF06	BBCF09	Q10
IDSL3653FD06D32-190	IDSL1900P25-CQA	WOMT080308SL	32	220	258	60	36.53	BBCF06	BBCF09	Q10
IDSL3700FD06D32-160	IDSL1600P25-CQA	WOMT100308SL	32	222	260	60	37.00	BBCF05	BBCF0A	Q15
IDSL3750FD06D32-160	IDSL1600P25-CQA	WOMT100308SL	32	225	263	60	37.50	BBCF05	BBCF0A	Q15
IDSL3800FD06D32-160	IDSL1600P25-CQA	WOMT100308SL	32	228	268	60	38.00	BBCF05	BBCF0A	Q15
IDSL3810FD06D32-160	IDSL1600P25-CQA	WOMT100308SL	32	229	269	60	38.10	BBCF05	BBCF0A	Q15
IDSL3900FD06D32-180	IDSL1800P25-CQA	WOMT100308SL	32	234	274	60	39.00	BBCF06	BBCF0A	Q15
IDSL3920FD06D32-180	IDSL1800P25-CQA	WOMT100308SL	32	236	276	60	39.20	BBCF06	BBCF0A	Q15
IDSL3970FD06D32-180	IDSL1800P25-CQA	WOMT100308SL	32	239	279	60	39.70	BBCF06	BBCF0A	Q15
IDSL4000FD06D50-180	IDSL1800P25-CQA	WOMT100308SL	50	240	283	70	40.00	BBCF06	BBCF0A	Q15
IDSL4100FD06D50-190	IDSL1900P25-CQA	WOMT100308SL	50	246	289	70	41.00	BBCF06	BBCF0A	Q15
IDSL4128FD06D50-190	IDSL1900P25-CQA	WOMT100308SL	50	248	291	70	41.28	BBCF06	BBCF0A	Q15
IDSL4200FD06D50-190	IDSL1900P25-CQA	WOMT120408SL	50	252	296	70	42.00	BBCF06	BBCF0A	Q15
IDSL4300FD06D50-160	IDSL1600P25-CQA	WOMT120408SL	50	258	302	70	43.00	BBCF05	BBCF0A	Q15
IDSL4400FD06D50-180	IDSL1800P25-CQA	WOMT120408SL	50	264	308	70	44.00	BBCF06	BBCF0A	Q15
IDSL4445FD06D50-180	IDSL1800P25-CQA	WOMT120408SL	50	267	311	70	44.45	BBCF06	BBCF0A	Q15
IDSL4500FD06D50-180	IDSL1800P25-CQA	WOMT120408SL	50	270	314	70	45.00	BBCF06	BBCF0A	Q15
IDSL4600FD06D50-190	IDSL1900P25-CQA	WOMT120408SL	50	276	320	70	46.00	BBCF06	BBCF0A	Q15
IDSL4700FD06D50-200	IDSL2000P25-CQA	WOMT120408SL	50	282	326	70	47.00	BBCF06	BBCF0A	Q15
IDSL4763FD06D50-210	IDSL2100P25-CQA	WOMT120408SL	50	286	330	70	47.63	BBCF07	BBCF0A	Q15
IDSL4800FD06D50-210	IDSL2100P25-CQA	WOMT120408SL	50	288	333	70	48.00	BBCF07	BBCF0A	Q15
IDSL4900FD06D50-220	IDSL2200P25-CQA	WOMT120408SL	50	294	339	70	49.00	BBCF07	BBCF0A	Q15
IDSL5000FD06D50-230	IDSL2300P25-CQA	WOMT120408SL	50	300	345	70	50.00	BBCF07	BBCF0A	Q15
IDSL5080FD06D50-240	IDSL2400P25-CQA	WOMT120408SL	50	305	350	70	50.80	BBCF07	BBCF0A	Q15
IDSL5100FD06D50-240	IDSL2400P25-CQA	WOMT120408SL	50	306	351	70	51.00	BBCF07	BBCF0A	Q15
IDSL5200FD06D50-250	IDSL2500P25-CQA	WOMT120408SL	50	312	357	70	52.00	BBCF07	BBCF0A	Q15
IDSL5300FD06D50-260	IDSL2600P25-CQA	WOMT120408SL	50	318	363	70	53.00	BBCF07	BBCF0A	Q15
IDSL5398FD06D50-270	IDSL2700P25-CQA	WOMT120408SL	50	324	369	70	53.98	BBCF07	BBCF0A	Q15
IDSL5400FD06D50-270	IDSL2700P25-CQA	WOMT120408SL	50	325	370	70	54.00	BBCF07	BBCF0A	Q15
IDSL5500FD06D50-280	IDSL2800P25-CQA	WOMT120408SL	50	330	375	70	55.00	BBCF07	BBCF0A	Q15

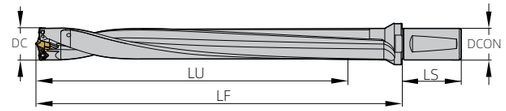
钻尖Drill Tip → BB0014
刀片Insert → BB0014

分体式钻头
Split Drill

可换头钻头 Interchangeable Tip Drill

IDSL 大径钻头自锁式钻体(7D)
Large Diameter Self-locking Drill Body(7D)





Ni | HE h7

1.单位：mm
2.所有钻体应使用指定标识刀片
3.刀片单独订购

1.Unit：mm
2.All drill bodies shall use the specified trademark insert.
3.Insert ordered separately.

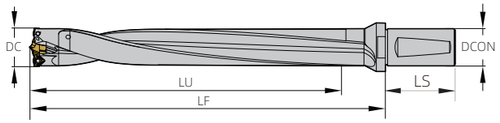
型号 Specification	钻尖 Drill Tip	刀片 Insert	DCON	LU	LF	LS	DC	扳手 Wrench	螺丝 Screw	刀片扳手 Insert Wrench
IDSL2800FD07D32-140	IDSL1400P25-CQA	AOMT040308SL	32	196	230	60	28.00	BBCF05	BBCF08	Q09
IDSL2858FD07D32-150	IDSL1500P25-CQA	AOMT040308SL	32	201	235	60	28.58	BBCF05	BBCF08	Q09
IDSL2900FD07D32-160	IDSL1600P25-CQA	AOMT040308SL	32	203	237	60	29.00	BBCF05	BBCF08	Q09
IDSL2936FD07D32-160	IDSL1600P25-CQA	AOMT040308SL	32	206	240	60	29.36	BBCF05	BBCF08	Q09
IDSL3000FD07D32-160	IDSL1600P25-CQA	AOMT040308SL	32	210	245	60	30.00	BBCF05	BBCF08	Q09
IDSL3018FD07D32-170	IDSL1700P25-CQA	AOMT040308SL	32	212	247	60	30.18	BBCF06	BBCF08	Q09
IDSL3096FD07D32-170	IDSL1700P25-CQA	AOMT040308SL	32	217	252	60	30.96	BBCF06	BBCF08	Q09
IDSL3100FD07D32-170	IDSL1700P25-CQA	AOMT040308SL	32	218	253	60	31.00	BBCF06	BBCF08	Q09
IDSL3175FD07D32-150	IDSL1500P25-CQA	WOMT080308SL	32	223	260	60	31.75	BBCF05	BBCF09	Q10
IDSL3200FD07D32-150	IDSL1500P25-CQA	WOMT080308SL	32	224	261	60	32.00	BBCF05	BBCF09	Q10
IDSL3300FD07D32-160	IDSL1600P25-CQA	WOMT080308SL	32	231	268	60	33.00	BBCF05	BBCF09	Q10
IDSL3320FD07D32-160	IDSL1600P25-CQA	WOMT080308SL	32	233	270	60	33.20	BBCF05	BBCF09	Q10
IDSL3335FD07D32-160	IDSL1600P25-CQA	WOMT080308SL	32	234	271	60	33.35	BBCF05	BBCF09	Q10
IDSL3400FD07D32-160	IDSL1600P25-CQA	WOMT080308SL	32	238	275	60	34.00	BBCF05	BBCF09	Q10
IDSL3493FD07D32-180	IDSL1800P25-CQA	WOMT080308SL	32	245	282	60	34.93	BBCF06	BBCF09	Q10
IDSL3500FD07D32-180	IDSL1800P25-CQA	WOMT080308SL	32	246	284	60	35.00	BBCF06	BBCF09	Q10
IDSL3600FD07D32-180	IDSL1800P25-CQA	WOMT080308SL	32	252	290	60	36.00	BBCF06	BBCF09	Q10
IDSL3653FD07D32-190	IDSL1900P25-CQA	WOMT080308SL	32	256	294	60	36.53	BBCF06	BBCF09	Q10
IDSL3700FD07D32-160	IDSL1600P25-CQA	WOMT100308SL	32	259	297	60	37.00	BBCF05	BBCF0A	Q15
IDSL3750FD07D32-160	IDSL1600P25-CQA	WOMT100308SL	32	263	301	60	37.50	BBCF05	BBCF0A	Q15
IDSL3800FD07D32-160	IDSL1600P25-CQA	WOMT100308SL	32	266	306	60	38.00	BBCF05	BBCF0A	Q15
IDSL3810FD07D32-160	IDSL1600P25-CQA	WOMT100308SL	32	267	307	60	38.10	BBCF05	BBCF0A	Q15
IDSL3900FD07D32-180	IDSL1800P25-CQA	WOMT100308SL	32	273	313	60	39.00	BBCF06	BBCF0A	Q15
IDSL3920FD07D32-180	IDSL1800P25-CQA	WOMT100308SL	32	275	315	60	39.20	BBCF06	BBCF0A	Q15
IDSL3970FD07D32-180	IDSL1800P25-CQA	WOMT100308SL	32	278	318	60	39.70	BBCF06	BBCF0A	Q15
IDSL4000FD07D50-180	IDSL1800P25-CQA	WOMT100308SL	50	280	323	70	40.00	BBCF06	BBCF0A	Q15
IDSL4100FD07D50-190	IDSL1900P25-CQA	WOMT100308SL	50	287	330	70	41.00	BBCF06	BBCF0A	Q15
IDSL4128FD07D50-190	IDSL1900P25-CQA	WOMT100308SL	50	289	332	70	41.28	BBCF06	BBCF0A	Q15
IDSL4200FD07D50-190	IDSL1900P25-CQA	WOMT120408SL	50	294	338	70	42.00	BBCF06	BBCF0A	Q15
IDSL4300FD07D50-160	IDSL1600P25-CQA	WOMT120408SL	50	301	345	70	43.00	BBCF05	BBCF0A	Q15
IDSL4400FD07D50-180	IDSL1800P25-CQA	WOMT120408SL	50	308	352	70	44.00	BBCF06	BBCF0A	Q15
IDSL4445FD07D50-180	IDSL1800P25-CQA	WOMT120408SL	50	312	356	70	44.45	BBCF06	BBCF0A	Q15
IDSL4500FD07D50-180	IDSL1800P25-CQA	WOMT120408SL	50	315	359	70	45.00	BBCF06	BBCF0A	Q15
IDSL4600FD07D50-190	IDSL1900P25-CQA	WOMT120408SL	50	322	366	70	46.00	BBCF06	BBCF0A	Q15
IDSL4700FD07D50-200	IDSL2000P25-CQA	WOMT120408SL	50	329	373	70	47.00	BBCF06	BBCF0A	Q15
IDSL4763FD07D50-210	IDSL2100P25-CQA	WOMT120408SL	50	334	378	70	47.63	BBCF07	BBCF0A	Q15
IDSL4800FD07D50-210	IDSL2100P25-CQA	WOMT120408SL	50	336	381	70	48.00	BBCF07	BBCF0A	Q15
IDSL4900FD07D50-220	IDSL2200P25-CQA	WOMT120408SL	50	343	388	70	49.00	BBCF07	BBCF0A	Q15
IDSL5000FD07D50-230	IDSL2300P25-CQA	WOMT120408SL	50	350	395	70	50.00	BBCF07	BBCF0A	Q15
IDSL5080FD07D50-240	IDSL2400P25-CQA	WOMT120408SL	50	356	401	70	50.80	BBCF07	BBCF0A	Q15
IDSL5100FD07D50-240	IDSL2400P25-CQA	WOMT120408SL	50	357	402	70	51.00	BBCF07	BBCF0A	Q15
IDSL5200FD07D50-250	IDSL2500P25-CQA	WOMT120408SL	50	364	409	70	52.00	BBCF07	BBCF0A	Q15
IDSL5300FD07D50-260	IDSL2600P25-CQA	WOMT120408SL	50	371	416	70	53.00	BBCF07	BBCF0A	Q15
IDSL5398FD07D50-270	IDSL2700P25-CQA	WOMT120408SL	50	378	423	70	53.98	BBCF07	BBCF0A	Q15
IDSL5400FD07D50-270	IDSL2700P25-CQA	WOMT120408SL	50	379	424	70	54.00	BBCF07	BBCF0A	Q15
IDSL5500FD07D50-280	IDSL2800P25-CQA	WOMT120408SL	50	385	430	70	55.00	BBCF07	BBCF0A	Q15

钻尖Drill Tip → BB0014
刀片Insert → BB0014

可换头钻头 Interchangeable Tip Drill

IDSL 大径钻头自锁式钻体(8D)
Large Diameter Self-locking Drill Body(8D)





Ni HE h7

1.单位：mm
2.所有钻体应使用指定标识刀片
3.刀片单独订购

1.Unit：mm
2.All drill bodies shall use the specified identifying insert.
3.Insert ordered separately.

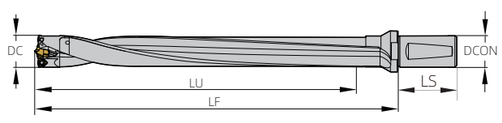
型号 Specification	钻尖 Drill Tip	刀片 Insert	DCON	LU	LF	LS	DC	扳手 Wrench	螺丝 Screw	刀片扳手 Insert Wrench
IDSL2800FD08D32-140	IDSL1400P25-CQA	AOMT040308SL	32	224	258	60	28.00	BBCF05	BBCF08	Q09
IDSL2858FD08D32-150	IDSL1500P25-CQA	AOMT040308SL	32	229	263	60	28.58	BBCF05	BBCF08	Q09
IDSL2900FD08D32-160	IDSL1600P25-CQA	AOMT040308SL	32	232	266	60	29.00	BBCF05	BBCF08	Q09
IDSL2936FD08D32-160	IDSL1600P25-CQA	AOMT040308SL	32	235	269	60	29.36	BBCF05	BBCF08	Q09
IDSL3000FD08D32-160	IDSL1600P25-CQA	AOMT040308SL	32	240	275	60	30.00	BBCF05	BBCF08	Q09
IDSL3018FD08D32-170	IDSL1700P25-CQA	AOMT040308SL	32	242	277	60	30.18	BBCF06	BBCF08	Q09
IDSL3096FD08D32-170	IDSL1700P25-CQA	AOMT040308SL	32	248	283	60	30.96	BBCF06	BBCF08	Q09
IDSL3100FD08D32-170	IDSL1700P25-CQA	AOMT040308SL	32	249	284	60	31.00	BBCF06	BBCF08	Q09
IDSL3175FD08D32-150	IDSL1500P25-CQA	WOMT080308SL	32	254	291	60	31.75	BBCF05	BBCF09	Q10
IDSL3200FD08D32-150	IDSL1500P25-CQA	WOMT080308SL	32	256	293	60	32.00	BBCF05	BBCF09	Q10
IDSL3300FD08D32-160	IDSL1600P25-CQA	WOMT080308SL	32	264	301	60	33.00	BBCF05	BBCF09	Q10
IDSL3320FD08D32-160	IDSL1600P25-CQA	WOMT080308SL	32	266	303	60	33.20	BBCF05	BBCF09	Q10
IDSL3335FD08D32-160	IDSL1600P25-CQA	WOMT080308SL	32	267	304	60	33.35	BBCF05	BBCF09	Q10
IDSL3400FD08D32-160	IDSL1600P25-CQA	WOMT080308SL	32	272	309	60	34.00	BBCF05	BBCF09	Q10
IDSL3493FD08D32-180	IDSL1800P25-CQA	WOMT080308SL	32	280	317	60	34.93	BBCF06	BBCF09	Q10
IDSL3500FD08D32-180	IDSL1800P25-CQA	WOMT080308SL	32	281	319	60	35.00	BBCF06	BBCF09	Q10
IDSL3600FD08D32-180	IDSL1800P25-CQA	WOMT080308SL	32	288	326	60	36.00	BBCF06	BBCF09	Q10
IDSL3653FD08D32-190	IDSL1900P25-CQA	WOMT080308SL	32	293	331	60	36.53	BBCF06	BBCF09	Q10
IDSL3700FD08D32-160	IDSL1600P25-CQA	WOMT100308SL	32	296	334	60	37.00	BBCF05	BBCF0A	Q15
IDSL3750FD08D32-160	IDSL1600P25-CQA	WOMT100308SL	32	300	338	60	37.50	BBCF05	BBCF0A	Q15
IDSL3800FD08D32-160	IDSL1600P25-CQA	WOMT100308SL	32	304	344	60	38.00	BBCF05	BBCF0A	Q15
IDSL3810FD08D32-160	IDSL1600P25-CQA	WOMT100308SL	32	305	345	60	38.10	BBCF05	BBCF0A	Q15
IDSL3900FD08D32-180	IDSL1800P25-CQA	WOMT100308SL	32	312	352	60	39.00	BBCF06	BBCF0A	Q15
IDSL3920FD08D32-180	IDSL1800P25-CQA	WOMT100308SL	32	314	354	60	39.20	BBCF06	BBCF0A	Q15
IDSL3970FD08D32-180	IDSL1800P25-CQA	WOMT100308SL	32	318	358	60	39.70	BBCF06	BBCF0A	Q15
IDSL4000FD08D50-180	IDSL1800P25-CQA	WOMT100308SL	50	320	363	70	40.00	BBCF06	BBCF0A	Q15
IDSL4100FD08D50-190	IDSL1900P25-CQA	WOMT100308SL	50	328	371	70	41.00	BBCF06	BBCF0A	Q15
IDSL4128FD08D50-190	IDSL1900P25-CQA	WOMT100308SL	50	331	374	70	41.28	BBCF06	BBCF0A	Q15
IDSL4200FD08D50-190	IDSL1900P25-CQA	WOMT120408SL	50	336	380	70	42.00	BBCF06	BBCF0A	Q15
IDSL4300FD08D50-160	IDSL1600P25-CQA	WOMT120408SL	50	344	388	70	43.00	BBCF05	BBCF0A	Q15
IDSL4400FD08D50-180	IDSL1800P25-CQA	WOMT120408SL	50	352	396	70	44.00	BBCF06	BBCF0A	Q15
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IDSL4500FD08D50-180	IDSL1800P25-CQA	WOMT120408SL	50	360	404	70	45.00	BBCF06	BBCF0A	Q15
IDSL4600FD08D50-190	IDSL1900P25-CQA	WOMT120408SL	50	368	412	70	46.00	BBCF06	BBCF0A	Q15
IDSL4700FD08D50-200	IDSL2000P25-CQA	WOMT120408SL	50	376	420	70	47.00	BBCF06	BBCF0A	Q15
IDSL4763FD08D50-210	IDSL2100P25-CQA	WOMT120408SL	50	382	426	70	47.63	BBCF07	BBCF0A	Q15
IDSL4800FD08D50-210	IDSL2100P25-CQA	WOMT120408SL	50	384	429	70	48.00	BBCF07	BBCF0A	Q15
IDSL4900FD08D50-220	IDSL2200P25-CQA	WOMT120408SL	50	392	437	70	49.00	BBCF07	BBCF0A	Q15
IDSL5000FD08D50-230	IDSL2300P25-CQA	WOMT120408SL	50	400	445	70	50.00	BBCF07	BBCF0A	Q15
IDSL5080FD08D50-240	IDSL2400P25-CQA	WOMT120408SL	50	407	452	70	50.80	BBCF07	BBCF0A	Q15
IDSL5100FD08D50-240	IDSL2400P25-CQA	WOMT120408SL	50	408	453	70	51.00	BBCF07	BBCF0A	Q15
IDSL5200FD08D50-250	IDSL2500P25-CQA	WOMT120408SL	50	416	461	70	52.00	BBCF07	BBCF0A	Q15
IDSL5300FD08D50-260	IDSL2600P25-CQA	WOMT120408SL	50	424	469	70	53.00	BBCF07	BBCF0A	Q15
IDSL5398FD08D50-270	IDSL2700P25-CQA	WOMT120408SL	50	432	477	70	53.98	BBCF07	BBCF0A	Q15
IDSL5400FD08D50-270	IDSL2700P25-CQA	WOMT120408SL	50	433	478	70	54.00	BBCF07	BBCF0A	Q15
IDSL5500FD08D50-280	IDSL2800P25-CQA	WOMT120408SL	50	440	485	70	55.00	BBCF07	BBCF0A	Q15

钻尖Drill Tip → BB0014
刀片Insert → BB0014

可换头钻头 Interchangeable Tip Drill

IDSL 大径钻头自锁式钻体(10D)
Large Diameter Self-locking Drill Body(10D)





Ni HE h7

1.单位：mm
2.所有钻体应使用指定标识刀片
3.刀片单独订购

1.Unit：mm
2.All drill bodies shall use the specified identifying insert.
3.Insert ordered separately.

型号 Specification	钻尖 Drill Tip	刀片 Insert	DCON	LU	LF	LS	DC	扳手 Wrench	螺丝 Screw	刀片扳手 Insert Wrench
IDSL2800FD10D32-140	IDSL1400P25-CQA	AOMT040308SL	32	280	314	60	28.00	BBCF05	BBCF08	Q09
IDSL2858FD10D32-150	IDSL1500P25-CQA	AOMT040308SL	32	286	320	60	28.58	BBCF05	BBCF08	Q09
IDSL2900FD10D32-160	IDSL1600P25-CQA	AOMT040308SL	32	290	324	60	29.00	BBCF05	BBCF08	Q09
IDSL2936FD10D32-160	IDSL1600P25-CQA	AOMT040308SL	32	294	328	60	29.36	BBCF05	BBCF08	Q09
IDSL3000FD10D32-160	IDSL1600P25-CQA	AOMT040308SL	32	300	335	60	30.00	BBCF05	BBCF08	Q09
IDSL3018FD10D32-170	IDSL1700P25-CQA	AOMT040308SL	32	302	337	60	30.18	BBCF06	BBCF08	Q09
IDSL3096FD10D32-170	IDSL1700P25-CQA	AOMT040308SL	32	310	345	60	30.96	BBCF06	BBCF08	Q09
IDSL3100FD10D32-170	IDSL1700P25-CQA	AOMT040308SL	32	311	346	60	31.00	BBCF06	BBCF08	Q09
IDSL3175FD10D32-150	IDSL1500P25-CQA	WOMT080308SL	32	318	355	60	31.75	BBCF05	BBCF09	Q10
IDSL3200FD10D32-150	IDSL1500P25-CQA	WOMT080308SL	32	320	357	60	32.00	BBCF05	BBCF09	Q10
IDSL3300FD10D32-160	IDSL1600P25-CQA	WOMT080308SL	32	330	367	60	33.00	BBCF05	BBCF09	Q10
IDSL3320FD10D32-160	IDSL1600P25-CQA	WOMT080308SL	32	332	369	60	33.20	BBCF05	BBCF09	Q10
IDSL3335FD10D32-160	IDSL1600P25-CQA	WOMT080308SL	32	334	371	60	33.35	BBCF05	BBCF09	Q10
IDSL3400FD10D32-160	IDSL1600P25-CQA	WOMT080308SL	32	340	377	60	34.00	BBCF05	BBCF09	Q10
IDSL3493FD10D32-180	IDSL1800P25-CQA	WOMT080308SL	32	350	387	60	34.93	BBCF06	BBCF09	Q10
IDSL3500FD10D32-180	IDSL1800P25-CQA	WOMT080308SL	32	350	388	60	35.00	BBCF06	BBCF09	Q10
IDSL3600FD10D32-180	IDSL1800P25-CQA	WOMT080308SL	32	360	398	60	36.00	BBCF06	BBCF09	Q10
IDSL3653FD10D32-190	IDSL1900P25-CQA	WOMT080308SL	32	366	404	60	36.53	BBCF06	BBCF09	Q10
IDSL3700FD10D32-160	IDSL1600P25-CQA	WOMT100308SL	32	370	408	60	37.00	BBCF05	BBCF0A	Q15
IDSL3750FD10D32-160	IDSL1600P25-CQA	WOMT100308SL	32	375	413	60	37.50	BBCF05	BBCF0A	Q15
IDSL3800FD10D32-160	IDSL1600P25-CQA	WOMT100308SL	32	380	420	60	38.00	BBCF05	BBCF0A	Q15
IDSL3810FD10D32-160	IDSL1600P25-CQA	WOMT100308SL	32	381	421	60	38.10	BBCF05	BBCF0A	Q15
IDSL3900FD10D32-180	IDSL1800P25-CQA	WOMT100308SL	32	390	430	60	39.00	BBCF06	BBCF0A	Q15
IDSL3920FD10D32-180	IDSL1800P25-CQA	WOMT100308SL	32	392	432	60	39.20	BBCF06	BBCF0A	Q15
IDSL3970FD10D32-180	IDSL1800P25-CQA	WOMT100308SL	32	397	437	60	39.70	BBCF06	BBCF0A	Q15
IDSL4000FD10D50-180	IDSL1800P25-CQA	WOMT100308SL	50	400	443	70	40.00	BBCF06	BBCF0A	Q15
IDSL4100FD10D50-190	IDSL1900P25-CQA	WOMT100308SL	50	410	453	70	41.00	BBCF06	BBCF0A	Q15
IDSL4128FD10D50-190	IDSL1900P25-CQA	WOMT100308SL	50	413	456	70	41.28	BBCF06	BBCF0A	Q15
IDSL4200FD10D50-190	IDSL1900P25-CQA	WOMT120408SL	50	420	464	70	42.00	BBCF06	BBCF0A	Q15
IDSL4300FD10D50-160	IDSL1600P25-CQA	WOMT120408SL	50	430	474	70	43.00	BBCF05	BBCF0A	Q15
IDSL4400FD10D50-180	IDSL1800P25-CQA	WOMT120408SL	50	440	484	70	44.00	BBCF06	BBCF0A	Q15
IDSL4445FD10D50-180	IDSL1800P25-CQA	WOMT120408SL	50	445	489	70	44.45	BBCF06	BBCF0A	Q15
IDSL4500FD10D50-180	IDSL1800P25-CQA	WOMT120408SL	50	450	494	70	45.00	BBCF06	BBCF0A	Q15
IDSL4600FD10D50-190	IDSL1900P25-CQA	WOMT120408SL	50	460	504	70	46.00	BBCF06	BBCF0A	Q15
IDSL4700FD10D50-200	IDSL2000P25-CQA	WOMT120408SL	50	470	514	70	47.00	BBCF06	BBCF0A	Q15
IDSL4763FD10D50-210	IDSL2100P25-CQA	WOMT120408SL	50	477	521	70	47.63	BBCF07	BBCF0A	Q15
IDSL4800FD10D50-210	IDSL2100P25-CQA	WOMT120408SL	50	480	525	70	48.00	BBCF07	BBCF0A	Q15
IDSL4900FD10D50-220	IDSL2200P25-CQ2	WOMT120408SL	50	490	535	70	49.00	BBCF07	BBCF0A	Q15
IDSL5000FD10D50-230	IDSL2300P25-CQ2	WOMT120408SL	50	500	545	70	50.00	BBCF07	BBCF0A	Q15
IDSL5080FD10D50-240	IDSL2400P25-CQ2	WOMT120408SL	50	508	553	70	50.80	BBCF07	BBCF0A	Q15
IDSL5100FD10D50-240	IDSL2400P25-CQ2	WOMT120408SL	50	510	555	70	51.00	BBCF07	BBCF0A	Q15
IDSL5200FD10D50-250	IDSL2500P25-CQ2	WOMT120408SL	50	520	565	70	52.00	BBCF07	BBCF0A	Q15
IDSL5300FD10D50-260	IDSL2600P25-CQA	WOMT120408SL	50	530	575	70	53.00	BBCF07	BBCF0A	Q15
IDSL5398FD10D50-270	IDSL2700P25-CQA	WOMT120408SL	50	540	585	70	53.98	BBCF07	BBCF0A	Q15
IDSL5400FD10D50-270	IDSL2700P25-CQA	WOMT120408SL	50	541	586	70	54.00	BBCF07	BBCF0A	Q15
IDSL5500FD10D50-280	IDSL2800P25-CQA	WOMT120408SL	50	550	595	70	55.00	BBCF07	BBCF0A	Q15

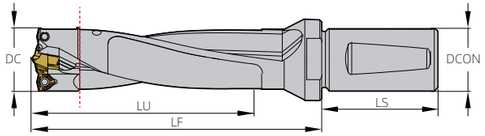
钻尖Drill Tip → BB0014
刀片Insert → BB0014

分体式钻头
Split Drill

可换头钻头 Interchangeable Tip Drill

IDSL 模块式大径钻头自锁式钻体(3D)
Modular Large Diameter Self-locking Drill Body(3D)





1.单位：mm
2.所有钻体应使用指定标识刀片
3.刀片单独订购

1.Unit：mm
2.All drill bodies shall use the specified identifying insert.
3.Insert ordered separately.

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头部模块 Cutting Unit	钻尖 Drill Tip	刀片 Insert	杆部模块 Tube Modular	DC	DCON	LU	LF	LS	接口型号 Interface Code	扳手 Wrench	螺丝 Screw	刀片扳手 Insert Wrench
H3175FD-150	IDSL1500P25-CQA	WOMT080308SL	S31-32-03	31.75	32	112	148	60	IF32	BBCF05	BBCF0B	Q10
H3200FD-150	IDSL1500P25-CQA	WOMT080308SL	S31-32-03	32.00	32	112	148	60	IF32	BBCF05	BBCF0B	Q10
H3300FD-160	IDSL1600P25-CQA	WOMT080308SL	S31-32-03	33.00	32	112	148	60	IF32	BBCF05	BBCF0B	Q10
H3320FD-160	IDSL1600P25-CQA	WOMT080308SL	S31-32-03	33.20	32	112	148	60	IF32	BBCF05	BBCF0B	Q10
H3335FD-160	IDSL1600P25-CQA	WOMT080308SL	S31-32-03	33.35	32	112	148	60	IF32	BBCF05	BBCF0B	Q10
H3400FD-160	IDSL1600P25-CQA	WOMT080308SL	S31-32-03	34.00	32	112	148	60	IF32	BBCF05	BBCF0B	Q10
H3493FD-180	IDSL1800P25-CQA	WOMT080308SL	S31-32-03	34.93	32	112	148	60	IF32	BBCF06	BBCF0B	Q10
H3500FD-180	IDSL1800P25-CQA	WOMT080308SL	S34-32-03	35.00	32	122	160	60	IF32	BBCF06	BBCF0B	Q10
H3600FD-180	IDSL1800P25-CQA	WOMT080308SL	S34-32-03	36.00	32	122	160	60	IF32	BBCF06	BBCF0B	Q10
H3653FD-190	IDSL1900P25-CQA	WOMT080308SL	S34-32-03	36.53	32	122	160	60	IF32	BBCF06	BBCF0B	Q10
H3700FD-160	IDSL1600P25-CQA	WOMT100308SL	S34-32-03	37.00	32	122	160	60	IF32	BBCF05	BBCF0C	Q15
H3750FD-160	IDSL1600P25-CQA	WOMT100308SL	S34-32-03	37.50	32	122	160	60	IF32	BBCF05	BBCF0C	Q15
H3800FD-160	IDSL1600P25-CQA	WOMT100308SL	S37-32-03	38.00	32	125	165	60	IF38	BBCF05	BBCF0C	Q15
H3810FD-160	IDSL1600P25-CQA	WOMT100308SL	S37-32-03	38.10	32	125	165	60	IF38	BBCF05	BBCF0C	Q15
H3900FD-180	IDSL1800P25-CQA	WOMT100308SL	S37-32-03	39.00	32	125	165	60	IF38	BBCF06	BBCF0C	Q15
H3920FD-180	IDSL1800P25-CQA	WOMT100308SL	S37-32-03	39.20	32	125	165	60	IF38	BBCF06	BBCF0C	Q15
H3970FD-180	IDSL1800P25-CQA	WOMT100308SL	S37-32-03	39.70	32	125	165	60	IF38	BBCF06	BBCF0C	Q15
H4000FD-180	IDSL1800P25-CQA	WOMT100308SL	S39-50-03	40.00	50	135	180	70	IF38	BBCF06	BBCF0C	Q15
H4100FD-190	IDSL1900P25-CQA	WOMT100308SL	S39-50-03	41.00	50	135	180	70	IF38	BBCF06	BBCF0C	Q15
H4128FD-190	IDSL1900P25-CQA	WOMT100308SL	S39-50-03	41.28	50	135	180	70	IF38	BBCF06	BBCF0C	Q15
H4200FD-190	IDSL1900P25-CQA	WOMT120408SL	S41-50-03	42.00	50	140	185	70	IF42	BBCF06	BBCF0C	Q15
H4300FD-160	IDSL1600P25-CQA	WOMT120408SL	S41-50-03	43.00	50	140	185	70	IF42	BBCF05	BBCF0C	Q15
H4400FD-180	IDSL1800P25-CQA	WOMT120408SL	S41-50-03	44.00	50	140	185	70	IF42	BBCF06	BBCF0C	Q15
H4445FD-180	IDSL1800P25-CQA	WOMT120408SL	S41-50-03	44.45	50	140	185	70	IF42	BBCF06	BBCF0C	Q15
H4500FD-180	IDSL1800P25-CQA	WOMT120408SL	S44-50-03	45.00	50	150	195	70	IF42	BBCF06	BBCF0C	Q15
H4600FD-190	IDSL1900P25-CQA	WOMT120408SL	S44-50-03	46.00	50	150	195	70	IF42	BBCF06	BBCF0C	Q15
H4700FD-200	IDSL2000P25-CQA	WOMT120408SL	S44-50-03	47.00	50	150	195	70	IF42	BBCF06	BBCF0C	Q15
H4763FD-210	IDSL2100P25-CQA	WOMT120408SL	S44-50-03	47.63	50	150	195	70	IF42	BBCF07	BBCF0C	Q15
H4800FD-210	IDSL2100P25-CQA	WOMT120408SL	S47-50-03	48.00	50	160	200	70	IF48	BBCF07	BBCF0C	Q15
H4900FD-220	IDSL2200P25-CQA	WOMT120408SL	S47-50-03	49.00	50	160	200	70	IF48	BBCF07	BBCF0C	Q15
H5000FD-230	IDSL2300P25-CQA	WOMT120408SL	S47-50-03	50.00	50	160	200	70	IF48	BBCF07	BBCF0C	Q15
H5080FD-240	IDSL2400P25-CQA	WOMT120408SL	S50-50-03	50.80	50	170	210	70	IF48	BBCF07	BBCF0C	Q15
H5100FD-240	IDSL2400P25-CQA	WOMT120408SL	S50-50-03	51.00	50	170	210	70	IF48	BBCF07	BBCF0C	Q15
H5200FD-250	IDSL2500P25-CQA	WOMT120408SL	S50-50-03	52.00	50	170	210	70	IF48	BBCF07	BBCF0C	Q15
H5300FD-260	IDSL2600P25-CQA	WOMT120408SL	S50-50-03	53.00	50	170	210	70	IF48	BBCF07	BBCF0C	Q15
H5398FD-270	IDSL2700P25-CQA	WOMT120408SL	S53-50-03	53.98	50	175	215	70	IF48	BBCF07	BBCF0C	Q15
H5400FD-270	IDSL2700P25-CQA	WOMT120408SL	S53-50-03	54.00	50	175	215	70	IF48	BBCF07	BBCF0C	Q15
H5500FD-280	IDSL2800P25-CQA	WOMT120408SL	S53-50-03	55.00	50	175	215	70	IF48	BBCF07	BBCF0C	Q15

自锁模块式钻体命名规则
Self-locking Module Drill Body Nomenclature

模块头直径 Module Head Diameter			中心钻直径 Center Drill Diameter			模块钻杆直径 Module Drill Holder Diameter		模块钻杆柄径 Shank Diameter Of Modular Drill Holder		倍径 Times	
H	3	1	7	5	F	D	1	5	0	S	3	1	3	2	0	3

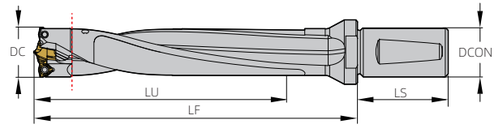
钻尖Drill Tip → BB0014
刀片Insert → BB0014

分体式钻头
Split Drill

可换头钻头 Interchangeable Tip Drill

IDSL 模块式大径钻头自锁式钻体(5D)
Modular Large Diameter Self-locking Drill Body(5D)





1.单位：mm
2.所有钻体应使用指定标识刀片
3.刀片单独订购

1.Unit：mm
2.All drill bodies shall use the specified identifying insert.
3.Insert ordered separately.

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头部模块 Cutting Unit	钻尖 Drill Tip	刀片 Insert	杆部模块 Tube Modular	DC	DCON	LU	LF	LS	接口型号 Interface Code	扳手 Wrench	螺丝 Screw	刀片扳手 Insert Wrench
H3175FD-150	IDSL1500P25-CQA	WOMT080308SL	S31-32-05	31.75	32	177	212	60	IF32	BBCF05	BBCF0B	Q10
H3200FD-150	IDSL1500P25-CQA	WOMT080308SL	S31-32-05	32.00	32	177	212	60	IF32	BBCF05	BBCF0B	Q10
H3300FD-160	IDSL1600P25-CQA	WOMT080308SL	S31-32-05	33.00	32	177	212	60	IF32	BBCF05	BBCF0B	Q10
H3320FD-160	IDSL1600P25-CQA	WOMT080308SL	S31-32-05	33.20	32	177	212	60	IF32	BBCF05	BBCF0B	Q10
H3335FD-160	IDSL1600P25-CQA	WOMT080308SL	S31-32-05	33.35	32	177	212	60	IF32	BBCF05	BBCF0B	Q10
H3400FD-160	IDSL1600P25-CQA	WOMT080308SL	S31-32-05	34.00	32	177	212	60	IF32	BBCF05	BBCF0B	Q10
H3493FD-180	IDSL1800P25-CQA	WOMT080308SL	S31-32-05	34.93	32	177	212	60	IF32	BBCF06	BBCF0B	Q10
H3500FD-180	IDSL1800P25-CQA	WOMT080308SL	S34-32-05	35.00	32	192	230	60	IF32	BBCF06	BBCF0B	Q10
H3600FD-180	IDSL1800P25-CQA	WOMT080308SL	S34-32-05	36.00	32	192	230	60	IF32	BBCF06	BBCF0B	Q10
H3653FD-190	IDSL1900P25-CQA	WOMT080308SL	S34-32-05	36.53	32	192	230	60	IF32	BBCF06	BBCF0B	Q10
H3700FD-160	IDSL1600P25-CQA	WOMT100308SL	S34-32-05	37.00	32	192	230	60	IF32	BBCF05	BBCF0C	Q15
H3750FD-160	IDSL1600P25-CQA	WOMT100308SL	S34-32-05	37.50	32	192	230	60	IF32	BBCF05	BBCF0C	Q15
H3800FD-160	IDSL1600P25-CQA	WOMT100308SL	S37-32-05	38.00	32	215	245	60	IF38	BBCF05	BBCF0C	Q15
H3810FD-160	IDSL1600P25-CQA	WOMT100308SL	S37-32-05	38.10	32	215	245	60	IF38	BBCF05	BBCF0C	Q15
H3900FD-180	IDSL1800P25-CQA	WOMT100308SL	S37-32-05	39.00	32	215	245	60	IF38	BBCF06	BBCF0C	Q15
H3920FD-180	IDSL1800P25-CQA	WOMT100308SL	S37-32-05	39.20	32	215	245	60	IF38	BBCF06	BBCF0C	Q15
H3970FD-180	IDSL1800P25-CQA	WOMT100308SL	S37-32-05	39.70	32	215	245	60	IF38	BBCF06	BBCF0C	Q15
H4000FD-180	IDSL1800P25-CQA	WOMT100308SL	S39-50-05	40.00	50	220	265	70	IF38	BBCF06	BBCF0C	Q15
H4100FD-190	IDSL1900P25-CQA	WOMT100308SL	S39-50-05	41.00	50	220	265	70	IF38	BBCF06	BBCF0C	Q15
H4128FD-190	IDSL1900P25-CQA	WOMT100308SL	S39-50-05	41.28	50	220	265	70	IF38	BBCF06	BBCF0C	Q15
H4200FD-190	IDSL1900P25-CQA	WOMT120408SL	S41-50-05	42.00	50	230	277	70	IF42	BBCF06	BBCF0C	Q15
H4300FD-160	IDSL1600P25-CQA	WOMT120408SL	S41-50-05	43.00	50	230	277	70	IF42	BBCF05	BBCF0C	Q15
H4400FD-180	IDSL1800P25-CQA	WOMT120408SL	S41-50-05	44.00	50	230	277	70	IF42	BBCF06	BBCF0C	Q15
H4445FD-180	IDSL1800P25-CQA	WOMT120408SL	S41-50-05	44.45	50	230	277	70	IF42	BBCF06	BBCF0C	Q15
H4500FD-180	IDSL1800P25-CQA	WOMT120408SL	S44-50-05	45.00	50	245	285	70	IF42	BBCF06	BBCF0C	Q15
H4600FD-190	IDSL1900P25-CQA	WOMT120408SL	S44-50-05	46.00	50	245	285	70	IF42	BBCF06	BBCF0C	Q15
H4700FD-200	IDSL2000P25-CQA	WOMT120408SL	S44-50-05	47.00	50	245	285	70	IF42	BBCF06	BBCF0C	Q15
H4763FD-210	IDSL2100P25-CQA	WOMT120408SL	S44-50-05	47.63	50	245	285	70	IF42	BBCF07	BBCF0C	Q15
H4800FD-210	IDSL2100P25-CQA	WOMT120408SL	S47-50-05	48.00	50	260	305	70	IF48	BBCF07	BBCF0C	Q15
H4900FD-220	IDSL2200P25-CQA	WOMT120408SL	S47-50-05	49.00	50	260	305	70	IF48	BBCF07	BBCF0C	Q15
H5000FD-230	IDSL2300P25-CQA	WOMT120408SL	S47-50-05	50.00	50	260	305	70	IF48	BBCF07	BBCF0C	Q15
H5080FD-240	IDSL2400P25-CQA	WOMT120408SL	S50-50-05	50.80	50	275	315	70	IF48	BBCF07	BBCF0C	Q15
H5100FD-240	IDSL2400P25-CQA	WOMT120408SL	S50-50-05	51.00	50	275	315	70	IF48	BBCF07	BBCF0C	Q15
H5200FD-250	IDSL2500P25-CQA	WOMT120408SL	S50-50-05	52.00	50	275	315	70	IF48	BBCF07	BBCF0C	Q15
H5300FD-260	IDSL2600P25-CQA	WOMT120408SL	S50-50-05	53.00	50	275	315	70	IF48	BBCF07	BBCF0C	Q15
H5398FD-270	IDSL2700P25-CQA	WOMT120408SL	S53-50-05	53.98	50	280	320	70	IF48	BBCF07	BBCF0C	Q15
H5400FD-270	IDSL2700P25-CQA	WOMT120408SL	S53-50-05	54.00	50	280	320	70	IF48	BBCF07	BBCF0C	Q15
H5500FD-280	IDSL2800P25-CQA	WOMT120408SL	S53-50-05	55.00	50	280	320	70	IF48	BBCF07	BBCF0C	Q15

自锁模块式钻体命名规则
Self-locking Module Drill Body Nomenclature

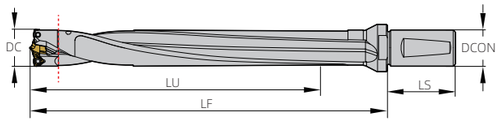
模块头直径 Module Head Diameter			中心钻直径 Center Drill Diameter			模块钻杆直径 Module Drill Holder Diameter		模块钻杆柄径 Shank Diameter Of Modular Drill Holder		倍径 Times	
H	3	1	7	5	F	D	1	5	0	S	3	1	3	2	0	3

钻尖Drill Tip → BB0014
刀片Insert → BB0014

可换头钻头 Interchangeable Tip Drill

IDSL 模块式大径钻头自锁式钻体(8D)
Modular Large Diameter Self-locking Drill Body(8D)





Ni HE h7

1.单位：mm
2.所有钻体应使用指定标识刀片
3.刀片单独订购

1.Unit：mm
2.All drill bodies shall use the specified identifying insert.
3.Insert ordered separately.

头部模块 Cutting Unit	钻尖 Drill Tip	刀片 Insert	杆部模块 Tube Modular	DC	DCON	LU	LF	LS	接口型号 Interface Code	扳手 Wrench	螺丝 Screw	刀片扳手 Insert Wrench
H3175FD-150	IDSL1500P25-CQA	WOMT080308SL	S31-32-08	31.75	32	279	314	60	IF32	BBCF05	BBCF0B	Q10
H3200FD-150	IDSL1500P25-CQA	WOMT080308SL	S31-32-08	32.00	32	279	314	60	IF32	BBCF05	BBCF0B	Q10
H3300FD-160	IDSL1600P25-CQA	WOMT080308SL	S31-32-08	33.00	32	279	314	60	IF32	BBCF05	BBCF0B	Q10
H3320FD-160	IDSL1600P25-CQA	WOMT080308SL	S31-32-08	33.20	32	279	314	60	IF32	BBCF05	BBCF0B	Q10
H3335FD-160	IDSL1600P25-CQA	WOMT080308SL	S31-32-08	33.35	32	279	314	60	IF32	BBCF05	BBCF0B	Q10
H3400FD-160	IDSL1600P25-CQA	WOMT080308SL	S31-32-08	34.00	32	279	314	60	IF32	BBCF05	BBCF0B	Q10
H3493FD-180	IDSL1800P25-CQA	WOMT080308SL	S31-32-08	34.93	32	279	314	60	IF32	BBCF06	BBCF0B	Q10
H3500FD-180	IDSL1800P25-CQA	WOMT080308SL	S34-32-08	35.00	32	312	348	60	IF32	BBCF06	BBCF0B	Q10
H3600FD-180	IDSL1800P25-CQA	WOMT080308SL	S34-32-08	36.00	32	312	348	60	IF32	BBCF06	BBCF0B	Q10
H3653FD-190	IDSL1900P25-CQA	WOMT080308SL	S34-32-08	36.53	32	312	348	60	IF32	BBCF06	BBCF0B	Q10
H3700FD-160	IDSL1600P25-CQA	WOMT100308SL	S34-32-08	37.00	32	312	348	60	IF32	BBCF05	BBCF0C	Q15
H3750FD-160	IDSL1600P25-CQA	WOMT100308SL	S34-32-08	37.50	32	312	348	60	IF32	BBCF05	BBCF0C	Q15
H3800FD-160	IDSL1600P25-CQA	WOMT100308SL	S37-32-08	38.00	32	335	366	60	IF38	BBCF05	BBCF0C	Q15
H3810FD-160	IDSL1600P25-CQA	WOMT100308SL	S37-32-08	38.10	32	335	366	60	IF38	BBCF05	BBCF0C	Q15
H3900FD-180	IDSL1800P25-CQA	WOMT100308SL	S37-32-08	39.00	32	335	366	60	IF38	BBCF06	BBCF0C	Q15
H3920FD-180	IDSL1800P25-CQA	WOMT100308SL	S37-32-08	39.20	32	335	366	60	IF38	BBCF06	BBCF0C	Q15
H3970FD-180	IDSL1800P25-CQA	WOMT100308SL	S37-32-08	39.70	32	335	366	60	IF38	BBCF06	BBCF0C	Q15
H4000FD-180	IDSL1800P25-CQA	WOMT100308SL	S39-50-08	40.00	50	345	395	70	IF38	BBCF06	BBCF0C	Q15
H4100FD-190	IDSL1900P25-CQA	WOMT100308SL	S39-50-08	41.00	50	345	395	70	IF38	BBCF06	BBCF0C	Q15
H4128FD-190	IDSL1900P25-CQA	WOMT100308SL	S39-50-08	41.28	50	345	395	70	IF38	BBCF06	BBCF0C	Q15
H4200FD-190	IDSL1900P25-CQA	WOMT120408SL	S41-50-08	42.00	50	365	405	70	IF42	BBCF06	BBCF0C	Q15
H4300FD-160	IDSL1600P25-CQA	WOMT120408SL	S41-50-08	43.00	50	365	405	70	IF42	BBCF05	BBCF0C	Q15
H4400FD-180	IDSL1800P25-CQA	WOMT120408SL	S41-50-08	44.00	50	365	405	70	IF42	BBCF06	BBCF0C	Q15
H4445FD-180	IDSL1800P25-CQA	WOMT120408SL	S41-50-08	44.45	50	365	405	70	IF42	BBCF06	BBCF0C	Q15
H4500FD-180	IDSL1800P25-CQA	WOMT120408SL	S44-50-08	45.00	50	390	435	70	IF42	BBCF06	BBCF0C	Q15
H4600FD-190	IDSL1900P25-CQA	WOMT120408SL	S44-50-08	46.00	50	390	435	70	IF42	BBCF06	BBCF0C	Q15
H4700FD-200	IDSL2000P25-CQA	WOMT120408SL	S44-50-08	47.00	50	390	435	70	IF42	BBCF06	BBCF0C	Q15
H4763FD-210	IDSL2100P25-CQA	WOMT120408SL	S44-50-08	47.63	50	390	435	70	IF42	BBCF07	BBCF0C	Q15
H4800FD-210	IDSL2100P25-CQA	WOMT120408SL	S47-50-08	48.00	50	410	450	70	IF48	BBCF07	BBCF0C	Q15
H4900FD-220	IDSL2200P25-CQA	WOMT120408SL	S47-50-08	49.00	50	410	450	70	IF48	BBCF07	BBCF0C	Q15
H5000FD-230	IDSL2300P25-CQA	WOMT120408SL	S47-50-08	50.00	50	410	450	70	IF48	BBCF07	BBCF0C	Q15
H5080FD-240	IDSL2400P25-CQA	WOMT120408SL	S50-50-08	50.80	50	425	465	70	IF48	BBCF07	BBCF0C	Q15
H5100FD-240	IDSL2400P25-CQA	WOMT120408SL	S50-50-08	51.00	50	425	465	70	IF48	BBCF07	BBCF0C	Q15
H5200FD-250	IDSL2500P25-CQA	WOMT120408SL	S50-50-08	52.00	50	425	465	70	IF48	BBCF07	BBCF0C	Q15
H5300FD-260	IDSL2600P25-CQA	WOMT120408SL	S50-50-08	53.00	50	425	465	70	IF48	BBCF07	BBCF0C	Q15
H5398FD-270	IDSL2700P25-CQA	WOMT120408SL	S53-50-08	53.98	50	440	480	70	IF48	BBCF07	BBCF0C	Q15
H5400FD-270	IDSL2700P25-CQA	WOMT120408SL	S53-50-08	54.00	50	440	480	70	IF48	BBCF07	BBCF0C	Q15
H5500FD-280	IDSL2800P25-CQA	WOMT120408SL	S53-50-08	55.00	50	440	480	70	IF48	BBCF07	BBCF0C	Q15

自锁模块式钻体命名规则
Self-locking Module Drill Body Nomenclature

模块头直径 Module Head Diameter			中心钻直径 Center Drill Diameter			模块钻杆直径 Module Drill Holder Diameter		模块钻杆柄径 Shank Diameter Of Modular Drill Holder		倍径 Times	
H	3	1	7	5	F	D	1	5	0	S	3	1	3	2	0	3

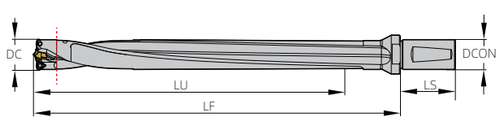
钻尖Drill Tip → BB0014
刀片Insert → BB0014

TORKOOL

可换头钻头 Interchangeable Tip Drill

IDSL 模块式大径钻头自锁式钻体(10D)
Modular Large Diameter Self-locking Drill Body(10D)





Ni HE h7

1.单位：mm
2.所有钻体应使用指定标识刀片
3.刀片单独订购

1.Unit：mm
2.All drill bodies shall use the specified identifying insert.
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头部模块 Cutting Unit	钻尖 Drill Tip	刀片 Insert	杆部模块 Tube Modular	DC	DCON	LU	LF	LS	接口型号 Interface Code	扳手 Wrench	螺丝 Screw	刀片扳手 Insert Wrench
H3175FD-150	IDSL1500P25-CQA	WOMT080308SL	S31-32-10	31.75	32	349	384	60	IF32	BBCF05	BBCF0B	Q10
H3200FD-150	IDSL1500P25-CQA	WOMT080308SL	S31-32-10	32.00	32	349	384	60	IF32	BBCF05	BBCF0B	Q10
H3300FD-160	IDSL1600P25-CQA	WOMT080308SL	S31-32-10	33.00	32	349	384	60	IF32	BBCF05	BBCF0B	Q10
H3320FD-160	IDSL1600P25-CQA	WOMT080308SL	S31-32-10	33.20	32	349	384	60	IF32	BBCF05	BBCF0B	Q10
H3335FD-160	IDSL1600P25-CQA	WOMT080308SL	S31-32-10	33.35	32	349	384	60	IF32	BBCF05	BBCF0B	Q10
H3400FD-160	IDSL1600P25-CQA	WOMT080308SL	S31-32-10	34.00	32	349	384	60	IF32	BBCF05	BBCF0B	Q10
H3493FD-180	IDSL1800P25-CQA	WOMT080308SL	S31-32-10	34.93	32	349	384	60	IF32	BBCF06	BBCF0B	Q10
H3500FD-180	IDSL1800P25-CQA	WOMT080308SL	S34-32-10	35.00	32	382	418	60	IF32	BBCF06	BBCF0B	Q10
H3600FD-180	IDSL1800P25-CQA	WOMT080308SL	S34-32-10	36.00	32	382	418	60	IF32	BBCF06	BBCF0B	Q10
H3653FD-190	IDSL1900P25-CQA	WOMT080308SL	S34-32-10	36.53	32	382	418	60	IF32	BBCF06	BBCF0B	Q10
H3700FD-160	IDSL1600P25-CQA	WOMT100308SL	S34-32-10	37.00	32	382	418	60	IF32	BBCF05	BBCF0C	Q15
H3750FD-160	IDSL1600P25-CQA	WOMT100308SL	S34-32-10	37.50	32	382	418	60	IF32	BBCF05	BBCF0C	Q15
H3800FD-160	IDSL1600P25-CQA	WOMT100308SL	S37-32-10	38.00	32	412	443	60	IF38	BBCF05	BBCF0C	Q15
H3810FD-160	IDSL1600P25-CQA	WOMT100308SL	S37-32-10	38.10	32	412	443	60	IF38	BBCF05	BBCF0C	Q15
H3900FD-180	IDSL1800P25-CQA	WOMT100308SL	S37-32-10	39.00	32	412	443	60	IF38	BBCF06	BBCF0C	Q15
H3920FD-180	IDSL1800P25-CQA	WOMT100308SL	S37-32-10	39.20	32	412	443	60	IF38	BBCF06	BBCF0C	Q15
H3970FD-180	IDSL1800P25-CQA	WOMT100308SL	S37-32-10	39.70	32	412	443	60	IF38	BBCF06	BBCF0C	Q15
H4000FD-180	IDSL1800P25-CQA	WOMT100308SL	S39-50-10	40.00	50	425	480	70	IF38	BBCF06	BBCF0C	Q15
H4100FD-190	IDSL1900P25-CQA	WOMT100308SL	S39-50-10	41.00	50	425	480	70	IF38	BBCF06	BBCF0C	Q15
H4128FD-190	IDSL1900P25-CQA	WOMT100308SL	S39-50-10	41.28	50	425	480	70	IF38	BBCF06	BBCF0C	Q15
H4200FD-190	IDSL1900P25-CQA	WOMT120408SL	S41-50-10	42.00	50	455	500	70	IF42	BBCF06	BBCF0C	Q15
H4300FD-160	IDSL1600P25-CQA	WOMT120408SL	S41-50-10	43.00	50	455	500	70	IF42	BBCF05	BBCF0C	Q15
H4400FD-180	IDSL1800P25-CQA	WOMT120408SL	S41-50-10	44.00	50	455	500	70	IF42	BBCF06	BBCF0C	Q15
H4445FD-180	IDSL1800P25-CQA	WOMT120408SL	S41-50-10	44.45	50	455	500	70	IF42	BBCF06	BBCF0C	Q15
H4500FD-180	IDSL1800P25-CQA	WOMT120408SL	S44-50-10	45.00	50	485	530	70	IF42	BBCF06	BBCF0C	Q15
H4600FD-190	IDSL1900P25-CQA	WOMT120408SL	S44-50-10	46.00	50	485	530	70	IF42	BBCF06	BBCF0C	Q15
H4700FD-200	IDSL2000P25-CQA	WOMT120408SL	S44-50-10	47.00	50	485	530	70	IF42	BBCF06	BBCF0C	Q15
H4763FD-210	IDSL2100P25-CQA	WOMT120408SL	S44-50-10	47.63	50	485	530	70	IF42	BBCF07	BBCF0C	Q15
H4800FD-210	IDSL2100P25-CQA	WOMT120408SL	S47-50-10	48.00	50	510	550	70	IF48	BBCF07	BBCF0C	Q15
H4900FD-220	IDSL2200P25-CQA	WOMT120408SL	S47-50-10	49.00	50	510	550	70	IF48	BBCF07	BBCF0C	Q15
H5000FD-230	IDSL2300P25-CQA	WOMT120408SL	S47-50-10	50.00	50	510	550	70	IF48	BBCF07	BBCF0C	Q15
H5080FD-240	IDSL2400P25-CQA	WOMT120408SL	S50-50-10	50.80	50	530	570	70	IF48	BBCF07	BBCF0C	Q15
H5100FD-240	IDSL2400P25-CQA	WOMT120408SL	S50-50-10	51.00	50	530	570	70	IF48	BBCF07	BBCF0C	Q15
H5200FD-250	IDSL2500P25-CQA	WOMT120408SL	S50-50-10	52.00	50	530	570	70	IF48	BBCF07	BBCF0C	Q15
H5300FD-260	IDSL2600P25-CQA	WOMT120408SL	S50-50-10	53.00	50	530	570	70	IF48	BBCF07	BBCF0C	Q15
H5398FD-270	IDSL2700P25-CQA	WOMT120408SL	S53-50-10	53.98	50	550	590	70	IF48	BBCF07	BBCF0C	Q15
H5400FD-270	IDSL2700P25-CQA	WOMT120408SL	S53-50-10	54.00	50	550	590	70	IF48	BBCF07	BBCF0C	Q15
H5500FD-280	IDSL2800P25-CQA	WOMT120408SL	S53-50-10	55.00	50	550	590	70	IF48	BBCF07	BBCF0C	Q15

自锁模块式钻体命名规则
Self-locking Module Drill Body Nomenclature

模块头直径 Module Head Diameter			中心钻直径 Center Drill Diameter			模块钻杆直径 Module Drill Holder Diameter		模块钻杆柄径 Shank Diameter Of Modular Drill Holder		倍径 Times	
H	3	1	7	5	F	D	1	5	0	S	3	1	3	2	0	3

钻尖Drill Tip → BB0014
刀片Insert → BB0014

分体式钻头
Split Drill

可换头钻头 Interchangeable Tip Drill

IDSL 推荐切削参数
Recommended machining parameters

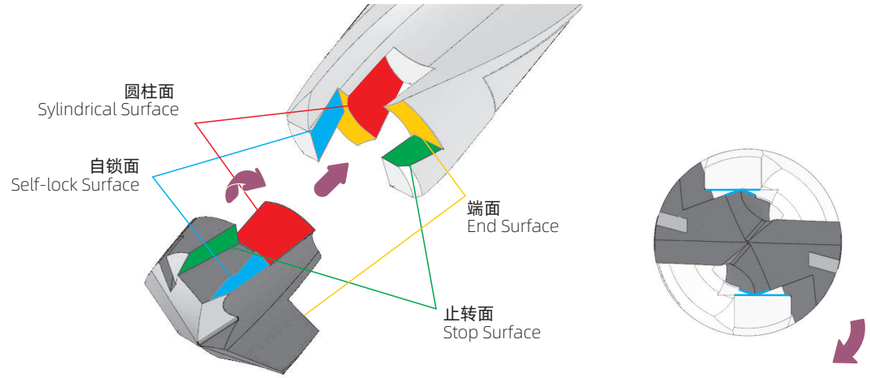
ISO	被加工材料 Workpiece Materials	条件 Heat Treatment	拉伸力 (N/mm2) Drawing Force	布式硬度 (HB) Hardness	切削速度 Vc(m/min) Cutting Speed	进给(mm/rev) Feed Rate(mm/rev)					
						D<10	D= 10-11.9	D= 12~13.9	D= 14~15.9	D= 16~19.9	D= 20~25.9
P	非合金钢 unalloy steel <0.25% C	退火 annealed	420	125	80~140						
	非合金钢 unalloy steel >=0.25% C	退火 annealed	650	190	80~130	0.12	0.15	0.18	0.20	0.25	0.25
	铸铁 cast iron <0.55% C	退火和调质 annealing and tempering	850	250	80~120	0.17	0.21	0.24	0.27	0.35	0.35
	易切削钢 free cutting steel >=0.55% C	退火 annealed	750	220	70~110	0.22	0.28	0.30	0.35	0.45	0.45
		退火和调质 annealing and tempering	1000	300	50~90						
	低碳合金钢, low carbon steel	退火 annealed	600	200	70~120	0.12	0.14	0.16	0.18	0.23	0.25
		退火和调质 annealing and tempering	930	275	70~110	0.18	0.21	0.24	0.26	0.31	0.35
	铸钢(合金成分低于5%) cast iron(alloy compostion<5%)		1000	300	50~90	0.25	0.28	0.32	0.35	0.40	0.45
			1200	350	40~70						
	高合金钢,铸钢 high alloy steel,cast iron	退火 annealed	680	200	50~90	0.12	0.12	0.15	0.18	0.20	0.22
	工具钢 tool steel	退火和调质 annealing and tempering	1100	325	40~80	0.16	0.17	0.20	0.23	0.25	0.27
M	不锈钢,铸钢 stainless steel cast iron	铁素体/马氏体 ferritic/martensite	680	200	40~70	0.20	0.22	0.25	0.28	0.30	0.33
		马氏体 martensite	820	240	40~70	0.10	0.12	0.14	0.16	0.16	0.18
		奥氏体 austenitic	600	180	30~70	0.12	0.15	0.17	0.20	0.21	0.24
K	灰铸铁(GG) gray cast iron	铁素体 ferritic		160	90~160						
		珠光体 pearlitic		250	80~140	0.15	0.18	0.20	0.24	0.26	0.30
	球墨铸铁(GGG) nodular SG iron	铁素体 ferritic		180	90~180	0.15	0.20	0.25	0.30	0.35	0.35
		珠光体 pearlitic		260	80~140	0.22	0.27	0.32	0.37	0.45	0.37
	可锻铸铁 malleable cast iron	铁素体 ferritic		130	90~160	0.30	0.35	0.40	0.45	0.55	0.60
		珠光体 pearlitic		230	80~140						
N	锻铝合金 cast aluminium alloy	未固化 unsolidification		60	90~220						
		固化 solidification		100	90~220						
	铸铝合金 cast aluminium alloy <=12% Si	未固化 unsolidification		75	90~220	0.20	0.25	0.30	0.35	0.40	0.45
		固化 solidification		90	90~220	0.27	0.32	0.37	0.42	0.50	0.57
	>12% Si	高温处理 high temperature treatment		130	80~160	0.35	0.40	0.45	0.50	0.60	0.70
	铜合金 copper alloy >1% Pb	易切 free cutting		110	90~220						
		黄铜 copper		90	90~220						
		电解铜 cathode copper		100	90~220						
	非铁金属 non-metallic material	塑料纤维 plastic fiber									
		硬橡胶 hard rubber									
S	高温合金 high temperature alloys 铁基 iron-base	退火 annealed			30~60	0.06	0.08	0.10	0.12	0.12	0.14
		固化 solidification		200	20~50	0.08	0.10	0.12	0.15	0.16	0.18
	镍基或 nickelbase	退火 annealed		280	20~50	0.11	0.13	0.15	0.18	0.20	0.22
		固化 solidification		250	20~50	0.06	0.08	0.10	0.12	0.14	0.16
	钴基 cobolt base	Cast		350	20~50	0.09	0.11	0.14	0.16	0.18	0.20
	钛,钛合金 titanium,titanium alloys		Rm400	320	20~50	0.12	0.15	0.18	0.20	0.22	0.25
		α+β合金固化 α+β alloys	RM1050		20~50	0.06	0.08	0.10	0.12	0.14	0.16
H	高硬钢 hard steel	淬硬 harden		55HRC	20~50	0.09	0.11	0.14	0.16	0.18	0.20
		淬硬 harden		60HRC	20~50	0.12	0.15	0.18	0.20	0.22	0.25
	冷硬铸铁 chilled cast iron	铸造 cast		400							
	铸铁 cast iron	淬硬 harden		55HRC							

■如果选用超过8倍径的刀体长度请降低切削速度和进给率。
■Lower cutting speed and feed rate should be used for tool holders of 8D.

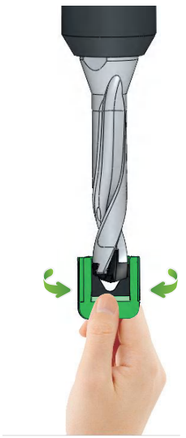
分体式钻头
Split Drill

可换头钻头 Interchangeable Tip Drill

IDSL 自锁式装卸方式
Self-Locking Assemble Disassemble Type



IDSL 可快速更换刀头
Quick-change Drill Tip



无需从机床取下刀体，可方便快捷地在机床上更换钻尖。
The drill tip can be changed in the machine tool,
No need to take the toolholder out from the spindle

IDSL 完美的抛光刀体
Perfect Polished Body

抛光刀体排屑槽，使切屑更容易排出。
Drill body flutes are polished to let chips evacuate easily.

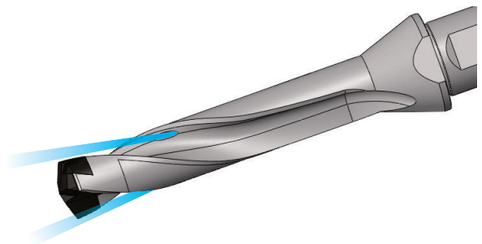


可换头钻头 Interchangeable Tip Drill

IDSL 带内冷却水孔的刀体 Body With Coolant

带内冷却孔的设计，使钻尖钻削时冷却更充分，钻尖寿命更长,切屑更容易排出。

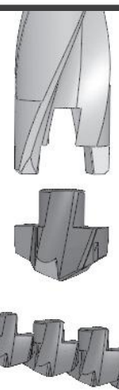
The design with internal cooling holes allows the drill tip to cooling more thoroughly during drilling, resulting in a longer lifespan for the drill tip and easier removal the chips.

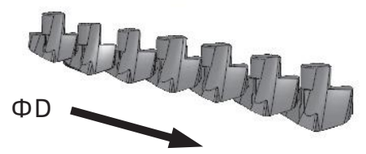


IDSL 高互换性，管理更柔性 Interchangeability And Flexibility

同一刀体可装不同尺寸刀头，可减少刀体数量，刀头与刀体完全互换。

The same drill body can installed different size of drill tips, reducing the number of drill body using. The drill tip and drill body can be completely interchangeable.



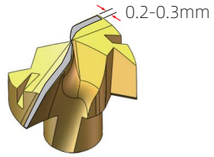


最小：ϕD+0.0
Min:0.0

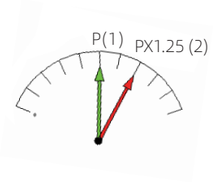
最大：ϕD+0.9
Max:0.9

可换头钻头 Interchangeable Tip Drill

IDSL 更换新钻尖的判断标准 Judgment criteria for replacing the new drill tip



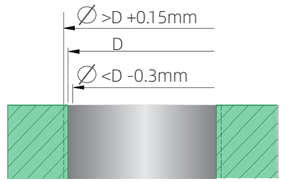
a) 磨损极限
Wear Limit



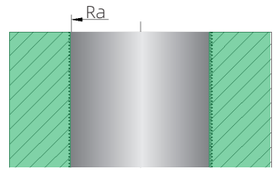
b) 功耗
Power Restriction

(1) 新钻尖=P(1)
New Drill Tip=P(1)

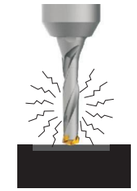
(2) 磨损钻尖=PX*1.25(2)
Worn Drill Tip=PX*1.25(2)



c) 孔径变化大
Diameter Change

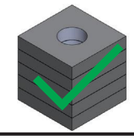


d) 光洁度急剧变差
Surface Finish Deterioration



e) 振动噪音急剧上升
Vibration Noise
Drastically Increases

IDSL 应用 Application

推荐应用 Application Recommendationed	工件形状 Workpiece Shape	不推荐应用 Application Not Recommendationed	工件形状 Workpiece Shape
平面孔 推荐 Flat Face Hole Recommended		重叠孔 禁用 Over lapped Hole Not Recommended	
叠板孔 重叠加固可用 Overlapped Plane Hole Recommended(absolutely don't move between plates)		斜面孔 禁用 Inclined Plane Hole Not Recommended	
曲面孔 减少进给量一半可用 Curved Face Hole Recommended(reduce a half of feed reduce rate tate as narmal)		半边孔 禁用 Half-sided Hole Not Recommended	
管壁孔 过管中心可用 Pipe Material Recommended		型芯孔 禁用 Precast Hole Not Recommended	

可换头钻头 Interchangeable Tip Drill

IDSL 怎样装刀尖-1
How To Attach Crown Heads-1



1

把钻杆装在刀柄上，刀柄装在机床或刀具预调仪上，以便安装钻尖

Install the drill tube on the machine holder, which is fixed on the machine tool or tool presetter for installing the drill tip.



2

用压缩空气清洁刀槽

Remove dust using air blast



3

把钻尖放进钻杆槽内(带上手套以防划伤)

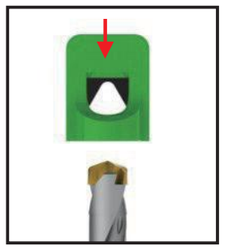
Put the drill tip into the groove of the drill tube (wear gloves to prevent scratches)



4

轻轻顺时针方向转动(带上手套以防划)

Gently rotate clockwise (wear gloves to prevent scratches)



5

选用合适的扳手

Select the wrench properly



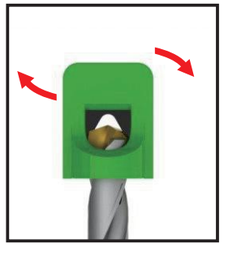
6

确认扳手卡入钻尖槽中

Make sure the wrench fits with drill tips slot for the wrench



扳手槽
Slot For Wrench



7

继续顺时针方向转动，
用力转过自锁位直到锁紧为止

Turn the wrench in a clockwise direction slowly, then turn strongly while passing self-locked face untill drill tip won't move



8

完成

Complete

可换头钻头 Interchangeable Tip Drill

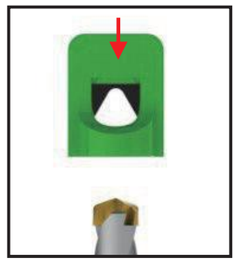
IDSL 怎样卸刀头-1
How To Detach Drill Tip-1



1

用压缩空气清洁钻尖

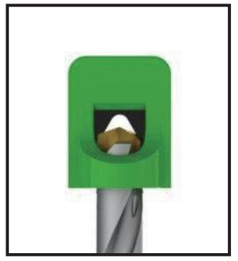
Remove dust from drill tip using air blast



2

选用合适的扳手

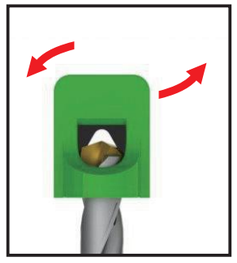
Select the wrench roperly



3

确认扳手卡入钻尖槽中

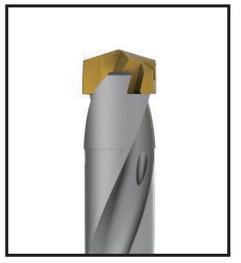
Fit the wrench to drill tip slot



4

反时针方向转动扳手

Turn the wrench in a counter-clockwise direction



5

一旦失去自锁，用手转动钻尖（戴上手套以防划伤）

Once self-lock is released, drill tip can be turned by fingers (wear gloves to prevent scratches)



6

取下钻尖（戴上手套以防划伤）

Remove drill tip (wear gloves to prevent scratches)

IDSL 怎样装刀头-大径 How To Attach drill tip-type large diameter



1

把钻杆装在刀柄上，刀柄装在机床或刀具预调仪上，以便安装钻尖

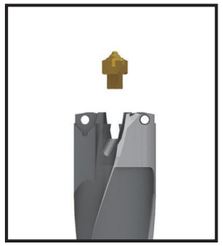
Install the drill tube on the machine holder, which is fixed on the machine tool or tool presetter for installing the drill tip



2

用压缩空气清洁刀槽

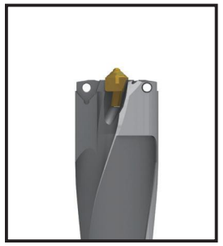
Remove dust using air blast



3

把钻尖放进钻杆槽内(带上手套以防划伤)

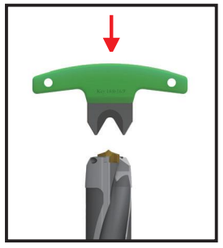
Put the drill tip into the groove of the drill tube (wear gloves to prevent scratches)



4

轻轻顺时针方向转动(带上手套以防划)

Gently rotate clockwise (wear gloves to prevent scratches)



5

选用合适的扳手

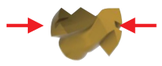
Select the wrench properly



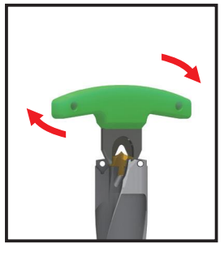
6

确认扳手卡入钻尖槽中

Make sure the wrench fits with drill tip's slot for the wrench



扳手槽
Slot For Wrench

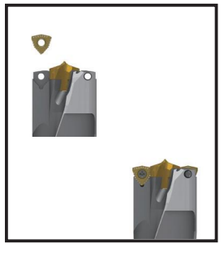


7

继续顺时针方向转动，

用力转过自锁位直到锁紧为止

Turn the wrench in a clockwise direction slowly, then turn strongly while passing self-locked face untill drill tip won't move



8

将扩孔刀片放入刀槽，

并用螺丝钉固定

Take two side inserts into the seats,and tighten the screws with the wrench

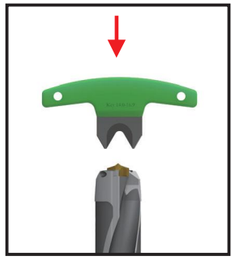
IDSL 怎样卸刀头-大径 How To Detach Drill Tip-type large diameter



1

用压缩空气清洁刀头

Remove dust from cutting head using air blast



2

选用合适的扳手

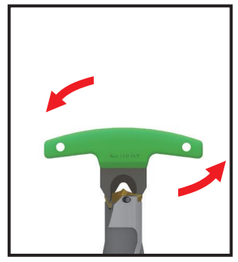
Select the wrench roperly



3

确认扳手卡入钻尖槽中

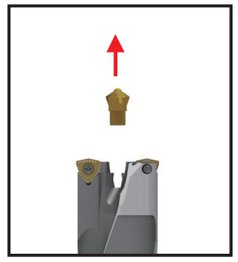
Fit the wrench to drill tip slot



4

反时针方向转动扳手

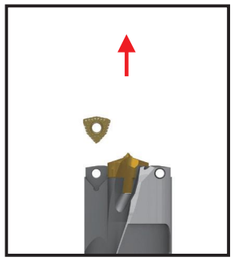
Turn the wrench in a counter-clockwise direction



5

一旦失去自锁，用手转动刀头,并取下钻尖（戴上手套以防划伤）

Once self-lock is released,cutting head can be turned by fingers and remove drill tip (wear gloves to prevent scratches)



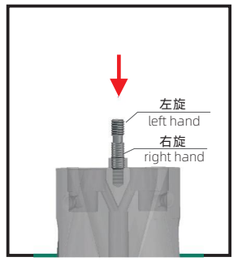
6

取下扩孔刀片

Remove two side inserts with the wrench

可换头钻头 Interchangeable Tip Drill

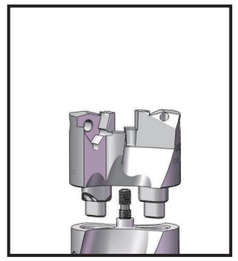
IDSL 怎样装刀头-模块式大径
How To Attach drill tip-type modular large diameter



1

将双头螺钉旋入杆部3圈。使旋入杆部剩余螺纹长度与左旋螺纹长度大致相等。

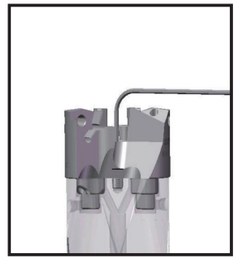
Screw the right hand thread into the screw hole of the holer three circles,let the length of left hand thread approximately be egual to the leagth of right hand thread.



2

将头部模块结合部对准杆部模块结合部。

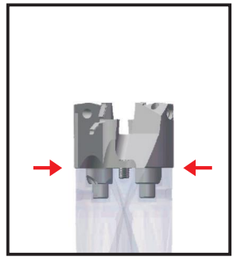
Put the head modular outo the holder unit exactly.



3

用扳手以适当的力顺时针方向旋转双头螺钉拧紧，保证头部模块与杆部模块完全结合,避免钻孔时刀体振动引起双头螺钉松动。

Tighten the screw clockwise using a wench and make sure close contact between the head modular and the tube modular.



4

用0.01mm塞尺，检查头部模块与杆部模块结合部位，以保证接合部位无任何间隙。

Check the gap between the head modular and the tube modular using a 0.01mm filler gauge,make sure no any gap.



5

将紧定螺钉旋入杆部模块螺钉孔。

Tighten the two screws into the tube modular .



6

用适当的力拧紧螺钉，防止钻削时螺钉松动。

Tighten the screws with appropriate force to prevent them from loosening during drilling.

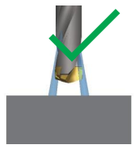
强烈建议：刀体使用一段时间后，要经常检查三个螺钉是否松动，有松动的情况时必须再次拧紧。

Strongly Recommended: After using the drill body for a period of time, it is necessary to regularly check whether the three screws are loose. If there is any looseness, it must be tightened again.

可换头钻头 Interchangeable Tip Drill

IDSL 冷却
Coolant

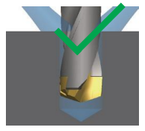
1



强烈推荐使用带内冷却的机床

Strongly recommend to use inner coolant machine tool

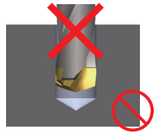
2



在外冷却的情况下，建议钻削不大于3D的孔.

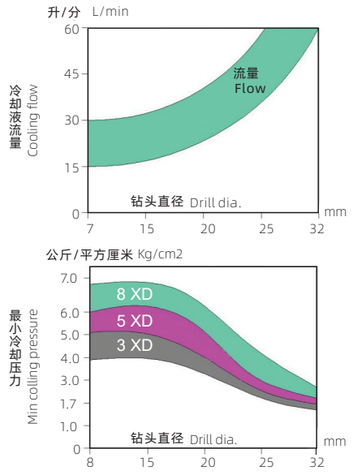
If only outer coolant, just drill holes for less than 3D

3

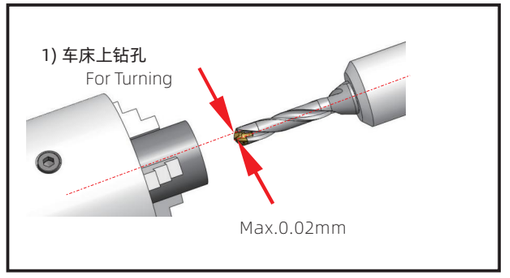


严禁用于干切削

Strictly prohibited for dry drilling

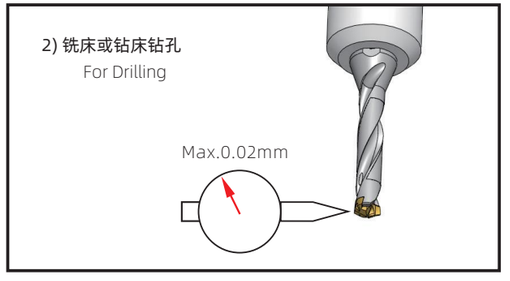


IDSL 应用警示
Application Warning



工件与钻尖偏心量不大于0.02毫米

Set deviation amount under0.02mm between the workpiece and the drill tip



禁止使用粗糙的刀柄，
刀柄的偏心量不大于0.02毫米

Do not use any machine holder with rough inner hole surface.
Center of arbor deviation must be within 0.02mm



BD

IDSD DOUBLE HOLE SPADE DRILL
IDSD双孔锁紧铲钻

Nomenclature
命名规则 **BD003-004**

Type-IDSD Double Hole Spade Drill Tip
IDSD双孔锁紧铲钻钻尖 **BD005-008**

IDSD-ER1-132° BD005-005
IDSD-ER2-132° BD006-006
IDSD-ER3-132° BD007-007
IDSD-HR1-132° BD008-008

Type-IDSD Double Hole Spade Drill Body
IDSD双孔锁紧铲钻钻杆 **BD009-014**

Type-IDSD Morse Taper Spiral Flute
IDSD-锥柄莫氏螺旋槽 BD009-010

Type-IDSD Morse Taper Straight Flute
IDSD-锥柄莫氏直槽 BD011-011

Type-IDSD Side-locking Spiral Flute
IDSD-侧固式螺旋槽 BD012-012

Type-IDSD Side-locking Straight Flute
IDSD-侧固式直槽 BD013-014

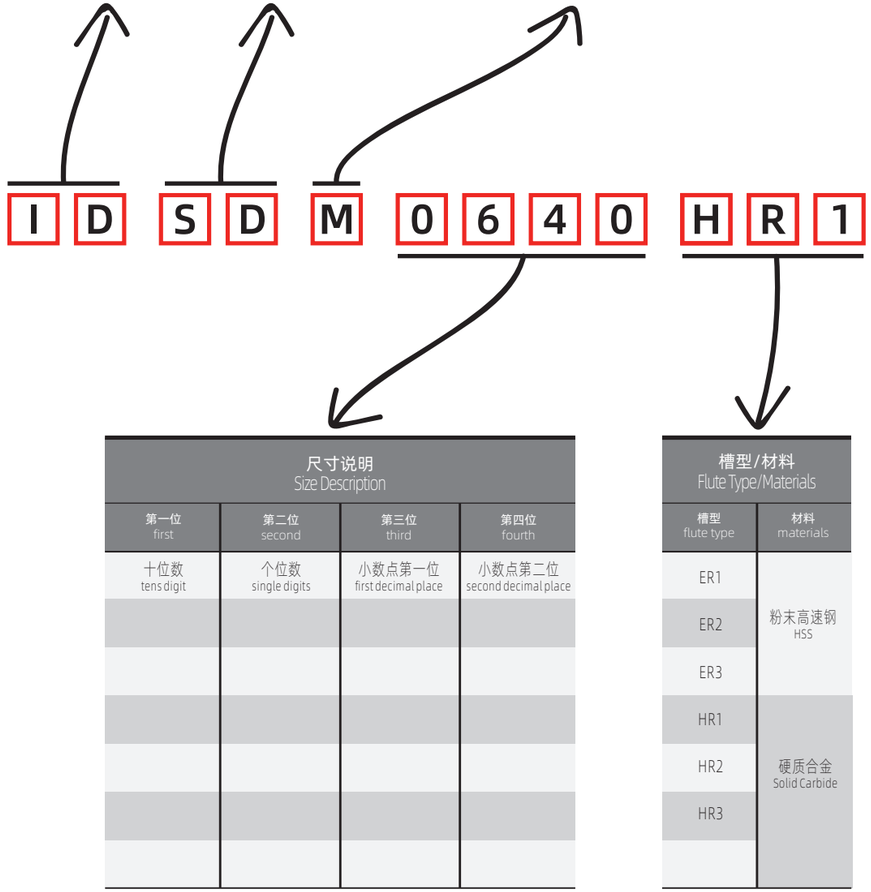
Recommended Table Of Processing Parameters
加工参数推荐表 **BD015-015**

双孔锁紧铲钻 Double Hole Spade Drill

IDSD 双孔锁紧铲钻钻尖命名规则 Double Hole Spade Drill Tip Nomenclature

类别说明 Category Description			
第一位钻尖类型 first drill point type		第二位结构类别 second structure category	
ID	可换头 Interchangeable Tip	SD	双螺钉铲钻 Double Hole Spade Drill
SD	可转位 Indexable	SS	单螺钉铲钻 Single Hole Spade Drill

尺寸标识 Size Identification	
I	英制 Imperial Unit
M	公制 Metric Unit



尺寸说明 Size Description			
第一位 first	第二位 second	第三位 third	第四位 fourth
十位数 tens digit	个位数 single digits	小数点第一位 first decimal place	小数点第二位 second decimal place

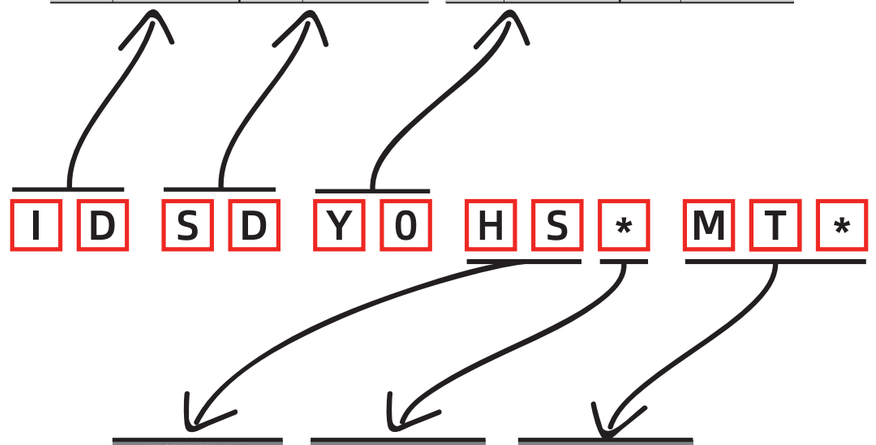
槽型/材料 Flute Type/Materials	
槽型 flute type	材料 materials
ER1	粉末高速钢 HSS
ER2	
ER3	
HR1	硬质合金 Solid Carbide
HR2	
HR3	

双孔锁紧铲钻 Double Hole Spade Drill

IDSD 双孔锁紧铲钻钻杆命名规则 Double Hole Spade Drill Body Nomenclature

类别说明 Category Description			
第一位钻尖类型 first drill point type		第二位结构类别 second structure category	
ID	可换头 Interchangeable Tip	SS	单螺钉 Single Type
DI	可转位 Indexable	SD	双螺钉 Duboult Type

尺寸说明 Size Description			
第三位 尺寸 third size description		第三位 尺寸 third size description	
YO	9.50 ~ 11.49	30	35.51 ~ 41.99
ZO	11.50~12.974	35	42.00 ~ 47.99
0	12.98~15.49	40	48.00 ~ 55.99
5	15.50~17.85	45	56.00 ~ 63.49
10	17.86~21.99	50	63.50 ~ 76.99
15	22.00~24.60	60	77.00 ~ 89.09
20	24.61 ~ 29.99	70	89.10~101.60
25	30.00 ~ 35.50	80	101.61 ~ 114.30



夹持结构说明 Clamping Structure Description	
第四位标准类别 fourth drill point type	
HS	铲钻螺旋槽代号 Spiral Flute Code
HH	铲钻直槽代号 Straight Flute Code

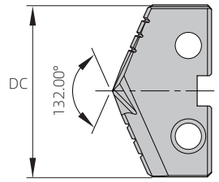
LF有效长度 mm

柄部标准 Standard Of Shank	
MT	莫氏柄Morse
B	一般侧固Side-lock
C	ISO9766

双孔锁紧铲钻 Double Hole Spade Drill

IDSD-ER1-132° 双孔锁紧铲钻钻尖 Double Hole Spade Drill Head





1.切削参数请参考BD015
2.单位：mm

1.Please refer to BD015 for cutting parameters.
2.Unit：mm

型号 Specification	DC（mm）	MIID
IDSDM0130ER1	13.00	00
IDSDM0135ER1	13.50	00
IDSDM0140ER1	14.00	00
IDSDM0145ER1	14.50	00
IDSDM0150ER1	15.00	00
IDSDM0155ER1	15.50	00
IDSDM0160ER1	16.00	05
IDSDM0165ER1	16.50	05
IDSDM0170ER1	17.00	05
IDSDM0175ER1	17.50	05
IDSDM0180ER1	18.00	10
IDSDM0185ER1	18.50	10
IDSDM0190ER1	19.00	10
IDSDM0195ER1	19.50	10
IDSDM0200ER1	20.00	10
IDSDM0205ER1	20.50	10
IDSDM0210ER1	21.00	10
IDSDM0215ER1	21.50	10
IDSDM0220ER1	22.00	15
IDSDM0230ER1	23.00	15
IDSDM0240ER1	24.00	15
IDSDM0250ER1	25.00	20
IDSDM0260ER1	26.00	20
IDSDM0270ER1	27.00	20
IDSDM0280ER1	28.00	20
IDSDM0290ER1	29.00	20
IDSDM0300ER1	30.00	25
IDSDM0310ER1	31.00	25
IDSDM0320ER1	32.00	25
IDSDM0330ER1	33.00	25
IDSDM0340ER1	34.00	25
IDSDM0350ER1	35.00	25
IDSDM0360ER1	36.00	30
IDSDM0370ER1	37.00	30
IDSDM0380ER1	38.00	30
IDSDM0390ER1	39.00	30
IDSDM0400ER1	40.00	30
IDSDM0410ER1	41.00	30
IDSDM0420ER1	42.00	35
IDSDM0430ER1	43.00	35

型号 Specification	DC（mm）	MIID
IDSDM0440ER1	44.00	35
IDSDM0450ER1	45.00	35
IDSDM0460ER1	46.00	35
IDSDM0470ER1	47.00	35
IDSDM0480ER1	48.00	40
IDSDM0490ER1	49.00	40
IDSDM0500ER1	50.00	40
IDSDM0510ER1	51.00	40
IDSDM0520ER1	52.00	40
IDSDM0530ER1	53.00	40
IDSDM0540ER1	54.00	40
IDSDM0550ER1	55.00	40
IDSDM0560ER1	56.00	45
IDSDM0570ER1	57.00	45
IDSDM0580ER1	58.00	45
IDSDM0590ER1	59.00	45
IDSDM0600ER1	60.00	45
IDSDM0610ER1	61.00	45
IDSDM0620ER1	62.00	45
IDSDM0630ER1	63.00	45

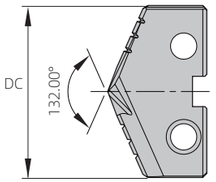
型号 Specification	DC（inch）	MIID
IDSDI0563ER1	0.563	00
IDSDI0625ER1	0.625	05
IDSDI0687ER1	0.687	05
IDSDI0750ER1	0.750	10
IDSDI0813ER1	0.813	10
IDSDI0875ER1	0.875	15
IDSDI0937ER1	0.937	15
IDSDI1000ER1	1.000	20
IDSDI1063ER1	1.063	20
IDSDI1125ER1	1.125	20
IDSDI1187ER1	1.187	25
IDSDI1250ER1	1.250	25
IDSDI1313ER1	1.313	25
IDSDI1344ER1	1.344	25
IDSDI1375ER1	1.375	25
IDSDI1437ER1	1.437	30
IDSDI1500ER1	1.500	30
IDSDI1563ER1	1.563	30
IDSDI1625ER1	1.625	30
IDSDI1687ER1	1.687	35
IDSDI1750ER1	1.750	35
IDSDI1813ER1	1.813	35
IDSDI1875ER1	1.875	35
IDSDI1937ER1	1.937	40
IDSDI2000ER1	2.000	40
IDSDI2063ER1	2.063	40
IDSDI2125ER1	2.125	40
IDSDI2187ER1	2.187	40
IDSDI2250ER1	2.250	45
IDSDI2313ER1	2.313	45
IDSDI2375ER1	2.375	45
IDSDI2437ER1	2.437	45
IDSDI2500ER1	2.500	45
IDSDI2563ER1	2.563	45

分体式钻头
Split Drill

双孔锁紧铲钻 Double Hole Spade Drill

IDSD-ER2-132° 双孔锁紧铲钻钻尖 Double Hole Spade Drill Tip





1.切削参数请参考BD015
2.单位：mm

1.Please refer to BD015 for cutting parameters.
2.Unit：mm

型号 Specification	DC（mm）	MIID
IDSDM0130ER2	13.00	00
IDSDM0135ER2	13.50	00
IDSDM0140ER2	14.00	00
IDSDM0145ER2	14.50	00
IDSDM0150ER2	15.00	00
IDSDM0155ER2	15.50	00
IDSDM0160ER2	16.00	05
IDSDM0165ER2	16.50	05
IDSDM0170ER2	17.00	05
IDSDM0175ER2	17.50	05
IDSDM0180ER2	18.00	10
IDSDM0185ER2	18.50	10
IDSDM0190ER2	19.00	10
IDSDM0195ER2	19.50	10
IDSDM0200ER2	20.00	10
IDSDM0205ER2	20.50	10
IDSDM0210ER2	21.00	10
IDSDM0215ER2	21.50	10
IDSDM0220ER2	22.00	15
IDSDM0230ER2	23.00	15
IDSDM0240ER2	24.00	15
IDSDM0250ER2	25.00	20
IDSDM0260ER2	26.00	20
IDSDM0270ER2	27.00	20
IDSDM0280ER2	28.00	20
IDSDM0290ER2	29.00	20
IDSDM0300ER2	30.00	25
IDSDM0310ER2	31.00	25
IDSDM0320ER2	32.00	25
IDSDM0330ER2	33.00	25
IDSDM0340ER2	34.00	25
IDSDM0350ER2	35.00	25
IDSDM0360ER2	36.00	30
IDSDM0370ER2	37.00	30
IDSDM0380ER2	38.00	30
IDSDM0390ER2	39.00	30
IDSDM0400ER2	40.00	30
IDSDM0410ER2	41.00	30
IDSDM0420ER2	42.00	35
IDSDM0430ER2	43.00	35

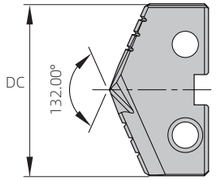
型号 Specification	DC（mm）	MIID
IDSDM0440ER2	44.00	35
IDSDM0450ER2	45.00	35
IDSDM0460ER2	46.00	35
IDSDM0470ER2	47.00	35
IDSDM0480ER2	48.00	40
IDSDM0490ER2	49.00	40
IDSDM0500ER2	50.00	40
IDSDM0510ER2	51.00	40
IDSDM0520ER2	52.00	40
IDSDM0530ER2	53.00	40
IDSDM0540ER2	54.00	40
IDSDM0550ER2	55.00	40
IDSDM0560ER2	56.00	45
IDSDM0570ER2	57.00	45
IDSDM0580ER2	58.00	45
IDSDM0590ER2	59.00	45
IDSDM0600ER2	60.00	45
IDSDM0610ER2	61.00	45
IDSDM0620ER2	62.00	45
IDSDM0630ER2	63.00	45

型号 Specification	DC（inch）	MIID
IDSDI0563ER2	0.563	00
IDSDI0625ER2	0.625	05
IDSDI0687ER2	0.687	05
IDSDI0750ER2	0.750	10
IDSDI0813ER2	0.813	10
IDSDI0875ER2	0.875	15
IDSDI0937ER2	0.937	15
IDSDI1000ER2	1.000	20
IDSDI1063ER2	1.063	20
IDSDI1125ER2	1.125	20
IDSDI1187ER2	1.187	25
IDSDI1250ER2	1.250	25
IDSDI1313ER2	1.313	25
IDSDI1344ER2	1.344	25
IDSDI1375ER2	1.375	25
IDSDI1437ER2	1.437	30
IDSDI1500ER2	1.500	30
IDSDI1563ER2	1.563	30
IDSDI1625ER2	1.625	30
IDSDI1687ER2	1.687	35
IDSDI1750ER2	1.750	35
IDSDI1813ER2	1.813	35
IDSDI1875ER2	1.875	35
IDSDI1937ER2	1.937	40
IDSDI2000ER2	2.000	40
IDSDI2063ER2	2.063	40
IDSDI2125ER2	2.125	40
IDSDI2187ER2	2.187	40
IDSDI2250ER2	2.250	45
IDSDI2313ER2	2.313	45
IDSDI2375ER2	2.375	45
IDSDI2437ER2	2.437	45
IDSDI2500ER2	2.500	45
IDSDI2563ER2	2.563	45

双孔锁紧铲钻 Double Hole Spade Drill

IDSD-ER3-132° 双孔锁紧铲钻钻尖 Double Hole Spade Drill Tip





1.切削参数请参考BD015
2.单位：mm

1.Please refer to BD015 for cutting parameters.
2.Unit：mm

型号 Specification	DC（mm）	MIID
IDSDM0095ER3	9.50	Y0
IDSDM0100ER3	10.00	Y0
IDSDM0110ER3	11.00	Y0
IDSDM0115ER3	11.50	Z0
IDSDM0120ER3	12.00	Z0
IDSDM0125ER3	12.50	Z0
IDSDM0130ER3	13.00	00
IDSDM0135ER3	13.50	00
IDSDM0140ER3	14.00	00
IDSDM0145ER3	14.50	00
IDSDM0150ER3	15.00	00
IDSDM0155ER3	15.50	05
IDSDM0160ER3	16.00	05
IDSDM0165ER3	16.50	05
IDSDM0170ER3	17.00	05
IDSDM0175ER3	17.50	05
IDSDM0180ER3	18.00	10
IDSDM0185ER3	18.50	10
IDSDM0190ER3	19.00	10
IDSDM0195ER3	19.50	10
IDSDM0200ER3	20.00	10
IDSDM0205ER3	20.50	10
IDSDM0210ER3	21.00	10
IDSDM0215ER3	21.50	10
IDSDM0220ER3	22.00	15
IDSDM0230ER3	23.00	15
IDSDM0240ER3	24.00	15
IDSDM0250ER3	25.00	20
IDSDM0260ER3	26.00	20
IDSDM0270ER3	27.00	20
IDSDM0280ER3	28.00	20
IDSDM0290ER3	29.00	20
IDSDM0300ER3	30.00	25
IDSDM0310ER3	31.00	25
IDSDM0320ER3	32.00	25
IDSDM0330ER3	33.00	25
IDSDM0340ER3	34.00	25
IDSDM0350ER3	35.00	25
IDSDM0360ER3	36.00	30
IDSDM0370ER3	37.00	30

型号 Specification	DC（mm）	MIID
IDSDM0380ER3	38.00	30
IDSDM0390ER3	39.00	30
IDSDM0400ER3	40.00	30
IDSDM0410ER3	41.00	30
IDSDM0420ER3	42.00	35
IDSDM0430ER3	43.00	35
IDSDM0440ER3	44.00	35
IDSDM0450ER3	45.00	35
IDSDM0460ER3	46.00	35
IDSDM0470ER3	47.00	35
IDSDM0480ER3	48.00	40
IDSDM0490ER3	49.00	40
IDSDM0500ER3	50.00	40
IDSDM0510ER3	51.00	40
IDSDM0520ER3	52.00	40
IDSDM0530ER3	53.00	40
IDSDM0540ER3	54.00	40
IDSDM0550ER3	55.00	40
IDSDM0560ER3	56.00	45
IDSDM0570ER3	57.00	45
IDSDM0580ER3	58.00	45
IDSDM0590ER3	59.00	45
IDSDM0600ER3	60.00	45
IDSDM0610ER3	61.00	45
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IDSDM0630ER3	63.00	45

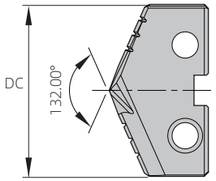
型号 Specification	DC（inch）	MIID
IDSDI0563ER3	0.563	00
IDSDI0625ER3	0.625	05
IDSDI0687ER3	0.687	05
IDSDI0750ER3	0.750	10
IDSDI0813ER3	0.813	10
IDSDI0875ER3	0.875	15
IDSDI0937ER3	0.937	15
IDSDI1000ER3	1.000	20
IDSDI1063ER3	1.063	20
IDSDI1125ER3	1.125	20
IDSDI1187ER3	1.187	25
IDSDI1250ER3	1.250	25
IDSDI1313ER3	1.313	25
IDSDI1344ER3	1.344	25
IDSDI1375ER3	1.375	25
IDSDI1437ER3	1.437	30
IDSDI1500ER3	1.500	30
IDSDI1563ER3	1.563	30
IDSDI1625ER3	1.625	30
IDSDI1687ER3	1.687	35
IDSDI1750ER3	1.750	35
IDSDI1813ER3	1.813	35
IDSDI1875ER3	1.875	35
IDSDI1937ER3	1.937	40
IDSDI2000ER3	2.000	40
IDSDI2063ER3	2.063	40
IDSDI2125ER3	2.125	40
IDSDI2187ER3	2.187	40
IDSDI2250ER3	2.250	45
IDSDI2313ER3	2.313	45
IDSDI2375ER3	2.375	45
IDSDI2437ER3	2.437	45
IDSDI2500ER3	2.500	45
IDSDI2563ER3	2.563	45

分体式钻头
Split Drill

双孔锁紧铲钻 Double Hole Spade Drill

IDSD-HR1-132° 双孔锁紧铲钻钻尖 Double Hole Spade Drill Head





1.切削参数请参考BD015
2.单位：mm

1.Please refer to BD015 for cutting parameters.
2.Unit：mm

型号 Specification	DC（mm）	MIID
IDSDM0095HR1	9.50	Y0
IDSDM0100HR1	10.00	Y0
IDSDM0110HR1	11.00	Y0
IDSDM0115HR1	11.50	Z0
IDSDM0120HR1	12.00	Z0
IDSDM0125HR1	12.50	Z0
IDSDM0130HR1	13.00	00
IDSDM0135HR1	13.50	00
IDSDM0140HR1	14.00	00
IDSDM0145HR1	14.50	00
IDSDM0150HR1	15.00	00
IDSDM0155HR1	15.50	00
IDSDM0160HR1	16.00	05
IDSDM0165HR1	16.50	05
IDSDM0170HR1	17.00	05
IDSDM0175HR1	17.50	05
IDSDM0180HR1	18.00	10
IDSDM0185HR1	18.50	10
IDSDM0190HR1	19.00	10
IDSDM0195HR1	19.50	10
IDSDM0200HR1	20.00	10
IDSDM0205HR1	20.50	10
IDSDM0210HR1	21.00	10
IDSDM0215HR1	21.50	10
IDSDM0220HR1	22.00	15
IDSDM0230HR1	23.00	15
IDSDMD240HR1	24.00	15
IDSDM0250HR1	25.00	20
IDSDMD260HR1	26.00	20
IDSDM0270HR1	27.00	20
IDSDM0280HR1	28.00	20
IDSDM0290HR1	29.00	20
IDSDM0300HR1	30.00	25
IDSDM0310HR1	31.00	25
IDSDM0320HR1	32.00	25
IDSDM0330HR1	33.00	25
IDSDM0340HR1	34.00	25
IDSDMD350HR1	35.00	25

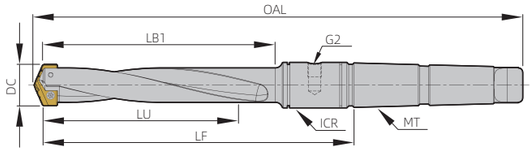
型号 Specification	DC（mm）	MIID
IDSDI0563HR1	0.563	00
IDSDI0625HR1	0.625	05
IDSDI0687HR1	0.687	05
IDSDI0750HR1	0.750	10
IDSDI0813HR1	0.813	10
IDSDI0875HR1	0.875	15
IDSDI0937HR1	0.937	15
IDSDI1000HR1	1.000	20
IDSDI1063HR1	1.063	20
IDSDI1125HR1	1.125	20
IDSDI1187HR1	1.187	25
IDSDI1250HR1	1.250	25

型号 Specification	DC（inch）	MIID
-	-	-

双孔锁紧铲钻 Double Hole Spade Drill

IDSD 双孔锁紧铲钻钻杆 -（锥柄莫氏螺旋槽）
Double Hole Drill Body -（Morse Taper Spiral Flute）





1.单位：mm
2.所有钻体应使用指定标识刀片
3.刀片单独订购
4.当需要外冷转内冷时，请购买ICR！

1.Unit：mm
2.All drill bodies shall use the specified identifying insert.
3.Insert ordered separately.
4.When external cooling to internal cooling is required, please choose ICR!

型号 Specification	DC	OAL	LU	LF	LB1	DCONMS	MIID	G2	ICR	螺钉 Screw	扳手 Wrench
IDSDY0HS32MT2	9.50～11.49	160	32	88	52	MT2	Y0	1/16"	BDHR09	BDHR01	Q07
IDSDY0HS60MT2	9.50～11.49	189	60	117	80	MT2	Y0	1/16"	BDHR09	BDHR01	Q07
IDSDY0HS111MT2	9.50～11.49	240	111	167	131	MT2	Y0	1/16"	BDHR09	BDHR01	Q07
IDSDZ0HS32MT2	11.50～12.97	160	32	88	52	MT2	Z0	1/16"	BDHR09	BDHR02	Q07
IDSDZ0HS60MT2	11.50～12.97	189	60	117	80	MT2	Z0	1/16"	BDHR09	BDHR02	Q07
IDSDZ0HS111MT2	11.50～12.97	240	111	167	131	MT2	Z0	1/16"	BDHR09	BDHR02	Q07
IDSD00HS35MT2	12.98～15.49	164	35	92	56	MT2	00	1/16"	BDHR09	BDHR03	Q08
IDSD00HS64MT2	12.98～15.49	193	64	121	84	MT2	00	1/16"	BDHR09	BDHR03	Q08
IDSD00HS114MT2	12.98～15.49	244	114	172	135	MT2	00	1/16"	BDHR09	BDHR03	Q08
IDSD00HS178MT2	12.98～15.49	307	178	235	199	MT2	00	1/16"	BDHR09	BDHR03	Q08
IDSD05HS35MT2	15.50～17.85	164	35	92	56	MT2	05	1/16"	BDHR09	BDHR04	Q08
IDSD05HS64MT2	15.50～17.85	193	64	121	84	MT2	05	1/16"	BDHR09	BDHR04	Q08
IDSD05HS114MT2	15.50～17.85	244	114	172	135	MT2	05	1/16"	BDHR09	BDHR04	Q08
IDSD05HS178MT2	15.50～17.85	307	178	235	199	MT2	05	1/16"	BDHR09	BDHR04	Q08
IDSD10HS70MT3	17.86～21.99	233	70	143	98	MT3	10	1/8"	BDHR0a	BDHR05	Q09
IDSD10HS121MT3	17.86～21.99	283	121	193	149	MT3	10	1/8"	BDHR0a	BDHR05	Q09
IDSD10HS172MT3	17.86～21.99	334	172	244	200	MT3	10	1/8"	BDHR0a	BDHR05	Q09
IDSD10HS273MT3	17.86～21.99	436	273	346	302	MT3	10	1/8"	BDHR0a	BDHR05	Q09
IDSD15HS70MT3	22.00~24.60	233	70	143	98	MT3	15	1/8"	BDHR0a	BDHR05	Q09
IDSD15HS121MT3	22.00~24.60	283	121	193	149	MT3	15	1/8"	BDHR0a	BDHR05	Q09
IDSD15HS172MT3	22.00~24.60	334	172	244	200	MT3	15	1/8"	BDHR0a	BDHR05	Q09
IDSD15HS273MT3	22.00~24.60	436	273	346	302	MT3	15	1/8"	BDHR0a	BDHR05	Q09
IDSD20HS86MT4	24.61～29.99	274	86	160	114	MT4	20	1/8"	BDHR0a	BDHR06	Q15
IDSD20HS137MT4	24.61～29.99	325	137	211	165	MT4	20	1/8"	BDHR0a	BDHR06	Q15
IDSD20HS187MT4	24.61～29.99	375	187	262	216	MT4	20	1/8"	BDHR0a	BDHR06	Q15
IDSD20HS289MT4	24.61～29.99	477	289	364	318	MT4	20	1/8"	BDHR0a	BDHR06	Q15
IDSD25HS86MT4	30.00~35.50	281	86	168	114	MT4	25	1/4"	BDHR0b	BDHR06	Q15
IDSD25HS137MT4	30.00~35.50	332	137	218	165	MT4	25	1/4"	BDHR0b	BDHR06	Q15
IDSD25HS187MT4	30.00~35.50	383	187	596	216	MT4	25	1/4"	BDHR0b	BDHR06	Q15
IDSD25HS289MT4	30.00~35.50	484	289	371	318	MT4	25	1/4"	BDHR0b	BDHR06	Q15
IDSD25HS400MT4	30.00~35.50	595	400	482	429	MT4	25	1/4"	BDHR0b	BDHR06	Q15
IDSD30HS121MT4	35.51～41.99	319	121	206	152	MT4	30	1/4"	BDHR0b	BDHR07	Q20
IDSD30HS165MT4	35.51～41.99	364	165	251	197	MT4	30	1/4"	BDHR0b	BDHR07	Q20
IDSD30HS210MT4	35.51～41.99	408	210	295	241	MT4	30	1/4"	BDHR0b	BDHR07	Q20
IDSD30HS349MT4	35.51～41.99	548	349	435	381	MT4	30	1/4"	BDHR0b	BDHR07	Q20
IDSD35HS121MT4	42.00～47.99	319	121	206	152	MT4	35	1/4"	BDHR0b	BDHR07	Q20
IDSD35HS165MT4	42.00～47.99	364	165	251	197	MT4	35	1/4"	BDHR0b	BDHR07	Q20
IDSD35HS210MT4	42.00～47.99	408	210	295	241	MT4	35	1/4"	BDHR0b	BDHR07	Q20
IDSD35HS349MT4	42.00～47.99	548	349	435	381	MT4	35	1/4"	BDHR0b	BDHR07	Q20
IDSD40HS130MT5	48.00~55.99	364	130	219	165	MT5	40	1/4"	BDHR0c	BDHR07	Q20
IDSD40HS232MT5	48.00~55.99	465	232	321	267	MT5	40	1/4"	BDHR0c	BDHR07	Q20
IDSD40HS422MT5	48.00~55.99	656	422	511	457	MT5	40	1/4"	BDHR0c	BDHR07	Q20

刀片Insert → DB005-008

双孔锁紧铲钻 Double Hole Spade Drill

IDSD 双孔锁紧铲钻钻杆 -（锥柄莫氏螺旋槽）
Double Hole Drill Body -（Morse Taper Spiral Flute）

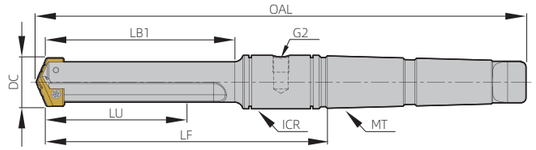
型号 Specification	DC	OAL	LU	LF	LB1	DCONMS	MIID	G2	ICR	螺钉 Screw	扳手 Wrench
IDSD45HS130MT5	56.00～65.19	364	130	219	165	MT5	45	1/4"	BDHR0c	BDHR07	Q20
IDSD45HS232MT5	56.00～65.19	465	232	321	267	MT5	45	1/4"	BDHR0c	BDHR07	Q20
IDSD45HS422MT5	56.00～65.19	656	422	511	457	MT5	45	1/4"	BDHR0c	BDHR07	Q20

刀片Insert → DB005-008

双孔锁紧铲钻 Double Hole Spade Drill

IDSD | 双孔锁紧铲钻钻杆-（锥柄莫氏直槽）
Double Hole Drill Body -（Morse Taper Straight Flute）





1.单位：mm
2.所有钻体应使用指定标识刀片
3.刀片单独订购
4.当需要外冷转内冷时，请购买ICR！

1.Unit：mm
2.All drill bodies shall use the specified identifying insert.
3.Insert ordered separately.
4.When external cooling to internal cooling is required, please choose ICR!

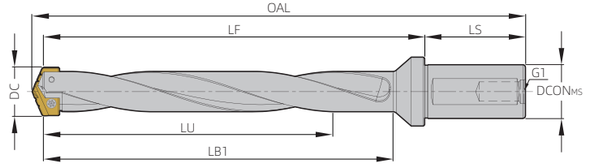
型号 Specification	DC	OAL	LU	LF	LB1	DCONMS	MIID	G2	ICR	螺钉 Screw	扳手 Wrench
IDSDY0HH32MT2	9.50～11.49	160	32	88	52	MT2	Y0	1/16"	BDHR09	BDHR01	Q07
IDSDZ0HH32MT2	11.50～12.97	160	32	88	52	MT2	Z0	1/16"	BDHR09	BDHR02	Q07
IDSD00HH35MT2	12.98～15.49	164	35	92	56	MT2	00	1/16"	BDHR09	BDHR03	Q08
IDSD05HH35MT2	15.50～17.85	164	35	92	56	MT2	05	1/16"	BDHR09	BDHR04	Q08
IDSD10HH70MT3	17.86～21.99	233	70	143	98	MT3	10	1/8"	BDHR0a	BDHR05	Q09
IDSD15HH70MT3	22.00~24.60	233	70	143	98	MT3	15	1/8"	BDHR0a	BDHR05	Q09
IDSD20HH86MT4	24.61～29.99	274	86	160	114	MT4	20	1/8"	BDHR0a	BDHR06	Q15
IDSD25HH86MT4	30.00~35.50	281	86	168	114	MT4	25	1/4"	BDHR0b	BDHR06	Q15
IDSD30HH121MT4	35.51～41.99	319	121	206	152	MT4	30	1/4"	BDHR0b	BDHR07	Q20
IDSD30HH349MT4	35.51～41.99	548	349	435	381	MT4	30	1/4"	BDHR0b	BDHR07	Q20
IDSD30HH559MT4	35.51～41.99	757	559	645	591	MT4	30	1/4"	BDHR0b	BDHR07	Q20
IDSD30HH787MT4	35.51～41.99	986	787	873	819	MT4	30	1/4"	BDHR0b	BDHR07	Q20
IDSD35HH121MT4	42.00～47.99	319	121	206	152	MT4	35	1/4"	BDHR0b	BDHR07	Q20
IDSD35HH349MT4	42.00～47.99	548	349	435	381	MT4	35	1/4"	BDHR0b	BDHR07	Q20
IDSD35HH559MT4	42.00～47.99	757	559	645	591	MT4	35	1/4"	BDHR0b	BDHR07	Q20
IDSD35HH787MT4	42.00～47.99	986	787	873	819	MT4	35	1/4"	BDHR0b	BDHR07	Q20
IDSD40HH130MT5	48.00~55.99	364	130	219	165	MT5	40	1/4"	BDHR0c	BDHR07	Q20
IDSD40HH350MT5	48.00~55.99	583	350	439	385	MT5	40	1/4"	BDHR0c	BDHR07	Q20
IDSD40HH422MT5	48.00~55.99	656	422	511	457	MT5	40	1/4"	BDHR0c	BDHR07	Q20
IDSD40HH625MT5	48.00~55.99	859	625	714	660	MT5	40	1/4"	BDHR0c	BDHR07	Q20
IDSD40HH879MT5	48.00~55.99	1113	879	968	914	MT5	40	1/4"	BDHR0c	BDHR07	Q20
IDSD45HH130MT5	56.00～65.19	364	130	219	165	MT5	45	1/4"	BDHR0c	BDHR07	Q20
IDSD45HH350MT5	56.00～65.19	583	350	439	385	MT5	45	1/4"	BDHR0c	BDHR07	Q20
IDSD45HH422MT5	56.00～65.19	656	422	511	457	MT5	45	1/4"	BDHR0c	BDHR07	Q20
IDSD45HH625MT5	56.00～65.19	859	625	714	660	MT5	45	1/4"	BDHR0c	BDHR07	Q20
IDSD45HH879MT5	56.00～65.19	1113	879	968	914	MT5	45	1/4"	BDHR0c	BDHR07	Q20

刀片Insert → DB005-008

双孔锁紧铲钻 Double Hole Spade Drill

IDSD | 双孔锁紧铲钻钻杆-（侧固式螺旋槽）
Double Hole Drill Body -（Side-locking Spiral Flute）





1.单位：mm
2.所有钻体应使用指定标识刀片
3.刀片单独订购

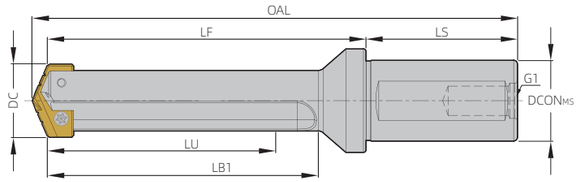
1.Unit：mm
2.All drill bodies shall use the specified identifying insert.
3.Insert ordered separately.

型号 Specification	DC	OAL	LU	LF	LB1	LS	DCONMS	MIID	G1	螺钉 Screw	扳手 Wrench
IDSDY0HS60C20	9.50～11.49	140	60	92	90	50	20	Y0	1/8"	BDHR01	Q07
IDSDY0HS111C20	9.50～11.49	191	111	143	141	50	20	Y0	1/8"	BDHR01	Q07
IDSDZ0HS60C20	11.50～12.97	140	60	92	90	50	20	Z0	1/8"	BDHR02	Q07
IDSDZ0HS111C20	11.50～12.97	191	111	143	141	50	20	Z0	1/8"	BDHR02	Q07
IDSD00HS64C20	12.98～15.49	142	64	95	92	50	20	00	1/8"	BDHR03	Q08
IDSD00HS114C20	12.98～15.49	193	114	146	143	50	20	00	1/8"	BDHR03	Q08
IDSD00HS178C20	12.98～15.49	256	178	209	206	50	20	00	1/8"	BDHR03	Q08
IDSD05HS64C20	15.50～17.85	142	64	95	92	50	20	05	1/8"	BDHR04	Q08
IDSD05HS114C20	15.50～17.85	193	114	146	143	50	20	05	1/8"	BDHR04	Q08
IDSD05HS178C20	15.50～17.85	256	178	209	206	50	20	05	1/8"	BDHR04	Q08
IDSD10HS118C25	17.86～21.99	211	118	158	155	56	25	10	1/8"	BDHR05	Q09
IDSD10HS168C25	17.86～21.99	262	168	209	206	56	25	10	1/8"	BDHR05	Q09
IDSD10HS222C25	17.86～21.99	316	222	263	260	56	25	10	1/8"	BDHR05	Q09
IDSD10HS270C25	17.86～21.99	363	270	311	307	56	25	10	1/8"	BDHR05	Q09
IDSD15HS118C25	22.00～24.60	211	118	158	155	56	25	15	1/8"	BDHR05	Q09
IDSD15HS168C25	22.00～24.60	262	168	209	206	56	25	15	1/8"	BDHR05	Q09
IDSD15HS222C25	22.00～24.60	316	222	263	260	56	25	15	1/8"	BDHR05	Q09
IDSD15HS270C25	22.00～24.60	363	270	311	307	56	25	15	1/8"	BDHR05	Q09
IDSD20HS137C32	24.61～29.99	239	137	183	179	60	32	20	1/4"	BDHR06	Q15
IDSD20HS187C32	24.61～29.99	290	187	234	230	60	32	20	1/4"	BDHR06	Q15
IDSD20HS237C32	24.61～29.99	340	237	284	280	60	32	20	1/4"	BDHR06	Q15
IDSD20HS289C32	24.61～29.99	392	289	335	332	60	32	20	1/4"	BDHR06	Q15
IDSD25HS137C32	30.00～35.50	239	137	183	179	60	32	25	1/4"	BDHR06	Q15
IDSD25HS187C32	30.00～35.50	290	187	234	230	60	32	25	1/4"	BDHR06	Q15
IDSD25HS237C32	30.00～35.50	340	237	284	280	60	32	25	1/4"	BDHR06	Q15
IDSD25HS289C32	30.00～35.50	392	289	335	332	60	32	25	1/4"	BDHR06	Q15
IDSD30HS165C40	35.51～41.99	288	165	222	218	70	40	30	1/4"	BDHR07	Q20
IDSD30HS210C40	35.51～41.99	332	210	267	262	70	40	30	1/4"	BDHR07	Q20
IDSD30HS260C40	35.51～41.99	382	260	317	312	70	40	30	1/4"	BDHR07	Q20
IDSD30HS349C40	35.51～41.99	472	349	406	402	70	40	30	1/4"	BDHR07	Q20
IDSD35HS165C40	42.00～47.99	288	165	222	218	70	40	35	1/4"	BDHR07	Q20
IDSD35HS210C40	42.00～47.99	332	210	267	262	70	40	35	1/4"	BDHR07	Q20
IDSD35HS260C40	42.00～47.99	382	260	317	312	70	40	35	1/4"	BDHR07	Q20
IDSD35HS349C40	42.00～47.99	472	349	406	402	70	40	35	1/4"	BDHR07	Q20
IDSD40HS232C40	48.00～55.99	351	232	286	281	70	40	40	1/4"	BDHR07	Q20
IDSD40HS350C40	48.00～55.99	469	350	404	399	70	40	40	1/4"	BDHR07	Q20
IDSD40HS422C40	48.00～55.99	542	422	476	472	70	40	40	1/4"	BDHR07	Q20
IDSD45HS232C40	56.00～65.09	351	232	286	281	70	40	45	1/4"	BDHR07	Q20
IDSD45HS350C40	56.00～65.09	469	350	404	399	70	40	45	1/4"	BDHR07	Q20
IDSD45HS422C40	56.00～65.09	542	422	476	472	70	40	45	1/4"	BDHR07	Q20

刀片Insert → DB005-008

IDSD 双孔锁紧铲钻钻杆-（侧固式直槽）
Double Hole Drill Body -（Side-locking Straight Flute）





1.单位：mm
2.所有钻体应使用指定标识刀片
3.刀片单独订购

1.Unit：mm
2.All drill bodies shall use the specified identifying insert.
3.Insert ordered separately.

型号 Specification	DC	OAL	LU	LF	LB1	LS	DCONMS	MIID	G1	螺钉 Screw	扳手 Wrench
IDSDY0HH19C16	9.50～11.49	96	19	50	48	48	16	Y0	1/16"	BDHR01	Q07
IDSDY0HH32C20	9.50～11.49	111	32	64	61	50	20	Y0	1/8"	BDHR01	Q07
IDSDY0HH222C20	9.50～11.49	302	222	254	252	50	20	Y0	1/8"	BDHR01	Q07
IDSDY0HH290C20	9.50～11.49	370	290	322	320	50	20	Y0	1/8"	BDHR01	Q07
IDSDZ0HH19C16	11.50～12.97	96	19	50	48	48	16	Z0	1/16"	BDHR02	Q07
IDSDZ0HH32C20	11.50～12.97	111	32	64	61	50	20	Z0	1/8"	BDHR02	Q07
IDSDZ0HH222C20	11.50～12.97	302	222	254	252	50	20	Z0	1/8"	BDHR02	Q07
IDSDZ0HH290C20	11.50～12.97	370	290	322	320	50	20	Z0	1/8"	BDHR02	Q07
IDSD00HH22C20	12.98～15.49	98	22	50	48	50	20	00	1/8"	BDHR03	Q08
IDSD00HH35C20	12.98～15.49	114	35	66	64	50	20	00	1/8"	BDHR03	Q08
IDSD00HH240C20	12.98～15.49	318	240	271	268	50	20	00	1/8"	BDHR03	Q08
IDSD00HH295C20	12.98～15.49	374	295	327	324	50	20	00	1/8"	BDHR03	Q08
IDSD00HH387C20	12.98～15.49	466	387	419	416	50	20	00	1/8"	BDHR03	Q08
IDSD05HH22C20	15.50～17.85	98	22	50	48	50	20	05	1/8"	BDHR04	Q08
IDSD05HH35C20	15.50～17.85	114	35	66	64	50	20	05	1/8"	BDHR04	Q08
IDSD05HH240C20	15.50～17.85	318	240	271	268	50	20	05	1/8"	BDHR04	Q08
IDSD05HH295C20	15.50～17.85	374	295	327	324	50	20	05	1/8"	BDHR04	Q08
IDSD05HH387C20	15.50～17.85	466	387	419	416	50	20	05	1/8"	BDHR04	Q08
IDSD10HH48C25	17.86～21.99	132	48	79	76	56	25	10	1/8"	BDHR05	Q09
IDSD10HH67C25	17.86～21.99	163	67	111	107	56	25	10	1/8"	BDHR05	Q09
IDSD10HH365C25	17.86～21.99	458	365	406	402	56	25	10	1/8"	BDHR05	Q09
IDSD10HH457C25	17.86～21.99	551	457	498	495	56	25	10	1/8"	BDHR05	Q09
IDSD10HH569C25	17.86～21.99	659	569	606	603	56	25	10	1/8"	BDHR05	Q09
IDSD15HH48C25	22.00～24.60	132	48	79	76	56	25	15	1/8"	BDHR05	Q09
IDSD15HH67C25	22.00～24.60	163	67	111	107	56	25	15	1/8"	BDHR05	Q09
IDSD15HH365C25	22.00～24.60	458	365	406	402	56	25	15	1/8"	BDHR05	Q09
IDSD15HH457C25	22.00～24.60	551	457	498	495	56	25	15	1/8"	BDHR05	Q09
IDSD15HH569C25	22.00～24.60	659	569	606	603	56	25	15	1/8"	BDHR05	Q09
IDSD20HH57C32	24.61～29.99	149	57	92	89	60	32	20	1/4"	BDHR06	Q15
IDSD20HH86C32	24.61～29.99	189	86	132	129	60	32	20	1/4"	BDHR06	Q15
IDSD20HH400C32	24.61～29.99	503	400	446	443	60	32	20	1/4"	BDHR06	Q15
IDSD20HH511C32	24.61～29.99	618	511	558	554	60	32	20	1/4"	BDHR06	Q15
IDSD20HH692C32	24.61～29.99	795	692	739	735	60	32	20	1/4"	BDHR06	Q15
IDSD25HH57C32	30.00～35.50	149	57	92	89	60	32	25	1/4"	BDHR06	Q15
IDSD25HH86C32	30.00～35.50	189	86	132	129	60	32	25	1/4"	BDHR06	Q15
IDSD25HH400C32	30.00～35.50	503	400	446	443	60	32	25	1/4"	BDHR06	Q15
IDSD25HH511C32	30.00～35.50	618	511	558	554	60	32	25	1/4"	BDHR06	Q15
IDSD25HH692C32	30.00～35.50	795	692	739	735	60	32	25	1/4"	BDHR06	Q15
IDSD30HH76C40	35.51～41.99	195	76	130	125	70	40	30	1/4"	BDHR07	Q20
IDSD30HH121C40	35.51～41.99	243	121	178	173	70	40	30	1/4"	BDHR07	Q20
IDSD30HH349C40	35.51～41.99	472	349	406	402	70	40	30	1/4"	BDHR07	Q20
IDSD30HH559C40	35.51～41.99	681	559	616	611	70	40	30	1/4"	BDHR07	Q20

刀片Insert → DB005-008

双孔锁紧铲钻 Double Hole Spade Drill

IDSD 双孔锁紧铲钻钻杆-（侧固式直槽）
Double Hole Drill Body -（Side-locking Straight Flute）

分体式钻头 Split Drill

型号 Specification	DC	OAL	LU	LF	LB1	LS	DCONMS	MIID	G1	螺钉 Screw	扳手 Wrench
IDSD30HH787C40	35.51～41.99	910	787	845	840	70	40	30	1/4"	BDHR07	Q20
IDSD35HH76C40	42.00～47.99	195	76	130	125	70	40	35	1/4"	BDHR07	Q20
IDSD35HH121C40	42.00～47.99	243	121	178	173	70	40	35	1/4"	BDHR07	Q20
IDSD35HH349C40	42.00～47.99	472	349	406	402	70	40	35	1/4"	BDHR07	Q20
IDSD35HH559C40	42.00～47.99	681	559	616	611	70	40	35	1/4"	BDHR07	Q20
IDSD35HH787C40	42.00～47.99	910	787	845	840	70	40	35	1/4"	BDHR07	Q20
IDSD40HH130C40	48.00～55.99	249	130	184	179	70	40	40	1/4"	BDHR07	Q20
IDSD40HH422C40	48.00～55.99	542	422	476	472	70	40	40	1/4"	BDHR07	Q20
IDSD40HH525C40	48.00～55.99	645	525	579	575	70	40	40	1/4"	BDHR07	Q20
IDSD40HH625C40	48.00～55.99	745	625	680	675	70	40	40	1/4"	BDHR07	Q20
IDSD40HH879C40	48.00～55.99	999	879	934	929	70	40	40	1/4"	BDHR07	Q20
IDSD45HH130C40	56.00～65.09	249	130	184	179	70	40	45	1/4"	BDHR07	Q20
IDSD45HH422C40	56.00～65.09	542	422	476	472	70	40	45	1/4"	BDHR07	Q20
IDSD45HH525C40	56.00～65.09	645	525	579	575	70	40	45	1/4"	BDHR07	Q20
IDSD45HH625C40	56.00～65.09	745	625	680	675	70	40	45	1/4"	BDHR07	Q20
IDSD45HH879C40	56.00～65.09	999	879	934	929	70	40	45	1/4"	BDHR07	Q20

刀片Insert → DB005-008

双孔锁紧铲钻 Double Hole Spade Drill

双孔锁紧铲钻加工参数推荐表 Recommended processing parameters for double hole spade drill
ER1·ER2·ER3

加工材料 Processing Material / 变量参数 Variable Parameter	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium Alloy	铸铁 Cast Iron	不锈钢 Stainless Steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	HB<320	Cr<13%
切削速度Vc(m/min)	30~50			40~50		23~34	0~10			60~70	45~55	20~30	60~70	10~25	
直径D.（mm）	基于钻头尖端直径的建议进给速率（mm/r）														
9.5~12.5	0.04~0.17			0.05~0.11		0.05~0.07	0.02~0.04			0.08~0.14	0.07~0.22	0.04~0.07	0.08~0.16	0.02~0.06	
13.0~17.5	0.08~0.23			0.08~0.14		0.06~0.10	0.02~0.06			0.10~0.16	0.09~0.24	0.05~0.09	0.10~0.20	0.02~0.08	
18.0~24.0	0.12~0.30			0.12~0.23		0.10~0.22	0.10~0.19			0.13~0.39	0.09~0.39	0.09~0.19	0.12~0.39	0.09~0.19	
25.0~35.0	0.16~0.39			0.16~0.34		0.13~0.23	0.12~0.22			0.16~0.43	0.16~0.47	0.10~0.23	0.16~0.43	0.10~0.23	
36.0~47.0	0.21~0.47			0.19~0.41		0.10~0.23	0.16~0.29			0.29~0.53	0.17~0.57	0.16~0.34	0.19~0.53	0.13~0.29	
48.0~65.0	0.22~0.54			0.22~0.45		0.16~0.34	0.21~0.39			0.32~0.59	0.19~0.65	0.19~0.39	0.22~0.66	0.16~0.35	
66.0~114.0	0.26~0.66			0.26~0.53		0.23~0.47	0.23~0.43			0.32~0.59	0.21~0.72	0.23~0.47	0.26~0.72	/	

注1: 上述推荐的切削参数以3-4D系列为准;
注2: 当在使用5-6D,7-8D,9-12D,12-14D,14-22D时，请根据工况适当降低参数;
注3: 建议3-4D系列=100%，7-8D系列=80%以下，9-12D以上系列=70%以下。

Note 1: The recommended processing parameters mentioned above are based on the 3-4D series.
Note 2: When using 5-6D, 7-8D, 9-12D, 12-14D, 14-22D, please reduce the parameters appropriately according to the working conditions.
Note 3: It is recommended that the 3-4D series=100%, the 7-8D series=below 80%, and the 9-12D series or above=below 70%.

双孔锁紧铲钻加工参数推荐表 Recommended processing parameters for double hole spade drill
HR1

加工材料 Processing material / 变量参数 Variable Parameter	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium Alloy	铸铁 Cast Iron	不锈钢 Stainless Steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	HB<320	Cr<13%
切削速度Vc(m/min)	20~32			20~37		10~37	43~51			0~10	10~34	10~28	0~24.5	10~34	
直径D.（mm）	基于钻头尖端直径的建议进给速率（mm/r）														
9.5~12.5	0.05~0.17			0.04~0.12		0.07~0.14	0.02~0.08			0.05~0.19	0.05~0.17	0.04~0.08	0.07~0.17	0.04~0.08	
13.0~17.5	0.08~0.23			0.08~0.19		0.09~0.19	0.07~0.14			0.08~0.31	0.08~0.29	0.08~0.17	0.09~0.29	0.08~0.17	
18.0~24.0	0.12~0.31			0.12~0.23		0.10~0.22	0.09~0.19			0.13~0.39	0.09~0.39	0.09~0.19	0.12~0.39	0.09~0.19	
25.0~35.0	0.16~0.39			0.16~0.34		0.10~0.23	0.10~0.22			0.16~0.47	0.16~0.47	0.10~0.23	0.16~0.43	0.10~0.23	

注1: 上述推荐的切削参数以3-4D系列为准;
注2: 当在使用5-6D,7-8D,9-12D,12-14D,14-22D时，请根据工况适当降低参数;
注3: 建议3-4D系列=100%，7-8D系列=80%以下，9-12D以上系列=70%以下。

Note 1: The recommended processing parameters mentioned above are based on the 3-4D series.
Note 2: When using 5-6D, 7-8D, 9-12D, 12-14D, 14-22D, please reduce the parameters appropriately according to the working conditions.
Note 3: It is recommended that the 3-4D series=100%, the 7-8D series=below 80%, and the 9-12D series or above=below 70%.

双孔锁紧铲钻 Double Hole Spade Drill

分体式钻头
Split Drill



BE

DILD HIGH SPEED DRILL
DILD浅孔钻

Nomenclature
命名规则 **BE003-003**

Type-DILD High Speed Drill -SD-U Drill
DILD浅孔钻 -SD-U钻 **BE005-013**

SD-2D BE005-006
SD-3D BE007-008
SD-4D BE009-010
SD-2D-C20 ..... BE011-011
SD-3D-C20 ..... BE012-012
SD-4D-C20 ..... BE013-013

Type-DILD High Speed Drill -SP-U Drill
DILD浅孔钻 -SP-U钻 **BE014-022**

SP-2D BE014-015
SP-3D BE016-017
SP-4D BE018-019
SP-2D-C20 ..... BE020-020
SP-3D-C20 ..... BE021-021
SP-4D-C20 ..... BE022-022

Type-DILD High Speed Drill -MS-U Drill
DILD浅孔钻 -MS-U钻 **BE023-025**

MS-3D BE023-023
MS-4D BE024-024
MS-5D BE025-025

可转位钻头 Indexable Drill

DILD 可转位钻头命名规则 Indexable Drill Nomenclature

类别说明 Category Description	
第一位钻头类型 first drill type	
SD	WC**刀片
SP	SP**刀片
MS	SO**/SP**刀片

头部直径 Head Diameter
第二位头部直径(mm) second head diameter(mm)

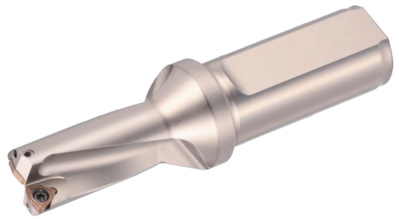
SD - 20 - 4D - C20

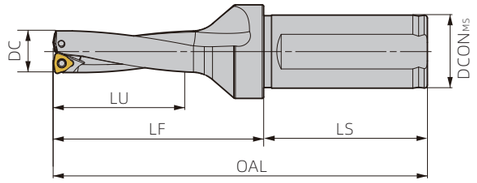
倍径说明 Times-diameter	
第三位 倍径 third diameter times	
2D	2倍径 2D
3D	3倍径 3D
4D	4倍径 4D

柄径尺寸 Shank Size	
第四位 柄径尺寸 forth mm	
20	
25	
32	
40	

浅孔钻 High Speed Drill

DILD | SD-U钻（2D） Type-SD-U Drill (2D)





1.单位：mm
2.所有钻体应使用指定标识刀片
3.刀片单独订购

1.Unit：mm
2.All drill bodies shall use the specified identifying insert.
3.Insert ordered separately.

型号 Specification	DC	OAL	LU	LF	LS	DCONMS	刀片 Insert	刀片螺钉 Screw	扳手 Wrench
SD14-2D-C25	14.00	107.00	30.00	51.00	56.00	25.00	WCMX030208	BEHR01	Q08
SD14.5-2D-C25	14.50	108.00	31.00	52.00	56.00	25.00	WCMX030208	BEHR02	Q08
SD15-2D-C25	15.00	107.00	32.00	51.00	56.00	25.00	WCMX030208	BEHR02	Q08
SD15.5-2D-C25	15.50	108.00	33.00	52.00	56.00	25.00	WCMX030208	BEHR02	Q08
SD16-2D-C25	16.00	109.00	34.00	53.00	56.00	25.00	WCMX030208	BEHR02	Q08
SD16.5-2D-C25	16.50	110.00	35.00	54.00	56.00	25.00	WCMX030208	BEHR02	Q08
SD17-2D-C25	17.00	111.00	36.00	55.00	56.00	25.00	WCMX030208	BEHR02	Q08
SD17.5-2D-C25	17.50	112.00	37.00	56.00	56.00	25.00	WCMX030208	BEHR02	Q08
SD18-2D-C25	18.00	113.00	38.00	57.00	56.00	25.00	WCMX030208	BEHR02	Q08
SD18.5-2D-C25	18.50	114.00	39.00	58.00	56.00	25.00	WCMX030208	BEHR02	Q08
SD19-2D-C25	19.00	113.00	40.00	57.00	56.00	25.00	WCMX030208	BEHR02	Q08
SD19.5-2D-C25	19.50	114.00	41.00	58.00	56.00	25.00	WCMX030208	BEHR02	Q08
SD20-2D-C25	20.00	115.50	42.00	59.50	56.00	25.00	WCMX040208	BEHR02	Q08
SD20.5-2D-C25	20.50	117.00	43.00	61.00	56.00	25.00	WCMX040208	BEHR02	Q08
SD21-2D-C25	21.00	118.00	44.00	62.00	56.00	25.00	WCMX040208	BEHR02	Q08
SD21.5-2D-C25	21.50	119.00	45.00	63.00	56.00	25.00	WCMX040208	BEHR02	Q08
SD22-2D-C25	22.00	120.00	46.00	64.00	56.00	25.00	WCMX040208	BEHR02	Q08
SD22.5-2D-C25	22.50	121.00	47.00	65.00	56.00	25.00	WCMX040208	BEHR02	Q08
SD23-2D-C25	23.00	122.00	48.00	66.00	56.00	25.00	WCMX040208	BEHR02	Q08
SD23.5-2D-C25	23.50	123.00	49.00	67.00	56.00	25.00	WCMX040208	BEHR02	Q08
SD24-2D-C25	24.00	124.00	50.00	68.00	56.00	25.00	WCMX050308	BEHR03	Q08
SD24.5-2D-C25	24.50	125.00	51.00	69.00	56.00	25.00	WCMX050308	BEHR03	Q08
SD25-2D-C25	25.00	127.00	52.00	71.00	56.00	25.00	WCMX050308	BEHR03	Q08
SD25-2D-C32	25.00	136.00	52.00	76.00	60.00	32.00	WCMX050308	BEHR03	Q08
SD25.5-2D-C32	25.50	137.00	53.00	77.00	60.00	32.00	WCMX050308	BEHR03	Q08
SD26-2D-C32	26.00	138.00	54.00	78.00	60.00	32.00	WCMX050308	BEHR03	Q08
SD26.5-2D-C32	26.50	139.00	55.00	79.00	60.00	32.00	WCMX050308	BEHR03	Q08
SD27-2D-C32	27.00	140.00	56.00	80.00	60.00	32.00	WCMX050308	BEHR03	Q08
SD27.5-2D-C32	27.50	141.00	57.00	81.00	60.00	32.00	WCMX050308	BEHR03	Q08
SD28-2D-C32	28.00	142.00	58.00	82.00	60.00	32.00	WCMX050308	BEHR03	Q08
SD28.5-2D-C32	28.50	143.00	59.00	83.00	60.00	32.00	WCMX050308	BEHR03	Q08
SD29-2D-C32	29.00	144.00	60.00	84.00	60.00	32.00	WCMX050308	BEHR03	Q08
SD29.5-2D-C32	29.50	145.00	61.00	85.00	60.00	32.00	WCMX050308	BEHR03	Q08
SD30-2D-C32	30.00	146.00	62.00	86.00	60.00	32.00	WCMX050308	BEHR03	Q08
SD30.5-2D-C32	30.50	146.00	63.00	86.00	60.00	32.00	WCMX050308	BEHR03	Q08
SD31-2D-C32	31.00	147.00	64.00	87.00	60.00	32.00	WCMX06T308	BEHR04	Q15
SD31.5-2D-C32	31.50	147.00	65.00	87.00	60.00	32.00	WCMX06T308	BEHR04	Q15
SD32-2D-C32	32.00	149.00	66.00	89.00	60.00	32.00	WCMX06T308	BEHR04	Q15
SD32.5-2D-C32	32.50	149.00	67.00	89.00	60.00	32.00	WCMX06T308	BEHR04	Q15
SD33-2D-C32	33.00	151.00	68.00	91.00	60.00	32.00	WCMX06T308	BEHR04	Q15
SD33.5-2D-C32	33.50	151.00	69.00	91.00	60.00	32.00	WCMX06T308	BEHR04	Q15
SD34-2D-C32	34.00	152.00	70.00	92.00	60.00	32.00	WCMX06T308	BEHR04	Q15

刀片Insert → DE010

浅孔钻 High Speed Drill

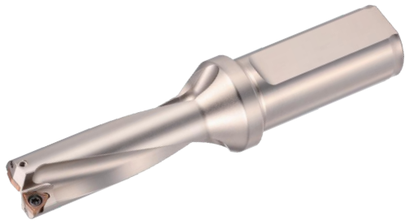
DILD | SD-U钻（2D） Type-SD-U Drill (2D)

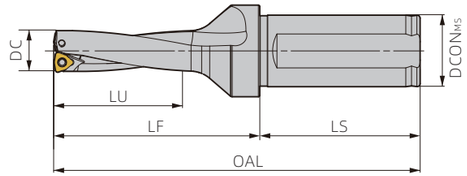
分体式钻头 Split Drill

型号 Specification	DC	OAL	LU	LF	LS	DCONMS	刀片 Insert	刀片螺钉 Screw	扳手 Wrench
SD34.5-2D-C32	34.50	152.00	71.00	92.00	60.00	32.00	WCMX06T308	BEHR04	Q15
SD35-2D-C32	35.00	155.00	72.00	95.00	60.00	32.00	WCMX06T308	BEHR04	Q15
SD35.5-2D-C32	35.50	155.00	73.00	95.00	60.00	32.00	WCMX06T308	BEHR04	Q15
SD36-2D-C32	36.00	157.00	74.00	97.00	60.00	32.00	WCMX06T308	BEHR04	Q15
SD36.5-2D-C32	36.50	158.00	75.00	98.00	60.00	32.00	WCMX06T308	BEHR04	Q15
SD37-2D-C32	37.00	159.00	76.00	99.00	60.00	32.00	WCMX06T308	BEHR04	Q15
SD37.5-2D-C32	37.50	161.00	77.00	101.00	60.00	32.00	WCMX06T308	BEHR04	Q15
SD38-2D-C32	38.00	158.50	78.00	98.50	60.00	32.00	WCMX06T308	BEHR04	Q15
SD38.5-2D-C32	38.50	159.50	79.00	99.50	60.00	32.00	WCMX06T308	BEHR04	Q15
SD39-2D-C32	39.00	162.00	80.00	102.00	60.00	32.00	WCMX06T308	BEHR04	Q15
SD39.5-2D-C32	39.50	160.00	81.00	100.00	60.00	32.00	WCMX06T308	BEHR04	Q15
SD40-2D-C32	40.00	160.00	82.00	100.00	60.00	32.00	WCMX06T308	BEHR04	Q15
SD40.5-2D-C32	40.50	160.00	83.00	100.00	60.00	32.00	WCMX06T308	BEHR04	Q15
SD41-2D-C32	41.00	164.00	84.00	104.00	60.00	32.00	WCMX06T308	BEHR04	Q15
SD41.5-2D-C32	41.50	162.00	85.00	102.00	60.00	32.00	WCMX06T308	BEHR04	Q15
SD42-2D-C40	42.00	181.00	86.00	111.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD42.5-2D-C40	42.50	182.00	87.00	112.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD43-2D-C40	43.00	183.00	88.00	113.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD43.5-2D-C40	43.50	184.00	89.00	114.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD44-2D-C40	44.00	185.00	90.00	115.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD44.5-2D-C40	44.50	186.00	91.00	116.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD45-2D-C40	45.00	187.00	92.00	117.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD45.5-2D-C40	45.50	188.00	93.00	118.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD46-2D-C40	46.00	189.00	94.00	119.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD46.5-2D-C40	46.50	190.00	95.00	120.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD47-2D-C40	47.00	191.00	96.00	121.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD47.5-2D-C40	47.50	192.00	97.00	122.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD48-2D-C40	48.00	193.00	98.00	123.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD48.5-2D-C40	48.50	194.00	99.00	124.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD49-2D-C40	49.00	195.00	100.00	125.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD49.5-2D-C40	49.50	196.00	101.00	126.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD50-2D-C40	50.00	197.00	102.00	127.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD50.5-2D-C40	50.50	197.00	103.00	127.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD51-2D-C40	51.00	199.00	104.00	129.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD52-2D-C40	52.00	201.00	106.00	131.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD53-2D-C40	53.00	203.00	108.00	133.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD54-2D-C40	54.00	205.00	110.00	135.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD55-2D-C40	55.00	207.00	112.00	137.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD56-2D-C40	56.00	209.00	114.00	139.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD57-2D-C40	57.00	211.00	116.00	141.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD58-2D-C40	58.00	213.00	118.00	143.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD59-2D-C40	59.00	215.00	120.00	145.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD60-2D-C40	60.00	217.00	122.00	147.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD65-2D-C40	65.00	233.50	132.00	163.50	70.00	40.00	WCMX06T308	BEHR04	Q15
SD68-2D-C40	68.00	240.00	138.00	170.00	70.00	40.00	WCMX06T308	BEHR04	Q15
SD70-2D-C40	70.00	232.00	142.00	162.00	70.00	40.00	WCMX06T308	BEHR04	Q15

刀片Insert → DE010

DILD | SD-U钻（3D） Type-SD-U Drill (3D)





1.单位：mm
2.所有钻体应使用指定标识刀片
3.刀片单独订购

1.Unit：mm
2.All drill bodies shall use the specified identifying insert.
3.Insert ordered separately.

型号 Specification	DC	OAL	LU	LF	LS	DCONMS	刀片 Insert	刀片螺钉 Screw	扳手 Wrench
SD14-3D-C25	14.00	121.00	44.00	65.00	56.00	25.00	WCMX030208	BEHR01	Q08
SD14.5-3D-C25	14.50	122.50	45.50	66.50	56.00	25.00	WCMX030208	BEHR02	Q08
SD15-3D-C25	15.00	122.00	47.00	66.00	56.00	25.00	WCMX030208	BEHR02	Q08
SD15.5-3D-C25	15.50	123.50	48.50	67.50	56.00	25.00	WCMX030208	BEHR02	Q08
SD16-3D-C25	16.00	125.00	50.00	69.00	56.00	25.00	WCMX030208	BEHR02	Q08
SD16.5-3D-C25	16.50	126.50	51.50	70.50	56.00	25.00	WCMX030208	BEHR02	Q08
SD17-3D-C25	17.00	128.00	53.00	72.00	56.00	25.00	WCMX030208	BEHR02	Q08
SD17.5-3D-C25	17.50	129.50	54.50	73.50	56.00	25.00	WCMX030208	BEHR02	Q08
SD18-3D-C25	18.00	131.00	56.00	75.00	56.00	25.00	WCMX030208	BEHR02	Q08
SD18.5-3D-C25	18.50	132.50	57.50	76.50	56.00	25.00	WCMX030208	BEHR02	Q08
SD19-3D-C25	19.00	132.00	59.00	76.00	56.00	25.00	WCMX030208	BEHR02	Q08
SD19.5-3D-C25	19.50	133.50	60.50	77.50	56.00	25.00	WCMX030208	BEHR02	Q08
SD20-3D-C25	20.00	135.50	62.00	79.50	56.00	25.00	WCMX040208	BEHR02	Q08
SD20.5-3D-C25	20.50	137.50	63.50	81.50	56.00	25.00	WCMX040208	BEHR02	Q08
SD21-3D-C25	21.00	139.00	65.00	83.00	56.00	25.00	WCMX040208	BEHR02	Q08
SD21.5-3D-C25	21.50	140.50	66.50	84.50	56.00	25.00	WCMX040208	BEHR02	Q08
SD22-3D-C25	22.00	142.00	68.00	86.00	56.00	25.00	WCMX040208	BEHR02	Q08
SD22.5-3D-C25	22.50	143.50	69.50	87.50	56.00	25.00	WCMX040208	BEHR02	Q08
SD23-3D-C25	23.00	145.00	71.00	89.00	56.00	25.00	WCMX040208	BEHR02	Q08
SD23.5-3D-C25	23.50	146.50	72.50	90.50	56.00	25.00	WCMX040208	BEHR02	Q08
SD24-3D-C25	24.00	148.00	74.00	92.00	56.00	25.00	WCMX050308	BEHR03	Q08
SD24.5-3D-C25	24.50	149.50	75.50	93.50	56.00	25.00	WCMX050308	BEHR03	Q08
SD25-3D-C25	25.00	152.00	77.00	96.00	56.00	25.00	WCMX050308	BEHR03	Q08
SD25-3D-C32	25.00	161.00	77.00	101.00	60.00	32.00	WCMX050308	BEHR03	Q08
SD25.5-3D-C32	25.50	162.50	78.50	102.50	60.00	32.00	WCMX050308	BEHR03	Q08
SD26-3D-C32	26.00	164.00	80.00	104.00	60.00	32.00	WCMX050308	BEHR03	Q08
SD26.5-3D-C32	26.50	165.50	81.50	105.50	60.00	32.00	WCMX050308	BEHR03	Q08
SD27-3D-C32	27.00	167.00	83.00	107.00	60.00	32.00	WCMX050308	BEHR03	Q08
SD27.5-3D-C32	27.50	168.50	84.50	108.50	60.00	32.00	WCMX050308	BEHR03	Q08
SD28-3D-C32	28.00	170.00	86.00	110.00	60.00	32.00	WCMX050308	BEHR03	Q08
SD28.5-3D-C32	28.50	171.50	87.50	111.50	60.00	32.00	WCMX050308	BEHR03	Q08
SD29-3D-C32	29.00	173.00	89.00	113.00	60.00	32.00	WCMX050308	BEHR03	Q08
SD29.5-3D-C32	29.50	174.50	90.50	114.50	60.00	32.00	WCMX050308	BEHR03	Q08
SD30-3D-C32	30.00	176.00	92.00	116.00	60.00	32.00	WCMX050308	BEHR03	Q08
SD30.5-3D-C32	30.50	176.50	93.50	116.50	60.00	32.00	WCMX050308	BEHR03	Q08
SD31-3D-C32	31.00	178.00	95.00	118.00	60.00	32.00	WCMX06T308	BEHR04	Q15
SD31.5-3D-C32	31.50	178.50	96.50	118.50	60.00	32.00	WCMX06T308	BEHR04	Q15
SD32-3D-C32	32.00	181.00	98.00	121.00	60.00	32.00	WCMX06T308	BEHR04	Q15
SD32.5-3D-C32	32.50	181.50	99.50	121.50	60.00	32.00	WCMX06T308	BEHR04	Q15
SD33-3D-C32	33.00	184.00	101.00	124.00	60.00	32.00	WCMX06T308	BEHR04	Q15
SD33.5-3D-C32	33.50	184.50	102.50	124.50	60.00	32.00	WCMX06T308	BEHR04	Q15
SD34-3D-C32	34.00	186.00	104.00	126.00	60.00	32.00	WCMX06T308	BEHR04	Q15

刀片Insert → DE010

浅孔钻 High Speed Drill

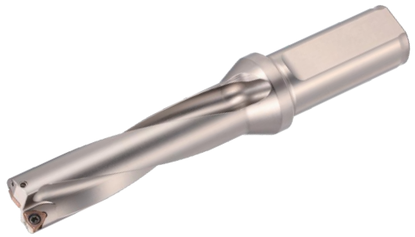
DILD | SD-U钻（3D） Type-SD-U Drill (3D)

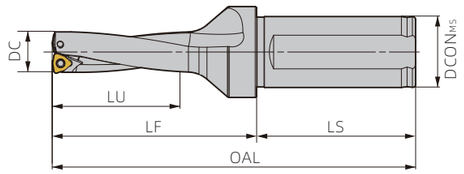
分体式钻头 Split Drill

型号 Specification	DC	OAL	LU	LF	LS	DCONMS	刀片 Insert	刀片螺钉 Screw	扳手 Wrench
SD34.5-3D-C32	34.50	186.50	105.50	126.50	60.00	32.00	WCMX06T308	BEHR04	Q15
SD35-3D-C32	35.00	190.00	107.00	130.00	60.00	32.00	WCMX06T308	BEHR04	Q15
SD35.5-3D-C32	35.50	190.50	108.50	130.50	60.00	32.00	WCMX06T308	BEHR04	Q15
SD36-3D-C32	36.00	193.00	110.00	133.00	60.00	32.00	WCMX06T308	BEHR04	Q15
SD36.5-3D-C32	36.50	194.50	111.50	134.50	60.00	32.00	WCMX06T308	BEHR04	Q15
SD37-3D-C32	37.00	196.00	113.00	136.00	60.00	32.00	WCMX06T308	BEHR04	Q15
SD37.5-3D-C32	37.50	198.50	114.50	138.50	60.00	32.00	WCMX06T308	BEHR04	Q15
SD38-3D-C32	38.00	196.50	116.00	136.50	60.00	32.00	WCMX06T308	BEHR04	Q15
SD38.5-3D-C32	38.50	198.00	117.50	138.00	60.00	32.00	WCMX06T308	BEHR04	Q15
SD39-3D-C32	39.00	197.00	119.00	137.00	60.00	32.00	WCMX06T308	BEHR04	Q15
SD39.5-3D-C32	39.50	199.50	120.50	139.50	60.00	32.00	WCMX06T308	BEHR04	Q15
SD40-3D-C32	40.00	200.00	122.00	140.00	60.00	32.00	WCMX06T308	BEHR04	Q15
SD40.5-3D-C32	40.50	200.50	123.00	140.50	60.00	32.00	WCMX06T308	BEHR04	Q15
SD41-3D-C32	41.00	205.00	125.00	145.00	60.00	32.00	WCMX06T308	BEHR04	Q15
SD41.5-3D-C32	41.50	203.50	126.50	143.50	60.00	32.00	WCMX06T308	BEHR04	Q15
SD42-3D-C40	42.00	223.00	128.00	153.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD42.5-3D-C40	42.50	224.50	129.50	154.50	70.00	40.00	WCMX080412	BEHR05	Q15
SD43-3D-C40	43.00	226.00	131.00	156.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD43.5-3D-C40	43.50	227.50	132.50	157.50	70.00	40.00	WCMX080412	BEHR05	Q15
SD44-3D-C40	44.00	229.00	134.00	159.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD44.5-3D-C40	44.50	230.50	135.50	160.50	70.00	40.00	WCMX080412	BEHR05	Q15
SD45-3D-C40	45.00	232.00	137.00	162.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD45.5-3D-C40	45.50	233.50	138.50	163.50	70.00	40.00	WCMX080412	BEHR05	Q15
SD46-3D-C40	46.00	235.00	140.00	165.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD46.5-3D-C40	46.50	236.50	141.50	166.50	70.00	40.00	WCMX080412	BEHR05	Q15
SD47-3D-C40	47.00	238.00	143.00	168.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD47.5-3D-C40	47.50	239.50	144.50	169.50	70.00	40.00	WCMX080412	BEHR05	Q15
SD48-3D-C40	48.00	241.00	146.00	171.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD48.5-3D-C40	48.50	242.50	147.50	172.50	70.00	40.00	WCMX080412	BEHR05	Q15
SD49-3D-C40	49.00	244.00	149.00	174.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD49.5-3D-C40	49.50	245.50	150.50	175.50	70.00	40.00	WCMX080412	BEHR05	Q15
SD50-3D-C40	50.00	247.00	152.00	177.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD50.5-3D-C40	50.50	249.00	154.00	179.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD51-3D-C40	51.00	250.00	155.00	180.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD52-3D-C40	52.00	253.00	158.00	183.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD53-3D-C40	53.00	256.00	161.00	186.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD54-3D-C40	54.00	259.00	164.00	189.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD55-3D-C40	55.00	262.00	167.00	192.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD56-3D-C40	56.00	265.00	170.00	195.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD57-3D-C40	57.00	268.00	173.00	198.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD58-3D-C40	58.00	271.00	176.00	201.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD59-3D-C40	59.00	274.00	179.00	204.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD60-3D-C40	60.00	277.00	182.00	207.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD65-3D-C40	65.00	298.50	197.00	228.50	70.00	40.00	WCMX06T308	BEHR04	Q15
SD68-3D-C40	68.00	308.00	206.00	238.00	70.00	40.00	WCMX06T308	BEHR04	Q15
SD70-3D-C40	70.00	302.00	212.00	232.00	70.00	40.00	WCMX06T308	BEHR04	Q15

刀片Insert → DE010

DILD | SD-U钻（4D） Type-SD-U Drill (4D)





1.单位：mm
2.所有钻体应使用指定标识刀片
3.刀片单独订购

1.Unit：mm
2.All drill bodies shall use the specified identifying insert.
3.Insert ordered separately.

型号 Specification	DC	OAL	LU	LF	LS	DCONMS	刀片 Insert	刀片螺钉 Screw	扳手 Wrench
SD14-4D-C25	14.00	135.00	58.00	79.00	56.00	25.00	WCMX030208	BEHR01	Q08
SD14.5-4D-C25	14.50	137.00	60.00	81.00	56.00	25.00	WCMX030208	BEHR02	Q08
SD15-4D-C25	15.00	137.00	62.00	81.00	56.00	25.00	WCMX030208	BEHR02	Q08
SD15.5-4D-C25	15.50	139.00	64.00	83.00	56.00	25.00	WCMX030208	BEHR02	Q08
SD16-4D-C25	16.00	141.00	66.00	85.00	56.00	25.00	WCMX030208	BEHR02	Q08
SD16.5-4D-C25	16.50	143.00	68.00	87.00	56.00	25.00	WCMX030208	BEHR02	Q08
SD17-4D-C25	17.00	145.00	70.00	89.00	56.00	25.00	WCMX030208	BEHR02	Q08
SD17.5-4D-C25	17.50	147.00	72.00	91.00	56.00	25.00	WCMX030208	BEHR02	Q08
SD18-4D-C25	18.00	149.00	74.00	93.00	56.00	25.00	WCMX030208	BEHR02	Q08
SD18.5-4D-C25	18.50	151.00	76.00	95.00	56.00	25.00	WCMX030208	BEHR02	Q08
SD19-4D-C25	19.00	151.00	78.00	95.00	56.00	25.00	WCMX030208	BEHR02	Q08
SD19.5-4D-C25	19.50	153.00	80.00	97.00	56.00	25.00	WCMX030208	BEHR02	Q08
SD20-4D-C25	20.00	155.50	82.00	99.50	56.00	25.00	WCMX040208	BEHR02	Q08
SD20.5-4D-C25	20.50	158.00	84.00	102.00	56.00	25.00	WCMX040208	BEHR02	Q08
SD21-4D-C25	21.00	160.00	86.00	104.00	56.00	25.00	WCMX040208	BEHR02	Q08
SD21.5-4D-C25	21.50	162.00	88.00	106.00	56.00	25.00	WCMX040208	BEHR02	Q08
SD22-4D-C25	22.00	164.00	90.00	108.00	56.00	25.00	WCMX040208	BEHR02	Q08
SD22.5-4D-C25	22.50	166.00	92.00	110.00	56.00	25.00	WCMX040208	BEHR02	Q08
SD23-4D-C25	23.00	168.00	94.00	112.00	56.00	25.00	WCMX040208	BEHR02	Q08
SD23.5-4D-C25	23.50	170.00	96.00	114.00	56.00	25.00	WCMX040208	BEHR02	Q08
SD24-4D-C25	24.00	172.00	98.00	116.00	56.00	25.00	WCMX050308	BEHR03	Q08
SD24.5-4D-C25	24.50	174.00	100.00	118.00	56.00	25.00	WCMX050308	BEHR03	Q08
SD25-4D-C25	25.00	177.00	102.00	121.00	56.00	25.00	WCMX050308	BEHR03	Q08
SD25-4D-C32	25.00	186.00	102.00	126.00	60.00	32.00	WCMX050308	BEHR03	Q08
SD25.5-4D-C32	25.50	188.00	104.00	128.00	60.00	32.00	WCMX050308	BEHR03	Q08
SD26-4D-C32	26.00	190.00	106.00	130.00	60.00	32.00	WCMX050308	BEHR03	Q08
SD26.5-4D-C32	26.50	192.00	108.00	132.00	60.00	32.00	WCMX050308	BEHR03	Q08
SD27-4D-C32	27.00	194.00	110.00	134.00	60.00	32.00	WCMX050308	BEHR03	Q08
SD27.5-4D-C32	27.50	196.00	112.00	136.00	60.00	32.00	WCMX050308	BEHR03	Q08
SD28-4D-C32	28.00	198.00	114.00	138.00	60.00	32.00	WCMX050308	BEHR03	Q08
SD28.5-4D-C32	28.50	200.00	116.00	140.00	60.00	32.00	WCMX050308	BEHR03	Q08
SD29-4D-C32	29.00	202.00	118.00	142.00	60.00	32.00	WCMX050308	BEHR03	Q08
SD29.5-4D-C32	29.50	204.00	120.00	144.00	60.00	32.00	WCMX050308	BEHR03	Q08
SD30-4D-C32	30.00	206.00	122.00	146.00	60.00	32.00	WCMX050308	BEHR03	Q08
SD30.5-4D-C32	30.50	207.00	124.00	147.00	60.00	32.00	WCMX050308	BEHR03	Q08
SD31-4D-C32	31.00	209.00	126.00	149.00	60.00	32.00	WCMX06T308	BEHR04	Q15
SD31.5-4D-C32	31.50	210.00	128.00	150.00	60.00	32.00	WCMX06T308	BEHR04	Q15
SD32-4D-C32	32.00	213.00	130.00	153.00	60.00	32.00	WCMX06T308	BEHR04	Q15
SD32.5-4D-C32	32.50	214.00	132.00	154.00	60.00	32.00	WCMX06T308	BEHR04	Q15
SD33-4D-C32	33.00	217.00	134.00	157.00	60.00	32.00	WCMX06T308	BEHR04	Q15
SD33.5-4D-C32	33.50	218.00	136.00	158.00	60.00	32.00	WCMX06T308	BEHR04	Q15
SD34-4D-C32	34.00	220.00	138.00	160.00	60.00	32.00	WCMX06T308	BEHR04	Q15

刀片Insert → DE010

浅孔钻 High Speed Drill

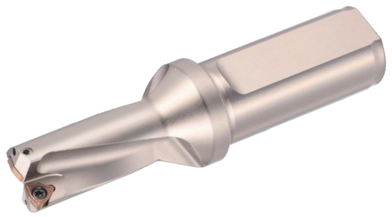
DILD | SD-U钻（4D） Type-SD-U Drill (4D)

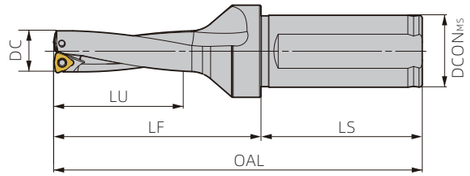
分体式钻头 Split Drill

型号 Specification	DC	OAL	LU	LF	LS	DCONMS	刀片 Insert	刀片螺钉 Screw	扳手 Wrench
SD34.5-4D-C32	34.50	221.00	140.00	161.00	60.00	32.00	WCMX06T308	BEHR04	Q15
SD35-4D-C32	35.00	225.00	142.00	165.00	60.00	32.00	WCMX06T308	BEHR04	Q15
SD35.5-4D-C32	35.50	226.00	144.00	166.00	60.00	32.00	WCMX06T308	BEHR04	Q15
SD36-4D-C32	36.00	229.00	146.00	169.00	60.00	32.00	WCMX06T308	BEHR04	Q15
SD36.5-4D-C32	36.50	231.00	148.00	171.00	60.00	32.00	WCMX06T308	BEHR04	Q15
SD37-4D-C32	37.00	233.00	150.00	173.00	60.00	32.00	WCMX06T308	BEHR04	Q15
SD37.5-4D-C32	37.50	236.00	152.00	176.00	60.00	32.00	WCMX06T308	BEHR04	Q15
SD38-4D-C32	38.00	234.50	154.00	174.50	60.00	32.00	WCMX06T308	BEHR04	Q15
SD38.5-4D-C32	38.50	236.50	156.00	176.50	60.00	32.00	WCMX06T308	BEHR04	Q15
SD39-4D-C32	39.00	240.00	158.00	180.00	60.00	32.00	WCMX06T308	BEHR04	Q15
SD39.5-4D-C32	39.50	239.00	160.00	179.00	60.00	32.00	WCMX06T308	BEHR04	Q15
SD40-4D-C32	40.00	240.00	162.00	180.00	60.00	32.00	WCMX06T308	BEHR04	Q15
SD40.5-4D-C32	40.50	241.00	164.00	181.00	60.00	32.00	WCMX06T308	BEHR04	Q15
SD41-4D-C32	41.00	246.00	166.00	186.00	60.00	32.00	WCMX06T308	BEHR04	Q15
SD41.5-4D-C32	41.50	245.00	168.00	185.00	60.00	32.00	WCMX06T308	BEHR04	Q15
SD42-4D-C40	42.00	265.00	170.00	195.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD42.5-4D-C40	42.50	267.00	172.00	197.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD43-4D-C40	43.00	269.00	174.00	199.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD43.5-4D-C40	43.50	271.00	176.00	201.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD44-4D-C40	44.00	273.00	178.00	203.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD44.5-4D-C40	44.50	275.00	180.00	205.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD45-4D-C40	45.00	277.00	182.00	207.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD45.5-4D-C40	45.50	279.00	184.00	209.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD46-4D-C40	46.00	281.00	186.00	211.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD46.5-4D-C40	46.50	283.00	188.00	213.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD47-4D-C40	47.00	285.00	190.00	215.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD47.5-4D-C40	47.50	287.00	192.00	217.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD48-4D-C40	48.00	289.00	194.00	219.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD48.5-4D-C40	48.50	291.00	196.00	221.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD49-4D-C40	49.00	293.00	198.00	223.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD49.5-4D-C40	49.50	295.00	200.00	225.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD50-4D-C40	50.00	297.00	202.00	227.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD50.5-4D-C40	50.50	299.00	204.00	229.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD51-4D-C40	51.00	301.00	206.00	231.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD52-4D-C40	52.00	305.00	210.00	235.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD53-4D-C40	53.00	309.00	214.00	239.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD54-4D-C40	54.00	313.00	218.00	243.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD55-4D-C40	55.00	317.00	222.00	247.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD56-4D-C40	56.00	321.00	226.00	251.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD57-4D-C40	57.00	325.00	230.00	255.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD58-4D-C40	58.00	329.00	234.00	259.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD59-4D-C40	59.00	333.00	238.00	263.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD60-4D-C40	60.00	337.00	242.00	267.00	70.00	40.00	WCMX080412	BEHR05	Q15
SD65-4D-C40	65.00	363.50	262.00	293.50	70.00	40.00	WCMX06T308	BEHR04	Q15
SD68-4D-C40	68.00	376.00	274.00	306.00	70.00	40.00	WCMX06T308	BEHR04	Q15
SD70-4D-C40	70.00	372.00	282.00	302.00	70.00	40.00	WCMX06T308	BEHR04	Q15

刀片Insert → DE010

DILD | SD-U钻（2D-C20）
Type-SD-U Drill (2D-C20)





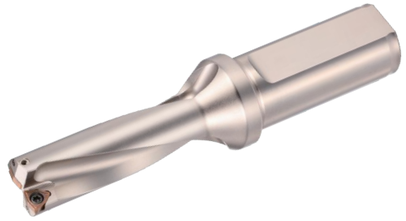
1.单位：mm
2.所有钻体应使用指定标识刀片
3.刀片单独订购

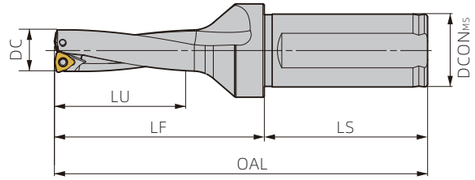
1.Unit：mm
2.All drill bodies shall use the specified identifying insert.
3.Insert ordered separately.

型号 Specification	DC	OAL	LU	LF	LS	DCONMS	刀片 Insert	刀片螺钉 Screw	扳手 Wrench
SD14-2D-C20	14.00	101.00	30.00	51.00	50.00	20.00	WCMX030208	BEHR02	Q08
SD14.5-2D-C20	14.50	102.00	31.00	52.00	50.00	20.00	WCMX030208	BEHR02	Q08
SD15-2D-C20	15.00	101.00	32.00	51.00	50.00	20.00	WCMX030208	BEHR02	Q08
SD15.5-2D-C20	15.50	102.00	33.00	52.00	50.00	20.00	WCMX030208	BEHR02	Q08
SD16-2D-C20	16.00	103.00	34.00	53.00	50.00	20.00	WCMX030208	BEHR02	Q08
SD16.5-2D-C20	16.50	104.00	35.00	54.00	50.00	20.00	WCMX030208	BEHR02	Q08
SD17-2D-C20	17.00	105.00	36.00	55.00	50.00	20.00	WCMX030208	BEHR02	Q08
SD17.5-2D-C20	17.50	106.00	37.00	56.00	50.00	20.00	WCMX030208	BEHR02	Q08
SD18-2D-C20	18.00	107.00	38.00	57.00	50.00	20.00	WCMX030208	BEHR02	Q08
SD18.5-2D-C20	18.50	108.00	39.00	58.00	50.00	20.00	WCMX030208	BEHR02	Q08
SD19-2D-C20	19.00	107.00	40.00	57.00	50.00	20.00	WCMX030208	BEHR02	Q08
SD19.5-2D-C20	19.50	108.00	41.00	58.00	50.00	20.00	WCMX030208	BEHR02	Q08
SD20-2D-C20	20.00	109.50	42.00	59.50	50.00	20.00	WCMX040208	BEHR02	Q08
SD20.5-2D-C20	20.50	111.00	43.00	61.00	50.00	20.00	WCMX040208	BEHR02	Q08
SD21-2D-C20	21.00	112.00	44.00	62.00	50.00	20.00	WCMX040208	BEHR02	Q08
SD21.5-2D-C20	21.50	113.00	45.00	63.00	50.00	20.00	WCMX040208	BEHR02	Q08
SD22-2D-C20	22.00	114.00	46.00	64.00	50.00	20.00	WCMX040208	BEHR02	Q08
SD22.5-2D-C20	22.50	115.00	47.00	65.00	50.00	20.00	WCMX040208	BEHR02	Q08
SD23-2D-C20	23.00	116.00	48.00	66.00	50.00	20.00	WCMX040208	BEHR02	Q08
SD23.5-2D-C20	23.50	117.00	49.00	67.00	50.00	20.00	WCMX040208	BEHR02	Q08

刀片Insert → DE010

DILD | SD-U钻（3D-C20）
Type-SD-U Drill (3D-C20)





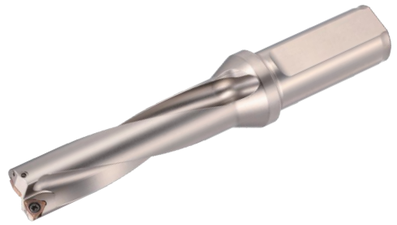
1.单位：mm
2.所有钻体应使用指定标识刀片
3.刀片单独订购

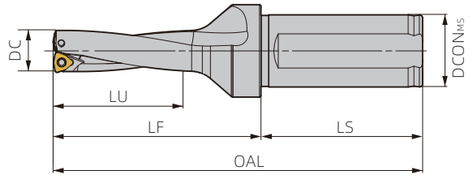
1.Unit：mm
2.All drill bodies shall use the specified identifying insert.
3.Insert ordered separately.

型号 Specification	DC	OAL	LU	LF	LS	DCONMS	刀片 Insert	刀片螺钉 Screw	扳手 Wrench
SD14-3D-C20	14.00	115.00	44.00	65.00	50.00	20.00	WCMX030208	BEHR02	Q08
SD14.5-3D-C20	14.50	116.50	45.50	66.50	50.00	20.00	WCMX030208	BEHR02	Q08
SD15-3D-C20	15.00	116.00	47.00	66.00	50.00	20.00	WCMX030208	BEHR02	Q08
SD15.5-3D-C20	15.50	117.50	48.50	67.50	50.00	20.00	WCMX030208	BEHR02	Q08
SD16-3D-C20	16.00	119.00	50.00	69.00	50.00	20.00	WCMX030208	BEHR02	Q08
SD16.5-3D-C20	16.50	120.50	51.50	70.50	50.00	20.00	WCMX030208	BEHR02	Q08
SD17-3D-C20	17.00	122.00	53.00	72.00	50.00	20.00	WCMX030208	BEHR02	Q08
SD17.5-3D-C20	17.50	123.50	54.50	73.50	50.00	20.00	WCMX030208	BEHR02	Q08
SD18-3D-C20	18.00	125.00	56.00	75.00	50.00	20.00	WCMX030208	BEHR02	Q08
SD18.5-3D-C20	18.50	126.50	57.50	76.50	50.00	20.00	WCMX030208	BEHR02	Q08
SD19-3D-C20	19.00	126.00	59.00	76.00	50.00	20.00	WCMX030208	BEHR02	Q08
SD19.5-3D-C20	19.50	127.50	60.50	77.50	50.00	20.00	WCMX030208	BEHR02	Q08
SD20-3D-C20	20.00	129.50	62.00	79.50	50.00	20.00	WCMX040208	BEHR02	Q08
SD20.5-3D-C20	20.50	131.50	63.50	81.50	50.00	20.00	WCMX040208	BEHR02	Q08
SD21-3D-C20	21.00	133.00	65.00	83.00	50.00	20.00	WCMX040208	BEHR02	Q08
SD21.5-3D-C20	21.50	134.50	66.50	84.50	50.00	20.00	WCMX040208	BEHR02	Q08
SD22-3D-C20	22.00	136.00	68.00	86.00	50.00	20.00	WCMX040208	BEHR02	Q08
SD22.5-3D-C20	22.50	137.50	69.50	87.50	50.00	20.00	WCMX040208	BEHR02	Q08
SD23-3D-C20	23.00	139.00	71.00	89.00	50.00	20.00	WCMX040208	BEHR02	Q08
SD23.5-3D-C20	23.50	140.50	72.50	90.50	50.00	20.00	WCMX040208	BEHR02	Q08

刀片Insert → DE010

DILD | SD-U钻（4D-C20）
Type-SD-U Drill (4D-C20)





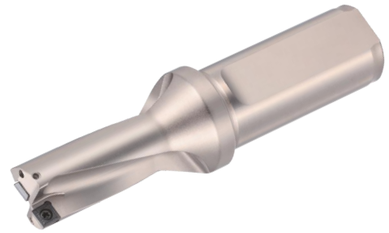
1.单位：mm
2.所有钻体应使用指定标识刀片
3.刀片单独订购

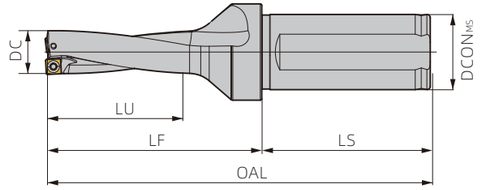
1.Unit：mm
2.All drill bodies shall use the specified identifying insert.
3.Insert ordered separately.

型号 Specification	DC	OAL	LU	LF	LS	DCONMS	刀片 Insert	刀片螺钉 Screw	扳手 Wrench
SD14-4D-C20	14.00	129.00	58.00	79.00	50.00	20.00	WCMX030208	BEHR02	Q08
SD14.5-4D-C20	14.50	131.00	60.00	81.00	50.00	20.00	WCMX030208	BEHR02	Q08
SD15-4D-C20	15.00	131.00	62.00	81.00	50.00	20.00	WCMX030208	BEHR02	Q08
SD15.5-4D-C20	15.50	133.00	64.00	83.00	50.00	20.00	WCMX030208	BEHR02	Q08
SD16-4D-C20	16.00	135.00	66.00	85.00	50.00	20.00	WCMX030208	BEHR02	Q08
SD16.5-4D-C20	16.50	137.00	68.00	87.00	50.00	20.00	WCMX030208	BEHR02	Q08
SD17-4D-C20	17.00	139.00	70.00	89.00	50.00	20.00	WCMX030208	BEHR02	Q08
SD17.5-4D-C20	17.50	141.00	72.00	91.00	50.00	20.00	WCMX030208	BEHR02	Q08
SD18-4D-C20	18.00	143.00	74.00	93.00	50.00	20.00	WCMX030208	BEHR02	Q08
SD18.5-4D-C20	18.50	145.00	76.00	95.00	50.00	20.00	WCMX030208	BEHR02	Q08
SD19-4D-C20	19.00	145.00	78.00	95.00	50.00	20.00	WCMX030208	BEHR02	Q08
SD19.5-4D-C20	19.50	147.00	80.00	97.00	50.00	20.00	WCMX030208	BEHR02	Q08
SD20-4D-C20	20.00	149.50	82.00	99.50	50.00	20.00	WCMX040208	BEHR02	Q08
SD20.5-4D-C20	20.50	152.00	84.00	102.00	50.00	20.00	WCMX040208	BEHR02	Q08
SD21-4D-C20	21.00	154.00	86.00	104.00	50.00	20.00	WCMX040208	BEHR02	Q08
SD21.5-4D-C20	21.50	156.00	88.00	106.00	50.00	20.00	WCMX040208	BEHR02	Q08
SD22-4D-C20	22.00	158.00	90.00	108.00	50.00	20.00	WCMX040208	BEHR02	Q08
SD22.5-4D-C20	22.50	160.00	92.00	110.00	50.00	20.00	WCMX040208	BEHR02	Q08
SD23-4D-C20	23.00	162.00	94.00	112.00	50.00	20.00	WCMX040208	BEHR02	Q08
SD23.5-4D-C20	23.50	164.00	96.00	114.00	50.00	20.00	WCMX040208	BEHR02	Q08

刀片Insert → DE010

DILD | SP-U钻（2D）
Type-SP-U Drill (2D)





1.单位：mm
2.所有钻体应使用指定标识刀片
3.刀片单独订购

1.Unit：mm
2.All drill bodies shall use the specified identifying insert.
3.Insert ordered separately.

型号 Specification	DC	OAL	LU	LF	LS	DCONMS	刀片 Insert	刀片螺钉 Screw	扳手 Wrench
SP12.5-2D-C20	12.50	96.00	27.00	46.00	50.00	20.00	SPMT050204	BEHR06	Q06
SP13-2D-C20	13.00	97.00	28.00	47.00	50.00	20.00	SPMT050204	BEHR06	Q06
SP13.5-2D-C20	13.50	98.00	29.00	48.00	50.00	20.00	SPMT050204	BEHR06	Q06
SP14-2D-C25	14.00	107.00	30.00	51.00	56.00	25.00	SPMT050204	BEHR06	Q06
SP14.5-2D-C25	14.50	108.00	31.00	52.00	56.00	25.00	SPMT050204	BEHR06	Q06
SP15-2D-C25	15.00	109.00	32.00	53.00	56.00	25.00	SPMT050204	BEHR06	Q06
SP15.5-2D-C25	15.50	110.00	33.00	54.00	56.00	25.00	SPMT050204	BEHR06	Q06
SP16-2D-C25	16.00	111.00	34.00	55.00	56.00	25.00	SPMT060204	BEHR07	Q07
SP16.5-2D-C25	16.50	112.00	35.00	56.00	56.00	25.00	SPMT060204	BEHR07	Q07
SP17-2D-C25	17.00	111.00	36.00	55.00	56.00	25.00	SPMT060204	BEHR07	Q07
SP17.5-2D-C25	17.50	112.00	37.00	56.00	56.00	25.00	SPMT060204	BEHR07	Q07
SP18-2D-C25	18.00	112.00	38.00	56.00	56.00	25.00	SPMT060204	BEHR07	Q07
SP18.5-2D-C25	18.50	113.00	39.00	57.00	56.00	25.00	SPMT060204	BEHR07	Q07
SP19-2D-C25	19.00	113.00	40.00	57.00	56.00	25.00	SPMT060204	BEHR07	Q07
SP19.5-2D-C25	19.50	114.00	41.00	58.00	56.00	25.00	SPMT060204	BEHR07	Q07
SP20-2D-C25	20.00	117.00	42.00	61.00	56.00	25.00	SPMT060204	BEHR07	Q07
SP20.5-2D-C25	20.50	118.00	43.00	62.00	56.00	25.00	SPMT060204	BEHR07	Q07
SP21-2D-C25	21.00	119.00	44.00	63.00	56.00	25.00	SPMT060204	BEHR07	Q07
SP21.5-2D-C25	21.50	120.00	45.00	64.00	56.00	25.00	SPMT060204	BEHR07	Q07
SP22-2D-C25	22.00	121.00	46.00	65.00	56.00	25.00	SPMT07T308	BEHR08	Q08
SP22.5-2D-C25	22.50	122.00	47.00	66.00	56.00	25.00	SPMT07T308	BEHR08	Q08
SP23-2D-C25	23.00	123.00	48.00	67.00	56.00	25.00	SPMT07T308	BEHR08	Q08
SP23.5-2D-C25	23.50	124.00	49.00	68.00	56.00	25.00	SPMT07T308	BEHR08	Q08
SP24-2D-C25	24.00	125.00	50.00	69.00	56.00	25.00	SPMT07T308	BEHR08	Q08
SP24.5-2D-C25	24.50	126.00	51.00	70.00	56.00	25.00	SPMT07T308	BEHR08	Q08
SP25-2D-C25	25.00	128.00	52.00	72.00	56.00	25.00	SPMT07T308	BEHR08	Q08
SP25-2D-C32	25.00	137.00	52.00	77.00	60.00	32.00	SPMT07T308	BEHR08	Q08
SP25.5-2D-C32	25.50	138.00	53.00	78.00	60.00	32.00	SPMT07T308	BEHR08	Q08
SP26-2D-C32	26.00	139.00	54.00	79.00	60.00	32.00	SPMT07T308	BEHR08	Q08
SP26.5-2D-C32	26.50	140.00	55.00	80.00	60.00	32.00	SPMT07T308	BEHR08	Q08
SP27-2D-C32	27.00	141.00	56.00	81.00	60.00	32.00	SPMT07T308	BEHR08	Q08
SP27.5-2D-C32	27.50	142.00	57.00	82.00	60.00	32.00	SPMT07T308	BEHR08	Q08
SP28-2D-C32	28.00	143.00	58.00	83.00	60.00	32.00	SPMT090408	BEHR09	Q15
SP28.5-2D-C32	28.50	144.00	59.00	84.00	60.00	32.00	SPMT090408	BEHR09	Q15
SP29-2D-C32	29.00	145.00	60.00	85.00	60.00	32.00	SPMT090408	BEHR09	Q15
SP29.5-2D-C32	29.50	146.00	61.00	86.00	60.00	32.00	SPMT090408	BEHR09	Q15
SP30-2D-C32	30.00	144.00	62.00	84.00	60.00	32.00	SPMT090408	BEHR09	Q15
SP30.5-2D-C32	30.50	145.00	63.00	85.00	60.00	32.00	SPMT090408	BEHR09	Q15
SP31-2D-C32	31.00	146.00	64.00	86.00	60.00	32.00	SPMT090408	BEHR09	Q15
SP31.5-2D-C32	31.50	147.00	65.00	87.00	60.00	32.00	SPMT090408	BEHR09	Q15
SP32-2D-C32	32.00	148.00	66.00	88.00	60.00	32.00	SPMT090408	BEHR09	Q15
SP32.5-2D-C32	32.50	149.00	67.00	89.00	60.00	32.00	SPMT090408	BEHR09	Q15

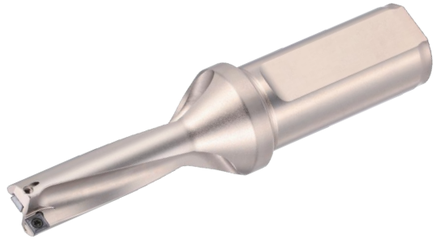
刀片Insert → DE008

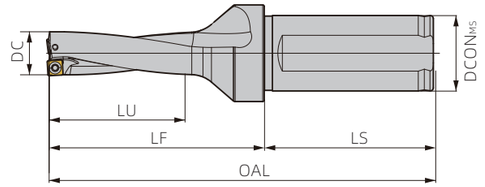
DILD | SP-U钻（2D） Type-SP-U Drill (2D)

型号 Specification	DC	OAL	LU	LF	LS	DCONMS	刀片 Insert	刀片螺钉 Screw	扳手 Wrench
SP33-2D-C32	33.00	150.00	68.00	90.00	60.00	32.00	SPMT110408	BEHR0a	Q15
SP33.5-2D-C32	33.50	151.00	69.00	91.00	60.00	32.00	SPMT110408	BEHR0a	Q15
SP34-2D-C32	34.00	156.00	70.00	96.00	60.00	32.00	SPMT110408	BEHR0a	Q15
SP34.5-2D-C32	34.50	157.00	71.00	97.00	60.00	32.00	SPMT110408	BEHR0a	Q15
SP35-2D-C32	35.00	158.00	72.00	98.00	60.00	32.00	SPMT110408	BEHR0a	Q15
SP35.5-2D-C32	35.50	159.00	73.00	99.00	60.00	32.00	SPMT110408	BEHR0a	Q15
SP36-2D-C32	36.00	160.00	74.00	100.00	60.00	32.00	SPMT110408	BEHR0a	Q15
SP36.5-2D-C32	36.50	161.00	75.00	101.00	60.00	32.00	SPMT110408	BEHR0a	Q15
SP37-2D-C32	37.00	161.00	76.00	101.00	60.00	32.00	SPMT110408	BEHR0a	Q15
SP37.5-2D-C32	37.50	162.00	77.00	102.00	60.00	32.00	SPMT110408	BEHR0a	Q15
SP38-2D-C32	38.00	163.00	78.00	103.00	60.00	32.00	SPMT110408	BEHR0a	Q15
SP38.5-2D-C32	38.50	164.00	79.00	104.00	60.00	32.00	SPMT110408	BEHR0a	Q15
SP39-2D-C32	39.00	165.00	80.00	105.00	60.00	32.00	SPMT110408	BEHR0a	Q15
SP39.5-2D-C32	39.50	166.00	81.00	106.00	60.00	32.00	SPMT110408	BEHR0a	Q15
SP40-2D-C32	40.00	167.00	82.00	107.00	60.00	32.00	SPMT110408	BEHR0a	Q15
SP40.5-2D-C32	40.50	168.00	83.00	108.00	60.00	32.00	SPMT110408	BEHR0a	Q15
SP41-2D-C32	41.00	169.00	84.00	109.00	60.00	32.00	SPMT110408	BEHR0a	Q15
SP42-2D-C40	42.00	179.00	86.00	109.00	70.00	40.00	SPMT140512	BEHR0b	Q20
SP43-2D-C40	43.00	181.00	88.00	111.00	70.00	40.00	SPMT140512	BEHR0b	Q20
SP44-2D-C40	44.00	186.00	90.00	116.00	70.00	40.00	SPMT140512	BEHR0b	Q20
SP45-2D-C40	45.00	188.00	92.00	118.00	70.00	40.00	SPMT140512	BEHR0b	Q20
SP46-2D-C40	46.00	191.00	94.00	121.00	70.00	40.00	SPMT140512	BEHR0b	Q20
SP47-2D-C40	47.00	193.00	96.00	123.00	70.00	40.00	SPMT140512	BEHR0b	Q20
SP48-2D-C40	48.00	195.00	98.00	125.00	70.00	40.00	SPMT140512	BEHR0b	Q20
SP49-2D-C40	49.00	197.00	100.00	127.00	70.00	40.00	SPMT140512	BEHR0b	Q20
SP50-2D-C40	50.00	199.00	102.00	129.00	70.00	40.00	SPMT140512	BEHR0b	Q20
SP51-2D-C40	51.00	201.00	104.00	131.00	70.00	40.00	SPMT07T308	BEHR08	Q08
SP52-2D-C40	52.00	203.00	106.00	133.00	70.00	40.00	SPMT07T308	BEHR08	Q08
SP53-2D-C40	53.00	205.00	108.00	135.00	70.00	40.00	SPMT07T308	BEHR08	Q08
SP54-2D-C40	54.00	207.00	110.00	137.00	70.00	40.00	SPMT07T308	BEHR08	Q08
SP55-2D-C40	55.00	209.00	112.00	139.00	70.00	40.00	SPMT07T308	BEHR08	Q08
SP56-2D-C40	56.00	211.00	114.00	141.00	70.00	40.00	SPMT090408	BEHR09	Q15
SP57-2D-C40	57.00	213.00	116.00	143.00	70.00	40.00	SPMT090408	BEHR09	Q15
SP58-2D-C40	58.00	215.00	118.00	145.00	70.00	40.00	SPMT090408	BEHR09	Q15
SP59-2D-C40	59.00	218.00	120.00	148.00	70.00	40.00	SPMT090408	BEHR09	Q15
SP60-2D-C40	60.00	220.00	122.00	150.00	70.00	40.00	SPMT090408	BEHR09	Q15

刀片Insert → DE008

DILD | SP-U钻（3D） Type-SP-U Drill (3D)





1.单位：mm
2.所有钻体应使用指定标识刀片
3.刀片单独订购

1.Unit：mm
2.All drill bodies shall use the specified identifying insert.
3.Insert ordered separately.

型号 Specification	DC	OAL	LU	LF	LS	DCONMS	刀片 Insert	刀片螺钉 Screw	扳手 Wrench
SP12.5-3D-C20	12.50	108.50	39.50	58.50	50.00	20.00	SPMT050204	BEHR06	Q06
SP13-3D-C20	13.00	110.00	41.00	60.00	50.00	20.00	SPMT050204	BEHR06	Q06
SP13.5-3D-C20	13.50	111.50	42.50	61.50	50.00	20.00	SPMT050204	BEHR06	Q06
SP14-3D-C25	14.00	121.00	44.00	65.00	56.00	25.00	SPMT050204	BEHR06	Q06
SP14.5-3D-C25	14.50	122.50	45.50	66.50	56.00	25.00	SPMT050204	BEHR06	Q06
SP15-3D-C25	15.00	124.00	47.00	68.00	56.00	25.00	SPMT050204	BEHR06	Q06
SP15.5-3D-C25	15.50	125.50	48.50	69.50	56.00	25.00	SPMT050204	BEHR06	Q06
SP16-3D-C25	16.00	127.00	50.00	71.00	56.00	25.00	SPMT060204	BEHR07	Q07
SP16.5-3D-C25	16.50	128.50	51.50	72.50	56.00	25.00	SPMT060204	BEHR07	Q07
SP17-3D-C25	17.00	128.00	53.00	72.00	56.00	25.00	SPMT060204	BEHR07	Q07
SP17.5-3D-C25	17.50	129.50	54.50	73.50	56.00	25.00	SPMT060204	BEHR07	Q07
SP18-3D-C25	18.00	130.00	56.00	74.00	56.00	25.00	SPMT060204	BEHR07	Q07
SP18.5-3D-C25	18.50	131.50	57.50	75.50	56.00	25.00	SPMT060204	BEHR07	Q07
SP19-3D-C25	19.00	132.00	59.00	76.00	56.00	25.00	SPMT060204	BEHR07	Q07
SP19.5-3D-C25	19.50	133.50	60.50	77.50	56.00	25.00	SPMT060204	BEHR07	Q07
SP20-3D-C25	20.00	137.00	62.00	81.00	56.00	25.00	SPMT060204	BEHR07	Q07
SP20.5-3D-C25	20.50	138.50	63.50	82.50	56.00	25.00	SPMT060204	BEHR07	Q07
SP21-3D-C25	21.00	140.00	65.00	84.00	56.00	25.00	SPMT060204	BEHR07	Q07
SP21.5-3D-C25	21.50	141.50	66.50	85.50	56.00	25.00	SPMT060204	BEHR07	Q07
SP22-3D-C25	22.00	143.00	68.00	87.00	56.00	25.00	SPMT07T308	BEHR08	Q08
SP22.5-3D-C25	22.50	144.50	69.50	88.50	56.00	25.00	SPMT07T308	BEHR08	Q08
SP23-3D-C25	23.00	146.00	71.00	90.00	56.00	25.00	SPMT07T308	BEHR08	Q08
SP23.5-3D-C25	23.50	147.50	72.50	91.50	56.00	25.00	SPMT07T308	BEHR08	Q08
SP24-3D-C25	24.00	149.00	74.00	93.00	56.00	25.00	SPMT07T308	BEHR08	Q08
SP24.5-3D-C25	24.50	150.50	75.50	94.50	56.00	25.00	SPMT07T308	BEHR08	Q08
SP25-3D-C25	25.00	153.00	77.00	97.00	56.00	25.00	SPMT07T308	BEHR08	Q08
SP25-3D-C32	25.00	162.00	77.00	102.00	60.00	32.00	SPMT07T308	BEHR08	Q08
SP25.5-3D-C32	25.50	163.50	78.50	103.50	60.00	32.00	SPMT07T308	BEHR08	Q08
SP26-3D-C32	26.00	165.00	80.00	105.00	60.00	32.00	SPMT07T308	BEHR08	Q08
SP26.5-3D-C32	26.50	166.50	81.50	106.50	60.00	32.00	SPMT07T308	BEHR08	Q08
SP27-3D-C32	27.00	168.00	83.00	108.00	60.00	32.00	SPMT07T308	BEHR08	Q08
SP27.5-3D-C32	27.50	169.50	84.50	109.50	60.00	32.00	SPMT07T308	BEHR08	Q08
SP28-3D-C32	28.00	171.00	86.00	111.00	60.00	32.00	SPMT090408	BEHR09	Q15
SP28.5-3D-C32	28.50	172.50	87.50	122.50	60.00	32.00	SPMT090408	BEHR09	Q15
SP29-3D-C32	29.00	174.00	89.00	114.00	60.00	32.00	SPMT090408	BEHR09	Q15
SP29.5-3D-C32	29.50	175.50	90.50	115.50	60.00	32.00	SPMT090408	BEHR09	Q15
SP30-3D-C32	30.00	174.00	92.00	114.00	60.00	32.00	SPMT090408	BEHR09	Q15
SP30.5-3D-C32	30.50	175.50	93.50	115.50	60.00	32.00	SPMT090408	BEHR09	Q15
SP31-3D-C32	31.00	177.00	95.00	117.00	60.00	32.00	SPMT090408	BEHR09	Q15
SP31.5-3D-C32	31.50	178.50	96.50	118.50	60.00	32.00	SPMT090408	BEHR09	Q15
SP32-3D-C32	32.00	180.00	98.00	120.00	60.00	32.00	SPMT090408	BEHR09	Q15
SP32.5-3D-C32	32.50	181.50	99.50	121.50	60.00	32.00	SPMT090408	BEHR09	Q15

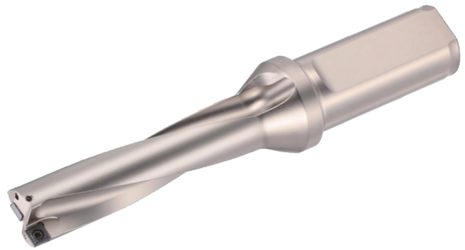
刀片Insert → DE008

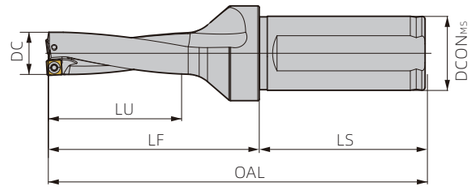
DILD | SP-U钻（3D） Type-SP-U Drill (3D)

型号 Specification	DC	OAL	LU	LF	LS	DCONMS	刀片 Insert	刀片螺钉 Screw	扳手 Wrench
SP33-3D-C32	33.00	183.00	101.00	123.00	60.00	32.00	SPMT110408	BEHR0a	Q15
SP33.5-3D-C32	33.50	184.50	102.50	124.50	60.00	32.00	SPMT110408	BEHR0a	Q15
SP34-3D-C32	34.00	191.50	104.00	131.50	60.00	32.00	SPMT110408	BEHR0a	Q15
SP34.5-3D-C32	34.50	191.50	105.50	131.50	60.00	32.00	SPMT110408	BEHR0a	Q15
SP35-3D-C32	35.00	193.00	107.00	133.00	60.00	32.00	SPMT110408	BEHR0a	Q15
SP35.5-3D-C32	35.50	194.50	108.50	134.50	60.00	32.00	SPMT110408	BEHR0a	Q15
SP36-3D-C32	36.00	196.00	110.00	136.00	60.00	32.00	SPMT110408	BEHR0a	Q15
SP36.5-3D-C32	36.50	197.50	111.50	137.50	60.00	32.00	SPMT110408	BEHR0a	Q15
SP37-3D-C32	37.00	198.00	113.00	138.00	60.00	32.00	SPMT110408	BEHR0a	Q15
SP37.5-3D-C32	37.50	199.50	114.50	139.50	60.00	32.00	SPMT110408	BEHR0a	Q15
SP38-3D-C32	38.00	201.00	116.00	141.00	60.00	32.00	SPMT110408	BEHR0a	Q15
SP38.5-3D-C32	38.50	202.50	117.50	142.50	60.00	32.00	SPMT110408	BEHR0a	Q15
SP39-3D-C32	39.00	204.00	119.00	144.00	60.00	32.00	SPMT110408	BEHR0a	Q15
SP39.5-3D-C32	39.50	205.50	120.50	145.50	60.00	32.00	SPMT110408	BEHR0a	Q15
SP40-3D-C32	40.00	207.00	122.00	147.00	60.00	32.00	SPMT110408	BEHR0a	Q15
SP40.5-3D-C32	40.50	208.50	123.50	148.50	60.00	32.00	SPMT110408	BEHR0a	Q15
SP41-3D-C32	41.00	210.00	125.00	150.00	60.00	32.00	SPMT110408	BEHR0a	Q15
SP42-3D-C40	42.00	221.00	128.00	151.00	70.00	40.00	SPMT140512	BEHR0b	Q20
SP43-3D-C40	43.00	224.00	131.00	154.00	70.00	40.00	SPMT140512	BEHR0b	Q20
SP44-3D-C40	44.00	230.00	134.00	160.00	70.00	40.00	SPMT140512	BEHR0b	Q20
SP45-3D-C40	45.00	233.00	137.00	163.00	70.00	40.00	SPMT140512	BEHR0b	Q20
SP46-3D-C40	46.00	237.00	140.00	167.00	70.00	40.00	SPMT140512	BEHR0b	Q20
SP47-3D-C40	47.00	240.00	143.00	170.00	70.00	40.00	SPMT140512	BEHR0b	Q20
SP48-3D-C40	48.00	243.00	146.00	173.00	70.00	40.00	SPMT140512	BEHR0b	Q20
SP49-3D-C40	49.00	246.00	149.00	176.00	70.00	40.00	SPMT140512	BEHR0b	Q20
SP50-3D-C40	50.00	249.00	152.00	179.00	70.00	40.00	SPMT140512	BEHR0b	Q20
SP51-3D-C40	51.00	252.00	155.00	182.00	70.00	40.00	SPMT07T308	BEHR08	Q08
SP52-3D-C40	52.00	255.00	158.00	185.00	70.00	40.00	SPMT07T308	BEHR08	Q08
SP53-3D-C40	53.00	258.00	161.00	188.00	70.00	40.00	SPMT07T308	BEHR08	Q08
SP54-3D-C40	54.00	261.00	164.00	191.00	70.00	40.00	SPMT07T308	BEHR08	Q08
SP55-3D-C40	55.00	264.00	167.00	194.00	70.00	40.00	SPMT07T308	BEHR08	Q08
SP56-3D-C40	56.00	267.00	170.00	197.00	70.00	40.00	SPMT090408	BEHR09	Q15
SP57-3D-C40	57.00	270.00	173.00	200.00	70.00	40.00	SPMT090408	BEHR09	Q15
SP58-3D-C40	58.00	273.00	176.00	203.00	70.00	40.00	SPMT090408	BEHR09	Q15
SP59-3D-C40	59.00	277.00	179.00	207.00	70.00	40.00	SPMT090408	BEHR09	Q15
SP60-3D-C40	60.00	280.00	182.00	210.00	70.00	40.00	SPMT090408	BEHR09	Q15

刀片Insert → DE008

DILD | SP-U钻（4D） Type-SP-U Drill (4D)





1.单位：mm
2.所有钻体应使用指定标识刀片
3.刀片单独订购

1.Unit：mm
2.All drill bodies shall use the specified identifying insert.
3.Insert ordered separately.

型号 Specification	DC	OAL	LU	LF	LS	DCONMS	刀片 Insert	刀片螺钉 Screw	扳手 Wrench
SP12.5-4D-C20	12.50	121.00	52.00	71.00	50.00	20.00	SPMT050204	BEHR06	Q06
SP13-4D-C20	13.00	123.00	54.00	73.00	50.00	20.00	SPMT050204	BEHR06	Q06
SP13.5-4D-C20	13.50	125.00	56.00	75.00	50.00	20.00	SPMT050204	BEHR06	Q06
SP14-4D-C25	14.00	135.00	58.00	79.00	56.00	25.00	SPMT050204	BEHR06	Q06
SP14.5-4D-C25	14.50	137.00	60.00	81.00	56.00	25.00	SPMT050204	BEHR06	Q06
SP15-4D-C25	15.00	139.00	62.00	83.00	56.00	25.00	SPMT050204	BEHR06	Q06
SP15.5-4D-C25	15.50	141.00	64.00	85.00	56.00	25.00	SPMT050204	BEHR06	Q06
SP16-4D-C25	16.00	143.00	66.00	87.00	56.00	25.00	SPMT060204	BEHR07	Q07
SP16.5-4D-C25	16.50	145.00	68.00	89.00	56.00	25.00	SPMT060204	BEHR07	Q07
SP17-4D-C25	17.00	145.00	70.00	89.00	56.00	25.00	SPMT060204	BEHR07	Q07
SP17.5-4D-C25	17.50	147.00	72.00	91.00	56.00	25.00	SPMT060204	BEHR07	Q07
SP18-4D-C25	18.00	148.00	74.00	92.00	56.00	25.00	SPMT060204	BEHR07	Q07
SP18.5-4D-C25	18.50	150.00	76.00	94.00	56.00	25.00	SPMT060204	BEHR07	Q07
SP19-4D-C25	19.00	151.00	78.00	95.00	56.00	25.00	SPMT060204	BEHR07	Q07
SP19.5-4D-C25	19.50	153.00	80.00	97.00	56.00	25.00	SPMT060204	BEHR07	Q07
SP20-4D-C25	20.00	157.00	82.00	101.00	56.00	25.00	SPMT060204	BEHR07	Q07
SP20.5-4D-C25	20.50	159.00	84.00	103.00	56.00	25.00	SPMT060204	BEHR07	Q07
SP21-4D-C25	21.00	161.00	86.00	105.00	56.00	25.00	SPMT060204	BEHR07	Q07
SP21.5-4D-C25	21.50	163.00	88.00	107.00	56.00	25.00	SPMT060204	BEHR07	Q07
SP22-4D-C25	22.00	165.00	90.00	109.00	56.00	25.00	SPMT07T308	BEHR08	Q08
SP22.5-4D-C25	22.50	167.00	92.00	111.00	56.00	25.00	SPMT07T308	BEHR08	Q08
SP23-4D-C25	23.00	169.00	94.00	113.00	56.00	25.00	SPMT07T308	BEHR08	Q08
SP23.5-4D-C25	23.50	171.00	96.00	115.00	56.00	25.00	SPMT07T308	BEHR08	Q08
SP24-4D-C25	24.00	173.00	98.00	117.00	56.00	25.00	SPMT07T308	BEHR08	Q08
SP24.5-4D-C25	24.50	175.00	100.00	119.00	56.00	25.00	SPMT07T308	BEHR08	Q08
SP25-4D-C25	25.00	178.00	102.00	122.00	56.00	25.00	SPMT07T308	BEHR08	Q08
SP25-4D-C32	25.00	187.00	102.00	127.00	60.00	32.00	SPMT07T308	BEHR08	Q08
SP25.5-4D-C32	25.50	189.00	104.00	129.00	60.00	32.00	SPMT07T308	BEHR08	Q08
SP26-4D-C32	26.00	191.00	106.00	131.00	60.00	32.00	SPMT07T308	BEHR08	Q08
SP26.5-4D-C32	26.50	193.00	108.00	133.00	60.00	32.00	SPMT07T308	BEHR08	Q08
SP27-4D-C32	27.00	195.00	110.00	135.00	60.00	32.00	SPMT07T308	BEHR08	Q08
SP27.5-4D-C32	27.50	197.00	112.00	137.00	60.00	32.00	SPMT07T308	BEHR08	Q08
SP28-4D-C32	28.00	199.00	114.00	139.00	60.00	32.00	SPMT090408	BEHR09	Q15
SP28.5-4D-C32	28.50	201.00	116.00	141.00	60.00	32.00	SPMT090408	BEHR09	Q15
SP29-4D-C32	29.00	203.00	118.00	143.00	60.00	32.00	SPMT090408	BEHR09	Q15
SP29.5-4D-C32	29.50	205.00	120.00	145.00	60.00	32.00	SPMT090408	BEHR09	Q15
SP30-4D-C32	30.00	204.00	122.00	144.00	60.00	32.00	SPMT090408	BEHR09	Q15
SP30.5-4D-C32	30.50	206.00	124.00	146.00	60.00	32.00	SPMT090408	BEHR09	Q15
SP31-4D-C32	31.00	208.00	126.00	148.00	60.00	32.00	SPMT090408	BEHR09	Q15
SP31.5-4D-C32	31.50	210.00	128.00	150.00	60.00	32.00	SPMT090408	BEHR09	Q15
SP32-4D-C32	32.00	212.00	130.00	152.00	60.00	32.00	SPMT090408	BEHR09	Q15
SP32.5-4D-C32	32.50	214.00	132.00	154.00	60.00	32.00	SPMT090408	BEHR09	Q15

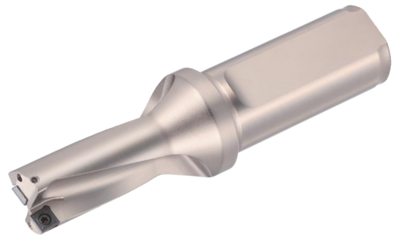
刀片Insert → DE008

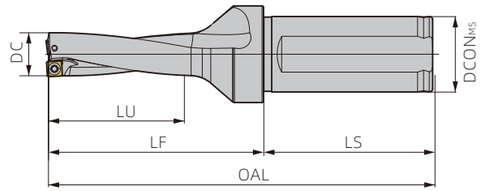
DILD | SP-U钻（4D）
Type-SP-U Drill (4D)

型号 Specification	DC	OAL	LU	LF	LS	DCONMS	刀片 Insert	刀片螺钉 Screw	扳手 Wrench
SP33-4D-C32	33.00	216.00	134.00	156.00	60.00	32.00	SPMT110408	BEHR0a	Q15
SP33.5-4D-C32	33.50	218.00	136.00	158.00	60.00	32.00	SPMT110408	BEHR0a	Q15
SP34-4D-C32	34.00	224.00	138.00	164.00	60.00	32.00	SPMT110408	BEHR0a	Q15
SP34.5-4D-C32	34.50	226.00	140.00	166.00	60.00	32.00	SPMT110408	BEHR0a	Q15
SP35-4D-C32	35.00	228.00	142.00	168.00	60.00	32.00	SPMT110408	BEHR0a	Q15
SP35.5-4D-C32	35.50	230.00	144.00	170.00	60.00	32.00	SPMT110408	BEHR0a	Q15
SP36-4D-C32	36.00	232.00	146.00	172.00	60.00	32.00	SPMT110408	BEHR0a	Q15
SP36.5-4D-C32	36.50	234.00	148.00	174.00	60.00	32.00	SPMT110408	BEHR0a	Q15
SP37-4D-C32	37.00	235.00	150.00	175.00	60.00	32.00	SPMT110408	BEHR0a	Q15
SP37.5-4D-C32	37.50	237.00	152.00	177.00	60.00	32.00	SPMT110408	BEHR0a	Q15
SP38-4D-C32	38.00	239.00	154.00	179.00	60.00	32.00	SPMT110408	BEHR0a	Q15
SP38.5-4D-C32	38.50	241.00	156.00	181.00	60.00	32.00	SPMT110408	BEHR0a	Q15
SP39-4D-C32	39.00	243.00	158.00	183.00	60.00	32.00	SPMT110408	BEHR0a	Q15
SP39.5-4D-C32	39.50	245.00	160.00	185.00	60.00	32.00	SPMT110408	BEHR0a	Q15
SP40-4D-C32	40.00	247.00	162.00	187.00	60.00	32.00	SPMT110408	BEHR0a	Q15
SP40.5-4D-C32	40.50	249.00	164.00	189.00	60.00	32.00	SPMT110408	BEHR0a	Q15
SP41-4D-C32	41.00	251.00	166.00	191.00	60.00	32.00	SPMT110408	BEHR0a	Q15
SP42-4D-C40	42.00	263.00	170.00	193.00	70.00	40.00	SPMT140512	BEHR0b	Q20
SP43-4D-C40	43.00	267.00	174.00	197.00	70.00	40.00	SPMT140512	BEHR0b	Q20
SP44-4D-C40	44.00	274.00	178.00	204.00	70.00	40.00	SPMT140512	BEHR0b	Q20
SP45-4D-C40	45.00	278.00	182.00	208.00	70.00	40.00	SPMT140512	BEHR0b	Q20
SP46-4D-C40	46.00	283.00	186.00	213.00	70.00	40.00	SPMT140512	BEHR0b	Q20
SP47-4D-C40	47.00	287.00	190.00	217.00	70.00	40.00	SPMT140512	BEHR0b	Q20
SP48-4D-C40	48.00	291.00	194.00	221.00	70.00	40.00	SPMT140512	BEHR0b	Q20
SP49-4D-C40	49.00	295.00	198.00	225.00	70.00	40.00	SPMT140512	BEHR0b	Q20
SP50-4D-C40	50.00	299.00	202.00	229.00	70.00	40.00	SPMT140512	BEHR0b	Q20
SP51-4D-C40	51.00	303.00	206.00	233.00	70.00	40.00	SPMT07T308	BEHR08	Q08
SP52-4D-C40	52.00	307.00	210.00	237.00	70.00	40.00	SPMT07T308	BEHR08	Q08
SP53-4D-C40	53.00	311.00	214.00	241.00	70.00	40.00	SPMT07T308	BEHR08	Q08
SP54-4D-C40	54.00	315.00	218.00	245.00	70.00	40.00	SPMT07T308	BEHR08	Q08
SP55-4D-C40	55.00	319.00	222.00	249.00	70.00	40.00	SPMT07T308	BEHR08	Q08
SP56-4D-C40	56.00	323.00	226.00	253.00	70.00	40.00	SPMT090408	BEHR09	Q15
SP57-4D-C40	57.00	327.00	230.00	257.00	70.00	40.00	SPMT090408	BEHR09	Q15
SP58-4D-C40	58.00	331.00	234.00	261.00	70.00	40.00	SPMT090408	BEHR09	Q15
SP59-4D-C40	59.00	336.00	238.00	266.00	70.00	40.00	SPMT090408	BEHR09	Q15
SP60-4D-C40	60.00	340.00	242.00	270.00	70.00	40.00	SPMT090408	BEHR09	Q15

刀片Insert → DE008

DILD | SP-U钻（2D-C20）
Type-SP-U Drill (2D-C20)





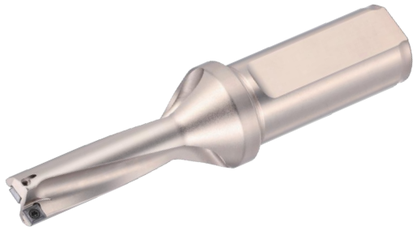
1.单位：mm
2.所有钻体应使用指定标识刀片
3.刀片单独订购

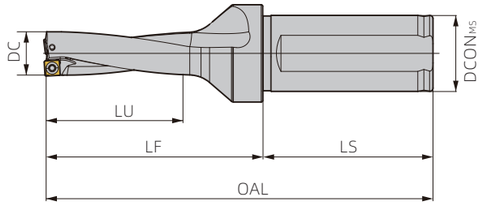
1.Unit：mm
2.All drill bodies shall use the specified identifying insert.
3.Insert ordered separately.

型号 Specification	DC	OAL	LU	LF	LS	DCONMS	刀片 Insert	刀片螺钉 Screw	扳手 Wrench
SP14-2D-C20	14.00	98.50	30.00	48.50	50.00	20.00	SPMT050204	BEHR06	Q06
SP14.5-2D-C20	14.50	100.00	31.00	50.00	50.00	20.00	SPMT050204	BEHR06	Q06
SP15-2D-C20	15.00	103.00	32.00	53.00	50.00	20.00	SPMT050204	BEHR06	Q06
SP15.5-2D-C20	15.50	104.00	33.00	54.00	50.00	20.00	SPMT050204	BEHR06	Q06
SP16-2D-C20	16.00	105.00	34.00	55.00	50.00	20.00	SPMT060204	BEHR07	Q07
SP16.5-2D-C20	16.50	106.00	35.00	56.00	50.00	20.00	SPMT060204	BEHR07	Q07
SP17-2D-C20	17.00	105.00	36.00	55.00	50.00	20.00	SPMT060204	BEHR07	Q07
SP17.5-2D-C20	17.50	106.00	37.00	56.00	50.00	20.00	SPMT060204	BEHR07	Q07
SP18-2D-C20	18.00	106.00	38.00	56.00	50.00	20.00	SPMT060204	BEHR07	Q07
SP18.5-2D-C20	18.50	107.00	39.00	57.00	50.00	20.00	SPMT060204	BEHR07	Q07
SP19-2D-C20	19.00	107.00	40.00	57.00	50.00	20.00	SPMT060204	BEHR07	Q07
SP19.5-2D-C20	19.50	108.00	41.00	58.00	50.00	20.00	SPMT060204	BEHR07	Q07
SP20-2D-C20	20.00	111.00	42.00	61.00	50.00	20.00	SPMT060204	BEHR07	Q07
SP20.5-2D-C20	20.50	112.00	43.00	62.00	50.00	20.00	SPMT060204	BEHR07	Q07
SP21-2D-C20	21.00	113.00	44.00	63.00	50.00	20.00	SPMT060204	BEHR07	Q07
SP21.5-2D-C20	21.50	114.00	45.00	64.00	50.00	20.00	SPMT060204	BEHR07	Q07
SP22-2D-C20	22.00	115.00	46.00	65.00	50.00	20.00	SPMT07T308	BEHR08	Q08
SP22.5-2D-C20	22.50	116.00	47.00	66.00	50.00	20.00	SPMT07T308	BEHR08	Q08
SP23-2D-C20	23.00	117.00	48.00	67.00	50.00	20.00	SPMT07T308	BEHR08	Q08
SP23.5-2D-C20	23.50	118.00	49.00	68.00	50.00	20.00	SPMT07T308	BEHR08	Q08

刀片Insert → DE008

DILD | SP-U钻（3D-C20）
Type-SP-U Drill (3D-C20)





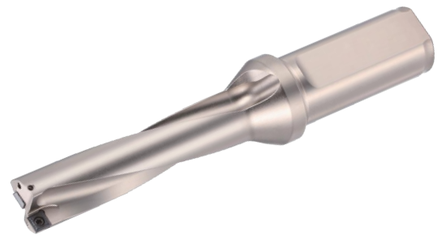
1.单位：mm
2.所有钻体应使用指定标识刀片
3.刀片单独订购

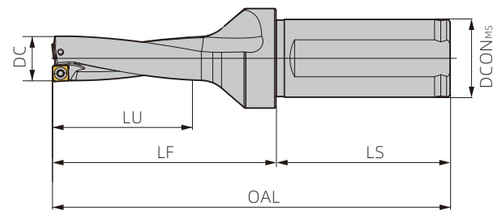
1.Unit：mm
2.All drill bodies shall use the specified identifying insert.
3.Insert ordered separately.

型号 Specification	DC	OAL	LU	LF	LS	DCONMS	刀片 Insert	刀片螺钉 Screw	扳手 Wrench
SP14-3D-C20	14.00	112.50	44.00	62.50	50.00	20.00	SPMT050204	BEHR06	Q06
SP14.5-3D-C20	14.50	114.50	45.50	64.50	50.00	20.00	SPMT050204	BEHR06	Q06
SP15-3D-C20	15.00	118.00	47.00	68.00	50.00	20.00	SPMT050204	BEHR06	Q06
SP15.5-3D-C20	15.50	119.50	48.50	69.50	50.00	20.00	SPMT050204	BEHR06	Q06
SP16-3D-C20	16.00	121.00	50.00	71.00	50.00	20.00	SPMT060204	BEHR07	Q07
SP16.5-3D-C20	16.50	122.50	51.50	72.50	50.00	20.00	SPMT060204	BEHR07	Q07
SP17-3D-C20	17.00	122.00	53.00	72.00	50.00	20.00	SPMT060204	BEHR07	Q07
SP17.5-3D-C20	17.50	123.50	54.50	73.50	50.00	20.00	SPMT060204	BEHR07	Q07
SP18-3D-C20	18.00	124.00	56.00	74.00	50.00	20.00	SPMT060204	BEHR07	Q07
SP18.5-3D-C20	18.50	125.50	57.50	75.50	50.00	20.00	SPMT060204	BEHR07	Q07
SP19-3D-C20	19.00	126.00	59.00	76.00	50.00	20.00	SPMT060204	BEHR07	Q07
SP19.5-3D-C20	19.50	127.50	60.50	77.50	50.00	20.00	SPMT060204	BEHR07	Q07
SP20-3D-C20	20.00	131.00	62.00	81.00	50.00	20.00	SPMT060204	BEHR07	Q07
SP20.5-3D-C20	20.50	132.50	63.50	82.50	50.00	20.00	SPMT060204	BEHR07	Q07
SP21-3D-C20	21.00	134.00	65.00	84.00	50.00	20.00	SPMT060204	BEHR07	Q07
SP21.5-3D-C20	21.50	135.50	66.50	85.50	50.00	20.00	SPMT060204	BEHR07	Q07
SP22-3D-C20	22.00	137.00	68.00	87.00	50.00	20.00	SPMT07T308	BEHR08	Q08
SP22.5-3D-C20	22.50	138.50	69.50	88.50	50.00	20.00	SPMT07T308	BEHR08	Q08
SP23-3D-C20	23.00	140.00	71.00	90.00	50.00	20.00	SPMT07T308	BEHR08	Q08
SP23.5-3D-C20	23.50	141.50	72.50	91.50	50.00	20.00	SPMT07T308	BEHR08	Q08

刀片Insert → DE008

DILD | SP-U钻（4D-C20）
Type-SP-U Drill (4D-C20)





1.单位：mm
2.所有钻体应使用指定标识刀片
3.刀片单独订购

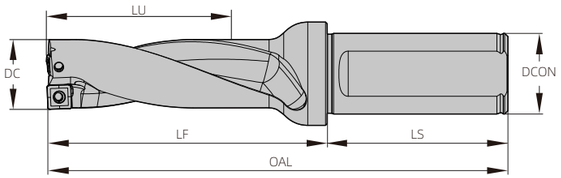
1.Unit：mm
2.All drill bodies shall use the specified identifying insert.
3.Insert ordered separately.

型号 Specification	DC	OAL	LU	LF	LS	DCONMS	刀片 Insert	刀片螺钉 Screw	扳手 Wrench
SP14-4D-C20	14.00	126.50	58.00	76.50	50.00	20.00	SPMT050204	BEHR06	Q06
SP14.5-4D-C20	14.50	129.00	60.00	79.00	50.00	20.00	SPMT050204	BEHR06	Q06
SP15-4D-C20	15.00	133.00	62.00	83.00	50.00	20.00	SPMT050204	BEHR06	Q06
SP15.5-4D-C20	15.50	135.00	64.00	85.00	50.00	20.00	SPMT050204	BEHR06	Q06
SP16-4D-C20	16.00	137.00	66.00	87.00	50.00	20.00	SPMT060204	BEHR07	Q07
SP16.5-4D-C20	16.50	139.00	68.00	89.00	50.00	20.00	SPMT060204	BEHR07	Q07
SP17-4D-C20	17.00	139.00	70.00	89.00	50.00	20.00	SPMT060204	BEHR07	Q07
SP17.5-4D-C20	17.50	141.00	72.00	91.00	50.00	20.00	SPMT060204	BEHR07	Q07
SP18-4D-C20	18.00	142.00	74.00	92.00	50.00	20.00	SPMT060204	BEHR07	Q07
SP18.5-4D-C20	18.50	144.00	76.00	94.00	50.00	20.00	SPMT060204	BEHR07	Q07
SP19-4D-C20	19.00	145.00	78.00	95.00	50.00	20.00	SPMT060204	BEHR07	Q07
SP19.5-4D-C20	19.50	147.00	80.00	97.00	50.00	20.00	SPMT060204	BEHR07	Q07
SP20-4D-C20	20.00	151.00	82.00	101.00	50.00	20.00	SPMT060204	BEHR07	Q07
SP20.5-4D-C20	20.50	153.00	84.00	103.00	50.00	20.00	SPMT060204	BEHR07	Q07
SP21-4D-C20	21.00	155.00	86.00	105.00	50.00	20.00	SPMT060204	BEHR07	Q07
SP21.5-4D-C20	21.50	157.00	88.00	107.00	50.00	20.00	SPMT060204	BEHR07	Q07
SP22-4D-C20	22.00	159.00	90.00	109.00	50.00	20.00	SPMT07T308	BEHR08	Q08
SP22.5-4D-C20	22.50	161.00	92.00	111.00	50.00	20.00	SPMT07T308	BEHR08	Q08
SP23-4D-C20	23.00	163.00	94.00	113.00	50.00	20.00	SPMT07T308	BEHR08	Q08
SP23.5-4D-C20	23.50	165.00	96.00	115.00	50.00	20.00	SPMT07T308	BEHR08	Q08

刀片Insert → DE008

DILD | MS-U钻（3D） Type-MS-U Drill (3D)





1.单位：mm
2.所有钻体应使用指定标识刀片
3.刀片单独订购

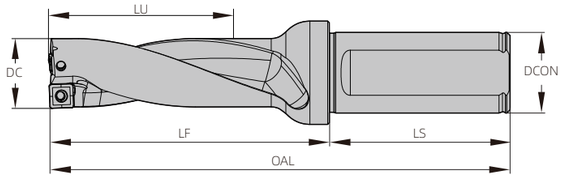
1.Unit：mm
2.All drill bodies shall use the specified identifying insert.
3.Insert ordered separately.

型号 Specification	DC	OAL	LU	LF	DCON	LS	刀片 Insert	螺钉 Screw	扳手 Wrench
MS14-3D-C20	14.0	108	45	58	20	50	SPGX0202../SCGX0202..	BBMS01	Q06IP
MS14.5-3D-C20	14.5	110	47	60	20	50	SPGX0202../SCGX0202..	BBMS01	Q06IP
MS15-3D-C20	15.0	112	50	62	20	50	SPGX0202../SCGX0202..	BBMS01	Q06IP
MS15.5-3D-C20	15.5	114	52	64	20	50	SPGX0202../SCGX0202..	BBMS01	Q06IP
MS16-3D-C20	16.0	116	51	66	20	50	SPGX0202../SCGX0202..	BBMS01	Q06IP
MS16.5-3D-C20	16.5	118	53	68	20	50	SPGX0303../SCGX0303..	BBMS02	Q07IP
MS17-3D-C25	17.0	125	54	69	25	56	SPGX0303../SCGX0303..	BBMS02	Q07IP
MS17.5-3D-C25	17.5	128	56	72	25	56	SPGX0303../SCGX0303..	BBMS02	Q07IP
MS18-3D-C25	18.0	129	58	72	25	56	SPGX0303../SCGX0303..	BBMS02	Q07IP
MS18.5-3D-C25	18.5	131	60	75	25	56	SPGX0303../SCGX0303..	BBMS02	Q07IP
MS19-3D-C25	19.0	132	60	76	25	56	SPGX0303../SCGX0303..	BBMS02	Q07IP
MS19.5-3D-C25	19.5	135	62	79	25	56	SPGX0303../SCGX0303..	BBMS02	Q07IP
MS20-3D-C25	20.0	137	64	81	25	56	SPGX0403../SCGX0403..	BBMS03	Q08IP
MS20.5-3D-C25	20.5	138	65	82	25	56	SPGX0403../SCGX0403..	BBMS03	Q08IP
MS21-3D-C25	21.0	140	67	84	25	56	SPGX0403../SCGX0403..	BBMS03	Q08IP
MS22-3D-C25	22.0	143	69	87	25	56	SPGX0403../SCGX0403..	BBMS03	Q08IP
MS23-3D-C25	23.0	147	72	91	25	56	SPGX0403../SCGX0403..	BBMS03	Q08IP
MS24-3D-C25	24.0	151	76	95	25	56	SPGX0503../SCGX0503..	BBMS04	Q09IP
MS25-3D-C25	25.0	155	79	99	25	56	SPGX0503../SCGX0503..	BBMS04	Q09IP
MS26-3D-C32	26.0	162	81	102	32	56	SPGX0503../SCGX0503..	BBMS04	Q09IP
MS27-3D-C32	27.0	165	85	105	32	60	SPGX0503../SCGX0503..	BBMS04	Q09IP
MS28-3D-C32	28.0	169	87	109	32	60	SPGX0503../SCGX0503..	BBMS04	Q09IP
MS29-3D-C32	29.0	172	91	112	32	60	SPGX0503../SCGX0503..	BBMS04	Q09IP
MS30-3D-C32	30.0	177	95	117	32	60	SPGX0604../SCGX0604..	BBMS05	Q10IP
MS31-3D-C40	31.0	191	98	121	40	60	SPGX0604../SCGX0604..	BBMS05	Q10IP
MS32-3D-C40	32.0	194	101	124	40	60	SPGX0604../SCGX0604..	BBMS05	Q10IP
MS33-3D-C40	33.0	198	104	128	40	60	SPGX0604../SCGX0604..	BBMS05	Q10IP
MS34-3D-C40	34.0	201	108	131	40	60	SPGX0604../SCGX0604..	BBMS05	Q10IP
MS35-3D-C40	35.0	205	112	135	40	60	SPGX0604../SCGX0604..	BBMS05	Q10IP
MS36-3D-C40	36.0	209	113	139	40	60	SPGX0704../SCGX0704..	BBMS06	Q10IP
MS37-3D-C40	37.0	212	117	142	40	60	SPGX0704../SCGX0704..	BBMS06	Q10IP
MS38-3D-C40	38.0	216	122	146	40	60	SPGX0704../SCGX0704..	BBMS06	Q10IP
MS39-3D-C40	39.0	219	125	149	40	60	SPGX0704../SCGX0704..	BBMS06	Q10IP
MS40-3D-C40	40.0	223	126	153	40	60	SPGX0704../SCGX0704..	BBMS06	Q10IP

刀片Insert → DE007-008

DILD | MS-U钻（4D） Type-MS-U Drill (4D)





1.单位：mm
2.所有钻体应使用指定标识刀片
3.刀片单独订购

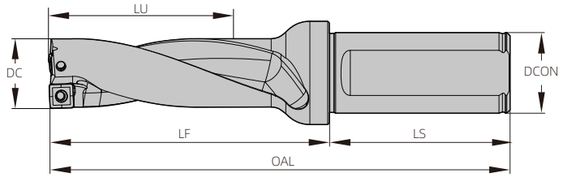
1.Unit：mm
2.All drill bodies shall use the specified identifying insert.
3.Insert ordered separately.

型号 Specification	DC	OAL	LU	LF	DCON	LS	刀片 Insert	螺钉 Screw	扳手 Wrench
MS14-4D-C20	14.0	122	60	72	20	50	SPGX0202../SCGX0202..	BBMS01	Q06IP
MS14.5-4D-C20	14.5	125	63	75	20	50	SPGX0202../SCGX0202..	BBMS01	Q06IP
MS15-4D-C20	15.0	127	64	77	20	50	SPGX0202../SCGX0202..	BBMS01	Q06IP
MS15.5-4D-C20	15.5	129	66	79	20	50	SPGX0202../SCGX0202..	BBMS01	Q06IP
MS16-4D-C20	16.0	132	67	82	20	50	SPGX0202../SCGX0202..	BBMS01	Q06IP
MS16.5-4D-C20	16.5	134	70	84	20	50	SPGX0303../SCGX0303..	BBMS02	Q07IP
MS17-4D-C25	17.0	142	72	86	25	56	SPGX0303../SCGX0303..	BBMS02	Q07IP
MS17.5-4D-C25	17.5	145	75	89	25	56	SPGX0303../SCGX0303..	BBMS02	Q07IP
MS18-4D-C25	18.0	147	76	91	25	56	SPGX0303../SCGX0303..	BBMS02	Q07IP
MS18.5-4D-C25	18.5	149	78	93	25	56	SPGX0303../SCGX0303..	BBMS02	Q07IP
MS19-4D-C25	19.0	151	79	95	25	56	SPGX0303../SCGX0303..	BBMS02	Q07IP
MS19.5-4D-C25	19.5	155	83	99	25	56	SPGX0303../SCGX0303..	BBMS02	Q07IP
MS20-4D-C25	20.0	157	84	101	25	56	SPGX0403../SCGX0403..	BBMS03	Q08IP
MS20.5-4D-C25	20.5	159	87	103	25	56	SPGX0403../SCGX0403..	BBMS03	Q08IP
MS21-4D-C25	21.0	161	88	105	25	56	SPGX0403../SCGX0403..	BBMS03	Q08IP
MS22-4D-C25	22.0	165	92	109	25	56	SPGX0403../SCGX0403..	BBMS03	Q08IP
MS23-4D-C25	23.0	170	99	114	25	56	SPGX0403../SCGX0403..	BBMS03	Q08IP
MS24-4D-C25	24.0	175	101	119	25	56	SPGX0503../SCGX0503..	BBMS04	Q09IP
MS25-4D-C25	25.0	180	104	124	25	56	SPGX0503../SCGX0503..	BBMS04	Q09IP
MS26-4D-C32	26.0	188	108	128	32	56	SPGX0503../SCGX0503..	BBMS04	Q09IP
MS27-4D-C32	27.0	192	112	132	32	60	SPGX0503../SCGX0503..	BBMS04	Q09IP
MS28-4D-C32	28.0	197	115	137	32	60	SPGX0503../SCGX0503..	BBMS04	Q09IP
MS29-4D-C32	29.0	201	120	141	32	60	SPGX0503../SCGX0503..	BBMS04	Q09IP
MS30-4D-C32	30.0	207	125	147	32	60	SPGX0604../SCGX0604..	BBMS05	Q10IP
MS31-4D-C40	31.0	222	129	152	40	60	SPGX0604../SCGX0604..	BBMS05	Q10IP
MS32-4D-C40	32.0	226	134	156	40	60	SPGX0604../SCGX0604..	BBMS05	Q10IP
MS33-4D-C40	33.0	231	138	161	40	60	SPGX0604../SCGX0604..	BBMS05	Q10IP
MS34-4D-C40	34.0	235	142	165	40	60	SPGX0604../SCGX0604..	BBMS05	Q10IP
MS35-4D-C40	35.0	240	146	170	40	60	SPGX0604../SCGX0604..	BBMS05	Q10IP
MS36-4D-C40	36.0	245	150	175	40	60	SPGX0704../SCGX0704..	BBMS06	Q10IP
MS37-4D-C40	37.0	249	154	179	40	60	SPGX0704../SCGX0704..	BBMS06	Q10IP
MS38-4D-C40	38.0	254	157	184	40	60	SPGX0704../SCGX0704..	BBMS06	Q10IP
MS39-4D-C40	39.0	258	165	188	40	60	SPGX0704../SCGX0704..	BBMS06	Q10IP
MS40-4D-C40	40.0	263	164	193	40	60	SPGX0704../SCGX0704..	BBMS06	Q10IP

刀片Insert → DE007-008

DILD | MS-U钻（5D） Type-MS-U Drill (5D)





1.单位：mm
2.所有钻体应使用指定标识刀片
3.刀片单独订购

1.Unit：mm
2.All drill bodies shall use the specified identifying insert.
3.Insert ordered separately.

型号 Specification	DC	OAL	LU	LF	DCON	LS	刀片 Insert	螺钉 Screw	扳手 Wrench
MS14-5D-C20	14.0	136	74	86	20	50	SPGX0202../SCGX0202..	BBMS01	Q06IP
MS14.5-5D-C20	14.5	139	77	89	20	50	SPGX0202../SCGX0202..	BBMS01	Q06IP
MS15-5D-C20	15.0	142	79	92	20	50	SPGX0202../SCGX0202..	BBMS01	Q06IP
MS15.5-5D-C20	15.5	145	82	95	20	50	SPGX0202../SCGX0202..	BBMS01	Q06IP
MS16-5D-C20	16.0	148	83	98	20	50	SPGX0202../SCGX0202..	BBMS01	Q06IP
MS16.5-5D-C20	16.5	202	87	101	20	50	SPGX0303../SCGX0303..	BBMS02	Q07IP
MS17-5D-C25	17.0	160	90	104	25	56	SPGX0303../SCGX0303..	BBMS02	Q07IP
MS17.5-5D-C25	17.5	163	93	107	25	56	SPGX0303../SCGX0303..	BBMS02	Q07IP
MS18-5D-C25	18.0	218	94	109	25	56	SPGX0303../SCGX0303..	BBMS02	Q07IP
MS18.5-5D-C25	18.5	168	97	112	25	56	SPGX0303../SCGX0303..	BBMS02	Q07IP
MS19-5D-C25	19.0	228	99	114	25	56	SPGX0303../SCGX0303..	BBMS02	Q07IP
MS19.5-5D-C25	19.5	174	103	118	25	56	SPGX0303../SCGX0303..	BBMS02	Q07IP
MS20-5D-C25	20.0	242	104	121	25	56	SPGX0403../SCGX0403..	BBMS03	Q08IP
MS20.5-5D-C25	20.5	180	108	124	25	56	SPGX0403../SCGX0403..	BBMS03	Q08IP
MS21-5D-C25	21.0	252	109	126	25	56	SPGX0403../SCGX0403..	BBMS03	Q08IP
MS22-5D-C25	22.0	262	113	131	25	56	SPGX0403../SCGX0403..	BBMS03	Q08IP
MS23-5D-C25	23.0	272	120	138	25	56	SPGX0403../SCGX0403..	BBMS03	Q08IP
MS24-5D-C25	24.0	282	124	143	25	56	SPGX0503../SCGX0503..	BBMS04	Q09IP
MS25-5D-C25	25.0	294	129	149	25	56	SPGX0503../SCGX0503..	BBMS04	Q09IP
MS26-5D-C32	26.0	314	137	157	32	56	SPGX0503../SCGX0503..	BBMS04	Q09IP
MS27-5D-C32	27.0	318	139	159	32	60	SPGX0503../SCGX0503..	BBMS04	Q09IP
MS28-5D-C32	28.0	330	143	165	32	60	SPGX0503../SCGX0503..	BBMS04	Q09IP
MS29-5D-C32	29.0	342	150	171	32	60	SPGX0503../SCGX0503..	BBMS04	Q09IP
MS30-5D-C32	30.0	354	155	177	32	60	SPGX0604../SCGX0604..	BBMS05	Q10IP
MS31-5D-C40	31.0	253	159	183	40	60	SPGX0604../SCGX0604..	BBMS05	Q10IP
MS32-5D-C40	32.0	258	164	188	40	60	SPGX0604../SCGX0604..	BBMS05	Q10IP
MS33-5D-C40	33.0	264	170	194	40	60	SPGX0604../SCGX0604..	BBMS05	Q10IP
MS34-5D-C40	34.0	270	176	199	40	60	SPGX0604../SCGX0604..	BBMS05	Q10IP
MS35-5D-C40	35.0	276	181	205	40	60	SPGX0604../SCGX0604..	BBMS05	Q10IP
MS36-5D-C40	36.0	282	186	211	40	60	SPGX0704../SCGX0704..	BBMS06	Q10IP
MS37-5D-C40	37.0	286	191	216	40	60	SPGX0704../SCGX0704..	BBMS06	Q10IP
MS38-5D-C40	38.0	292	195	222	40	60	SPGX0704../SCGX0704..	BBMS06	Q10IP
MS39-5D-C40	39.0	298	204	228	40	60	SPGX0704../SCGX0704..	BBMS06	Q10IP
MS40-5D-C40	40.0	304	206	234	40	60	SPGX0704../SCGX0704..	BBMS06	Q10IP

刀片Insert → DE007-008

DILD | 推荐加工参数 Technical Information

DILD-SP系列推荐加工参数 Recommended machining parameters for DILD-SP

加工材料 Processing Material / 变量参数 Variable Parameter	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium Alloy	铸铁 Cast iron	不锈钢 Stainless steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	HB<320	Cr<13%
切削速度Vc(m/min)	140~200			80~160							160~200	80~120			
直径（mm）	根据钻头直径推荐进给(mm/r)														
SPMT05 12.5~15	0.04~0.12			0.06~0.1							0.04~0.12	0.06~0.1			
SPMT06 16~21	0.06~0.15			0.08~0.12							0.06~0.15	0.08~0.12			
SPMT07 22~27	0.06~0.18			0.1~0.15							0.06~0.18	0.1~0.15			
SPMT09 28~33	0.07~0.22			0.12~0.15							0.07~0.22	0.12~0.15			
SPMT11 34~41	0.08~0.24			0.12~0.18							0.08~0.24	0.12~0.18			
SPMT14 42~50	0.08~0.25			0.13~0.18							0.08~0.25	0.13~0.18			

DILD-SD系列推荐加工参数 Recommended machining parameters for DILD-SD

加工材料 Processing Material / 变量参数 Variable Parameter	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium Alloy	铸铁 Cast iron	不锈钢 Stainless steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	HB<320	Cr<13%
切削速度Vc(m/min)	120~160			80~120							140~180	60~110			
直径（mm）	根据钻头直径推荐进给(mm/r)														
WCMX03 14~19	0.06~0.15			0.08~0.12							0.06~0.15	0.08~0.12			
WCMX04 20~23	0.06~0.18			0.1~0.15							0.06~0.18	0.1~0.15			
WCMX05 24~30	0.07~0.22			0.12~0.15							0.07~0.22	0.12~0.15			
WCMX06 31~41	0.08~0.24			0.12~0.18							0.08~0.24	0.12~0.18			
WCMX08 42~60	0.08~0.25			0.13~0.18							0.08~0.25	0.13~0.18			

DILD-MS系列推荐加工参数 Recommended machining parameters for DILD-MS

加工材料 Processing Material / 变量参数 Variable Parameter	碳素结构钢 Carbon Structural Steel			合金钢 Alloy Steel			淬火钢 Hardened Steel			铝合金 Aluminium Alloy	铸铁 Cast iron	不锈钢 Stainless steel	铜合金 Copper Alloy	钛合金 Titanium Alloy	镍合金 Nickel Alloy
	C~0.25%	C0.25~0.45%	C0.45%~	HRC~25	HRC25~35	HRC35~45	HRC45~50	HRC50~62	HRC62~70	Si~9%	Si~2.5%	Cr<17%	CrSi<2.5%	HB<320	Cr<13%
切削速度Vc(m/min)	140~200			80~160						160~200	80~120				
直径（mm）	根据钻头直径推荐进给(mm/r)														
SPG/SCG02 14~16	0.04~0.12			0.04~0.12						0.04~0.12	0.06~0.1				
SPG/SCG03 16~19	0.04~0.14			0.04~0.14						0.04~0.14	0.08~0.12				
SPG/SCG04 20~23	0.04~0.16			0.04~0.16						0.04~0.16	0.1~0.15				
SPG/SCG05 24~29	0.04~0.18			0.04~0.18						0.04~0.18	0.12~0.15				
SPG/SCG06 30~35	0.06~0.24			0.06~0.24						0.06~0.24	0.12~0.18				
SPG/SCG07 36~40	0.08~0.25			0.08~0.25						0.08~0.25	0.13~0.18				
SPG/SCG08 36~40	0.08~0.25			0.08~0.25						0.08~0.25	0.13~0.18				
SPG/SCG09 36~40	0.08~0.25			0.08~0.25						0.08~0.25	0.13~0.18				

■以上参数为5D以内的加工参数，5D以上或其他定制用途的加工参数请咨询销售。
■The above parameters are for processing within 5D. For processing parameters beyond 5D or for other customized applications, please consult the sales department.



CA

EMC CARBIDE GUN DRILL
硬质合金枪钻

Nomenclature
命名规则 **CA003-003**

Description Of Type Selection
选型说明 **CA005-005**

Type Selection Range
选型范围 **CA006-006**

Recommended Table Of Processing Parameters
加工参数推荐表 **CA007-008**

EMC | 整体硬质合金枪钻命名规则 Carbide Gun Drill Nomenclature

类别说明 Category Description				直径 Dia.	功能长度 LF	总长 OAL	柄部结构 Shank Structure
第一位钻尖类型 first drill point type		第二位结构类别 second structure category					
EMC	硬质合金 solid carbide	N	标准型 standard				EH
		L	加长型 stretch				d
		S	阶梯型 step type				...
		F	平底式 flat type				

EMC - N - G - D2.0 - 100 - 150 - EH 04 50 - T

应用场景 Application Condition	
G	通用 General
CE	不锈钢、难加工材料 Stainless steel, difficult to process materials
EA	交叉、斜面加工 Cross, bevel Processing
A	铝、铜、非铁金属材料及高精度要求场合 Aluminum,copper,non-ferrous metal materials and high-precision applications

柄部直径 DCON

柄部长度 Shank Length

涂层类型 Coating Type	
T	涂层coating
...	无记号no mark

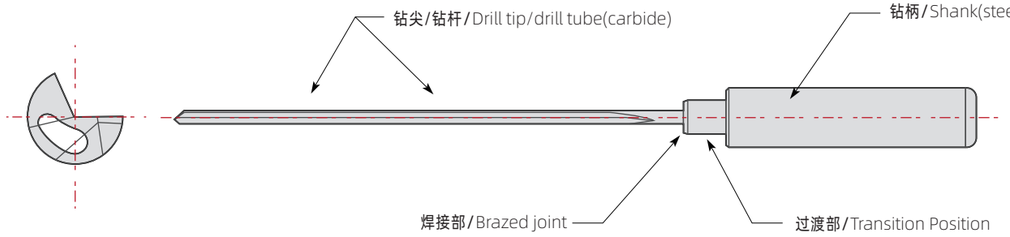
导条刀具 Guide Pad Tools

EMC 选型说明 Description Of Type Selection

EMC-N	EMC-L	EMC-S	EMC-F
整体硬质合金枪钻 Carbide gun drill	加长整硬枪钻 Extension carbide gun drill	阶梯式整硬枪钻 Stepped carbide gun drill	平底式整硬枪钻 Flat-bottom type carbide gun drill
			
直径/Dia：0.8-12mm	直径/Dia：0.9-12mm	直径/Dia：1.5-12mm	直径/Dia：1.0-12mm

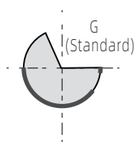
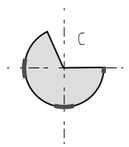
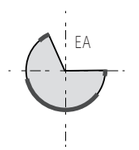
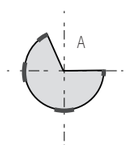
整体硬质合金枪钻的钻头和钻杆是由硬质合金制作而成，是一个整体，柄部部分通过焊接成为一个整体，也可以为全部整体硬质合金制作而成，即钻尖、钻杆、钻柄都为整体硬质合金。因为整体硬质合金枪钻径向跳动很小，因此它的寿命也要高于焊接式枪钻。

The drill bit and drill tube of the carbide gun drill are made from a single piece of solid carbide material, and the shank is brazed to them. There is another integrated gun drill which is made from a single piece of solid carbide material.
The integrated carbide gun drill use lifespan is longer than the brazed gun drill for its small radial runout.

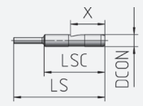
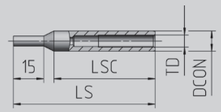
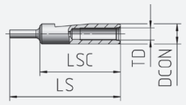
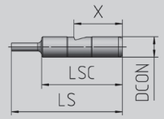
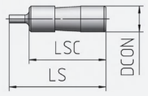
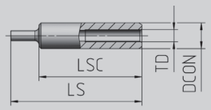
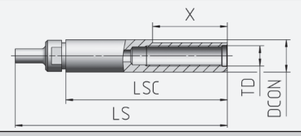
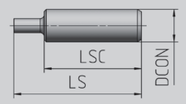
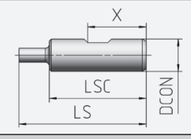
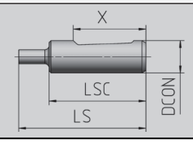


DC:0.8-12mm　OAL max: 350mm　LU:80-100 times tool diameter　过滤精度/Filter accuracy:5-10μm
（推荐使用深孔钻专用切削油/It is recommended to use special cutting oil for deep hole drilling）

EMC 外形轮廓 Peripheral Contours

EA/G The diameter cannot be measured G 型 和 EA 型 直径无法测量	 All materials Suitable for most drilling requirements Close hole tolerance Minimum drift 适用于所有材料，并适用于几乎所有的场合	 Suitable for stainless steel and difficult to process materials, it is recommended to use water-soluble cutting fluid. 不锈钢以及难加工材料，并推荐使用水溶性切削液
	 Suitable for steel and chromium processing, as well as cross hole and inclined surface processing. 铸铁类较高尺寸精度要求的	 Suitable for processing aluminum and steel materials, as well as condition with high dimensional accuracy requirements. 铝材，铜材及较高尺寸精度要求场合

EMC 选型范围 Type Selection Range

刀头直径 DC	图 Fig	柄部型号 Shank Specification	DCON	LSC	LS	X	TD
0.8 - 4		EH6-03	6	30	45	17	-
0.8 - 6		EH10-15	10	55	70	-	M6x0.5
0.8 - 5		EH10-37	10	40	55	32.7	M6x0.5
0.8 - 7		EH10-42	10	40	55	24	-
0.8 - 6		EH12.7-01	12.7	38	48	25.4	-
0.8 - 6		EH12.7-09	12.7	51	65	-	M6x0.5
0.8 - 8		EH16-75	16	80	105	37	M10x1
0.8 - 5		EH4-08	4	34	46	-	-
0.8 - 4		EH6-12	6	36	50	-	-
0.8 - 7		EH10-51	10	40	55	-	-
0.8 - 8		EH12-27-1	12	45	60	-	-
0.8 - 8		EH16-86-1	16	48	63	-	-
0.8 - 4		EH6-13	6	36	50	20	-
0.8 - 7		EH10-47	10	40	55	23.5	-
0.8 - 8		EH12-30	12	45	60	26.5	-
0.8 - 8		EH16-78-1	16	48	63	29	-
0.8 - 4		EH6-01	6	36	50	25	-
0.8 - 7		EH10-49	10	40	55	28	-
0.8 - 8		EH12-28	12	45	60	33	-
0.8 - 8		EH16-89-1	16	48	63	36	-

EMC 整体硬质合金枪钻建议切削参数
Processing Parameter Suggestion For Integrated Carbide Gun Drill

材料 Material	结构钢/碳钢/低合金钢 Structural Steel/Carbon Structural Steel/Low Alloy Steel	合金回火钢/表面淬火钢/渗氮钢工具钢 Alloy Tempered Steel/Surface Quenched Steel/Nitrided Steel/Tool Steel	不锈钢(铁素体/马氏体) Stainless Steel(Ferrite/Martensite)	不锈钢/耐腐蚀耐高温材料(奥氏体) Stainless Steel/Corrosion-resistant And High-temperature Resistant Material(Austenitic)
直径 Dia(mm)	线速度/Vc(m/min)			
	70-80	60-70	40-50	30-40
0.8 - 0.89	0.0004 - 0.0017	0.0010 - 0.0016	0.0007 - 0.0014	0.0007 - 0.0012
0.9 - 0.99	0.0007 - 0.0020	0.0009 - 0.0020	0.0009 - 0.0019	0.0011 - 0.0017
1.0 - 1.09	0.0010 - 0.0026	0.0010 - 0.0026	0.0012 - 0.0024	0.0014 - 0.0020
1.1 - 1.19	0.0014 - 0.0035	0.0013 - 0.0032	0.0015 - 0.0028	0.0016 - 0.0023
1.2 - 1.29	0.0018 - 0.0045	0.0015 - 0.0041	0.0020 - 0.0033	0.0020 - 0.0028
1.4 - 1.59	0.0021 - 0.0060	0.0021 - 0.0052	0.0025 - 0.0042	0.0025 - 0.0036
1.6 - 1.79	0.0028 - 0.0079	0.0024 - 0.0066	0.0031 - 0.0054	0.0032 - 0.0045
1.8 - 1.99	0.0030 - 0.0100	0.0030 - 0.0081	0.0039 - 0.0065	0.0040 - 0.0057
2.0 - 2.49	0.0040 - 0.0130	0.0040 - 0.0100	0.0050 - 0.0080	0.0050 - 0.0070
2.5 - 2.99	0.0060 - 0.0170	0.0050 - 0.0140	0.0080 - 0.0120	0.0080 - 0.0100
3.0 - 3.99	0.0080 - 0.0210	0.0070 - 0.0180	0.0120 - 0.0160	0.0110 - 0.0140
4.0 - 4.99	0.0120 - 0.0290	0.0080 - 0.0270	0.0170 - 0.0220	0.0160 - 0.0200
5.0 - 5.99	0.0150 - 0.0370	0.0120 - 0.0350	0.0240 - 0.0300	0.0230 - 0.0260
6.0 - 6.99	0.0200 - 0.0460	0.0170 - 0.0450	0.0330 - 0.0390	0.0310 - 0.0340
8.0 - 8.99	0.0240 - 0.0610	0.0210 - 0.0620	0.0430 - 0.0510	0.0400 - 0.0440
10.0 - 12.00	0.0300 - 0.0780	0.0270 - 0.0790	0.0550 - 0.0640	0.0500 - 0.0560

EMC 整体硬质合金枪钻建议切削参数
Processing Parameter Suggestion For Integrated Carbide Gun Drill

弹簧钢淬火钢铸件耐热钢、钛合金特殊合金：镍镍铁合金等 Spring Steel/Quenched Steel/Cast Heat-Resistant Steel/Titanium Alloy/Special Alloy (Nickel Molybdenum Iron Alloy) Etc.	铸铁/灰铸铁(球墨铸铁)/可锻铸铁 Cast Iron/Gray Cast Iron/Ductile Iron/Malleable Cast Iron	铸铁/灰铸铁/球墨铸铁/铸铁钢件 Cast Iron/Gray Cast Iron (Ductile Iron) /Cast Iron Steel Parts	黄铜 Copper	铝/铝合金硅含量 Aluminum/Aluminum Alloy With Silicon Content>5%	铝/铝合金硅含量 Aluminum/Aluminum Alloy With Silicon Content<5%
线速度/Vc(m/min)					
25-50	80-90	60-70	90-130	120-180	100-300
0.0004 - 0.0014	0.0010 - 0.0017	0.0009 - 0.0014	0.0007 - 0.0013	0.0007 - 0.0014	0.0003 - 0.0013
0.0006 - 0.0018	0.0014 - 0.0022	0.0013 - 0.0018.	0.0010 - 0.0017	0.0010 - 0.0023	0.0004 - 0.0015
0.0007 - 0.0022	0.0018 - 0.0028	0.0018 - 0.0023	0.0015 - 0.0022	0.0013 - 0.0029	0.0005 - 0.0019
0.0009 - 0.0026	0.0023 - 0.0037	0.0024 - 0.0029	0.0020 - 0.0027	0.0017 - 0.0043	0.0007 - 0.0021
0.0012 - 0.0030	0.0031 - 0.0049	0.0031 - 0.0040	0.0024 - 0.0037	0.0022 - 0.0077	0.0009 - 0.0027
0.0016 - 0.0037	0.0039 - 0.0070	0.0047 - 0.0058	0.0030 - 0.0052	0.0027 - 0.0114	0.0011 - 0.0033
0.0020 - 0.0045	0.0048 - 0.0093	0.0064 - 0.0076	0.0035 - 0.0083	0.0037 - 0.0194	0.0013 - 0.0041
0.0025 - 0.0054	0.0058 - 0.0124	0.0070 - 0.0100	0.0041 - 0.0120	0.0050 - 0.0352	0.0016 - 0.0049
0.0030 - 0.0060	0.0080 - 0.0160	0.0100 - 0.0140	0.0050 - 0.0170	0.0080 - 0.0660	0.0020 - 0.0060
0.0050 - 0.0090	0.0100 - 0.0230	0.0130 - 0.0220	0.0070 - 0.0290	0.0110 - 0.0960	0.0030 - 0.0090
0.0080 - 0.0110	0.0150 - 0.0300	0.0150 - 0.0310	0.0090 - 0.0460	0.0180 - 0.1270	0.0050 - 0.0150
0.0110 - 0.0170	0.0200 - 0.0440	0.0200 - 0.0430	0.0110 - 0.0680	0.0250 - 0.1790	0.0080 - 0.0270
0.0140 - 0.0210	0.0250 - 0.0600	0.0250 - 0.0570	0.0140 - 0.0890	0.0340 - 0.2340	0.0110 - 0.0400
0.0190 - 0.0260	0.0360 - 0.0750	0.0300 - 0.0710	0.0190 - 0.1110	0.0500 - 0.2930	0.0180 - 0.0550
0.0250 - 0.0360	0.0480 - 0.1030	0.0400 - 0.0960	0.0240 - 0.1 500	0.0690 - 0.4050	0.0250 - 0.0780
0.0300 - 0.0460	0.0600 - 0.1320	0.0600 - 0.1220	0.0290 - 0.1900	0.0900 - 0.5130	0.0340 - 0.1050



CB

EDW BRAZED GUN DRILL
硬质合金焊接枪钻

Nomenclature
命名规则 **CB003-003**

Description Of Type Selection
选型说明 **CB005-005**

Type Selection Range
选型范围 **CB006-007**

Recommended Table Of Processing Parameters
加工参数推荐表 **CB008-009**

EDW | 焊接式枪钻命名规则 Brazed Gun Drill Nomenclature

类别说明 Category Description				直径 Dia.	功能长度 LF	总长 OAL	柄部结构 Shank Structure
第一位枪钻类别 first drill point type		第二位枪钻结构 second structure category					
EDW	硬质合金焊接枪钻 solid carbide	S	单油孔 single oil hole				EH
		T	双油孔 double oil hole				d
		ST	阶梯型 step type				...
		R	枪铰式 reamer type				

EDW - T - G - D12.0 - 400 - 500 - EH 25 70 - T

应用场景 Application Condition		柄部直径 DCON	柄部长度 Shank Length	涂层类型 Coating Type	
G	通用 General			T	涂层coating
A	铝、铜、非铁金属材料及高精度要求场合 Aluminum, copper, non-ferrous metal materials and high-precision applications			...	无记号no mark
EA	交叉、斜面加工 Cross, bevel Processing				
D	铸铁类较高精度要求场合 High precision requirements for cast iron applications				

导条刀具 Guide Pad Tools

硬质合金焊接枪钻 EDW Brazed Gun Drill

EDW | 焊接式枪钻 Brazed Gun Drill

EDW-S
单油孔焊接式枪钻
Single oil hole brazed gun drill



直径/Dia：3.0-8mm

EDW-T
双油孔焊接式枪钻
Twin oil holes brazed gun drill



直径/Dia：7-42mm

EDW-ST
阶梯式焊接枪钻
Stepped brazed gun drill



直径/Dia：3-42mm

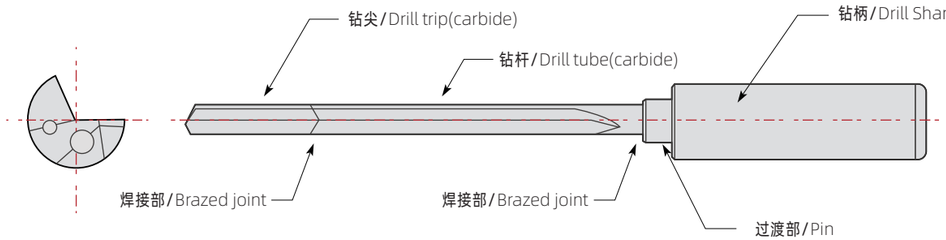
EDW-R
枪铰式焊接枪钻
Gun articulated gun drill



直径/Dia：3-42mm

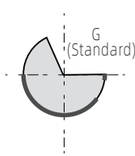
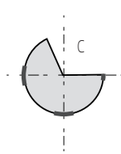
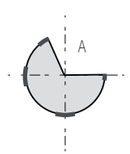
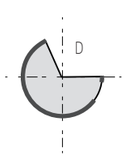
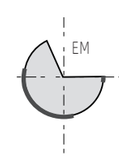
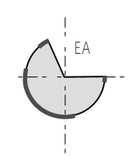
枪钻的头有硬质合金整体烧结式和硬质合金镶片式钢制钻头，钻尖、钻杆和钻柄三部分通过焊接成为一个整体。焊接式枪钻可根据被加工材料的不同选择，我们用不同牌号的硬质合金材料进行合理的刀具设计。对于特殊材料也可通过不同种类的涂层来应对。

The tip of the gun drill includes solid carbide alloy integral sintered drill, and solid carbide inserts drill with steel shank. The drill tip, drill tube, and drill shank are welded together into an integrated whole. Welding type gun drills can be selected according to the different materials being processed, We use different grades of solid carbide materials for reasonable tool design. For special materials, different types of coatings can also be used for.



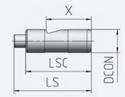
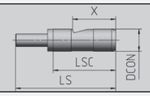
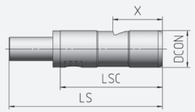
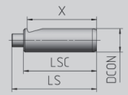
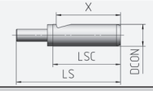
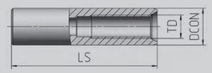
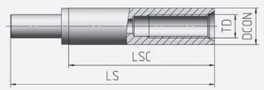
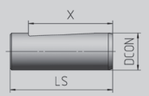
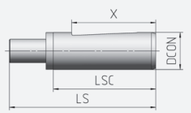
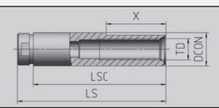
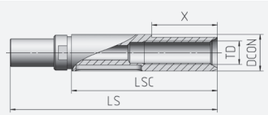
DC:3.0-42mm　OAL max: 6000mm　LU:40-250 times tool diameter　过滤精度/Filter accuracy:10-20μm
（推荐使用深孔钻专用切削油/It is recommended to use special cutting oil for deep hole drilling）

EDW | 外形轮廓 Peripheral Contours

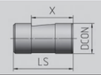
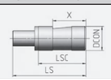
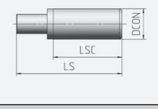
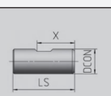
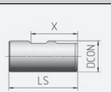
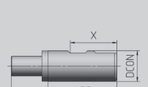
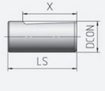
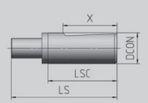
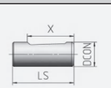
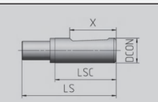
Important: Contour EA G are non-micable! G型和EA型直径无法测量	 G (Standard) All materials Suitable for most drilling requirements Close hole tolerance Minimum drift 适用于所有材料，并适用于几乎所有的场合	 C Suitable for stainless steel and difficult to process materials, it is recommended to use water-soluble cutting fluid. 不锈钢以及难加工材料，并推荐使用水溶性切削液	 A Suitable for processing aluminum and steel 适用 于铝材和钢材的加工，以及较高尺寸精度要
	 D 铸铁类较高尺寸精度要求的场合。 Suitable for processing 铸铁类较高精度要求场合	 EM Suitable for processing aluminum and steel materials, as well as condition with high dimensional accuracy requirements. 铝材，铜材及较高尺寸精度要求场合	 EA Suitable for steel and chromium processing, as well as cross hole and inclined surface processing. 钢和铝，交叉孔及斜面加

硬质合金焊接枪钻 EDW Brazed Gun Drill

EDW | 焊接式枪钻刀柄结构 Brazed Gun Drill

刀头直径 DC	图 Fig	柄部型号 Shank Specification	DCON	LSC	LS	X	TD
3 - 7		EH10-00	10	40	-	24.0	-
3 - 12		EH16-03	16	45	53	31.0	-
6 - 19		EH25-00	25	70	78	34.0	-
7 - 12		EH10-01	10	40	57	24.0	-
12 - 20		EH16-04	16	45	72	31.0	-
19 - >		EH25-01	25	70	105	34.0	-
3 - 12		EH16-02	16	50	58	47.5	-
12 - 20		EH16-33	16	50	77	47.5	-
3 - 17		EH10-06	10	60	-	-	M6x0.5
3 - 12		EH16-15	16	80	-	-	M10x1
6 - 19		EH25-08	25	100	-	-	M16x1.5
7 - 12		EH10-28	10	60	77	-	M6x0.5
12 - 20		EH16-22	16	80	105	-	M10x1
19 - >		EH25-10	25	100	140	-	M16x1.5
9 - 32		EH12.7-00	12.7	38.1	-	25.3	-
9 - 25		EH19.05-01	19.05	70	-	45.0	-
6 - 19		EH25.4-00	25.4	70	-	57.5	-
3 - 14		EH31.7-00	31.7	70	-	57.5	-
3 - 19		EH38.1-00	38.1	70	-	57.5	-
32 - >		EH19.05-11	19.05	70	97	45.0	-
25 - >		EH25.4-01	25.4	70	100	57.5	-
19 - >		EH31.7-01	31.7	70	110	57.5	-
14 - 24		EH38.1-01	38.1	70	110	57.5	-
6 - 19		EH10-44	10	60	68	35	M6x0.5
3 - 10		EH16-31	16	80	90	37	M10x1
3 - 16		EH25-34	25	100	112	45	M16x1.5
19 - 42		EH16-66	16	80	110	37	M10x1
10 - 16		EH25-40	25	100	142	45	M16x1.5

EDW | 焊接式枪钻刀柄结构 Brazed Gun Drill Structure

刀头直径 DC	图 Fig	刀柄型号 Shank Specification	DCON	LSC	LS	X	TD
3 - 12		EH16-00	16	112	-	73.0	TR16x1.5
3 - 14		EH20-00	20	126	-	82.0	TR20x2
6 - 21		EH28-00	28	126	-	82.0	TR28x2
8 - 28		EH36-00	36	162	-	109.0	TR36x2
3 - 12		EH16-21	16	40	-	28.0	-
6 - 19		EH25-16	25	50	-	35.0	-
9 - 28		EH35-00	35	60	-	40.0	-
12 - 20		EH16-30	16	40	67	28.0	-
19 - 30		EH25-20	25	50	77	35.0	-
28 - >		EH35-01	35	60	100	40.0	-
3 - 17		EH10-40	10	40	-	-	-
3 - 18		EH12-18	12	45	-	-	-
3 - 12		EH16-11	16	48	-	-	-
5 - 15		EH20-01	20	50	-	-	-
6 - 19		EH25-11	25	56	-	-	-
9 - 25		EH32-24	32	60	-	-	-
9 - 32		EH40-03	40	70	-	-	-
7 - 12		EH10-41	10	40	57	-	-
9 - 15		EH12-19	12	45	62	-	-
12 - 20		EH16-20	16	48	75	-	-
15 - 25		EH20-60	20	50	77	-	-
19 - 42		EH25-21	25	56	86	-	-
25 - 45		EH32-23	32	60	100	-	-
32 - >		EH40-04	40	70	110	-	-
3 - 17		EH10-11	10	40	-	23.5	-
3 - 18		EH12-07	12	45	-	26.5	-
3 - 12		EH16-32	16	48	-	29.0	-
3 - 15		EH20-29	20	50	-	30.5	-
6 - 19		EH25-22	25	56	-	38.0	-
9 - 25		EH32-10	32	60	-	43.0	-
9 - 32		EH40-13	40	70	-	47.0	-
15 - 42		EH50-05	50	80	-	54.0	-
7 - 12		EH10-23	10	40	57	23.5	-
9 - 15		EH12-02	12	45	62	26.5	-
12 - 20		EH16-53	16	48	75	29.0	-
15 - 25		EH20-34	20	50	77	30.5	-
19 - >		EH25-31	25	56	86	38.0	-
25 - >		EH32-11	32	60	100	43.0	-
32 - >		EH40-14	40	70	110	47.0	-
42 - >		EH50-06	50	80	120	54.0	-
3 - 17		EH10-20	10	40	-	28.0	-
3 - 18		EH12-08	12	45	-	33.0	-
3 - 12		EH16-47	16	48	-	36.0	-
3 - 15		EH20-40	20	50	-	38.0	-
6 - 19		EH25-36	25	56	-	44.0	-
9 - 25		EH32-12	32	60	-	48.0	-
9 - 32		EH40-18	40	70	-	66.0	-
7 - 12		EH10-24	10	40	57	28.0	-
9 - 15		EH12-05	12	45	62	33.0	-
12 - 20		EH16-51	16	48	75	36.0	-
15 - 29		EH20-43	20	50	77	38.0	-
19 - >		EH25-37	25	56	86	44.0	-
25 - >		EH32-13	32	60	100	48.0	-
32 - >		EH40-17	40	70	110	66.0	-
3 - 17		EH10-29	10	40	-	28.0	-
3 - 18		EH12-13	12	45	-	33.0	-
3 - 12		EH16-62	16	48	-	36.0	-
3 - 15		EH20-55	20	50	-	38.0	-
7 - 12		EH10-30	10	40	57	28.0	-
9 - 15		EH12-14	12	45	62	33.0	-
12 - 20		EH16-70	16	48	75	36.0	-
15 - 29		EH20-56	20	50	77	38.0	-

EDW | 焊接式枪钻建议切削参数 Processing Parameter Suggestion For Brazed Gun Drill

材料 Material	结构钢/碳钢/低合金钢 Structural Steel/Carbon Structural Steel/Low Alloy Steel	合金回火钢/表面淬火钢/渗氮钢工具钢 Alloy Tempered Steel/Surface Quenched Steel/Nitrided Steel/Tool Steel	不锈钢(铁素体/马氏体) Stainless Steel (Ferrite/Martensite)	不锈钢/耐腐蚀耐高温材料(奥氏体) Stainless Steel/Corrosion-resistant And High-temperature Resistant Material (Austenitic)
直径 Dia(mm)	线速度/Vc(m/min)			
	70-80	60-70	40-50	30-40
3.00 - 3.49	0.0034 - 0.0128	0.0053 - 0.0157	0.0049 - 0.0089	0.0037 - 0.0063
3.50 - 3.99	0.0045 - 0.0165	0.0070 - 0.0196	0.0070 - 0.0122	0.0050 - 0.0081
4.00 - 4.49	0.0056 - 0.0211	0.0089 - 0.0236	0.0080 - 0.0157	0.0070 - 0.0098
4.50 - 4.99	0.0069 - 0.0254	0.0102 - 0.0274	0.0098 - 0.0189	0.0089 - 0.0118
5.00 - 5.99	0.0089 - 0.0295	0.0125 - 0.0316	0.0118 - 0.0222	0.0113 - 0.0136
6.00 - 6.99	0.0110 - 0.0364	0.0150 - 0.0393	0.0143 - 0.0276	0.0140 - 0.0170
7.00 - 7.99	0.0133 - 0.0431	0.0175 - 0.0467	0.0163 - 0.0343	0.0160 - 0.0205
8.00 - 8.99	0.0157 - 0.0495	0.0200 - 0.0550	0.0183 - 0.0405	0.0180 - 0.0243
9.00 - 9.99	0.0184 - 0.0565	0.0225 - 0.0632	0.0212 - 0.0466	0.0200 - 0.0283
10.00 - 11.99	0.0230 - 0.0630	0.0250 - 0.0710	0.0260 - 0.0530	0.0250 - 0.0320
12.00 - 13.99	0.0270 - 0.0760	0.0310 - 0.0860	0.0320 - 0.0650	0.0300 - 0.0410
14.00 - 15.99	0.0320 - 0.0900	0.0350 - 0.1020	0.0380 - 0.0770	0.0350 - 0.0500
16.00 - 17.99	0.0360 - 0.1030	0.0390 - 0.1190	0.0450 - 0.0900	0.0410 - 0.0590
18.00 - 19.99	0.0410 - 0.1160	0.0440 - 0.1350	0.0530 - 0.1050	0.0480 - 0.0710
20.00 - 23.99	0.0510 - 0.1300	0.0490 - 0.1530	0.0680 - 0.1190	0.0600 - 0.0830
24.00 - 27.99	0.0600 - 0.1570	0.0540 - 0.1850	0.0830 - 0.1430	0.0730 - 0.1060
28.00 - 31.99	0.0700 - 0.1840	0.0590 - 0.2170	0.1000 - 0.1680	0.0870 - 0.1270
32.00 - >	0.0850 - 0.2110	0.0630 - 0.2470	0.1250 - 0.1930	0.1070 - 0.1510

EDW 焊接式枪钻建议切削参数
Processing Parameter Suggestion For Brazed Gun Drill

弹簧钢淬火钢铸件耐热钢、钛合金特殊合金：镍镍铁合金等 Spring Steel/Quenched Steel/Cast Heat-Resistant Steel/Titanium Alloy/Special Alloy (Nickel Molybdenum Iron Alloy) Etc.	铸铁/灰铸铁(球墨铸铁)/可锻铸铁 Cast Iron/Gray Cast Iron/Ductile Iron/Malleable Cast Iron	铸铁/灰铸铁/球墨铸铁/铸铁钢件 Cast Iron/Gray Cast Iron (Ductile Iron) /Cast Iron Steel Parts	黄铜 Copper	铝/铝合金硅含量 Aluminum/Aluminum Alloy With Silicon Content>5%	铝/铝合金硅含量 Aluminum/Aluminum Alloy With Silicon Content<5%
线速度/Vc(m/min)					
25-50	80-90	60-70	90-130	120-180	100-300
0.0026 - 0.0028	0.0086 - 0.0236	0.0049 - 0.0188	0.0060 - 0.0176	0.0055 - 0.0589	0.0049 - 0.0088
0.0038 - 0.0040	0.0105 - 0.0300	0.0073 - 0.0242	0.0070 - 0.0234	0.0078 - 0.0859	0.0063 - 0.0154
0.0052 - 0.0056	0.0127 - 0.0362	0.0092 - 0.0311	0.0080 - 0.0293	0.0106 - 0.1178	0.0078 - 0.0214
0.0071 - 0.0077	0.0145 - 0.0424	0.0112 - 0.0377	0.0088 - 0.0377	0.0127 - 0.1466	0.0094 - 0.0273
0.0092 - 0.01 00	0.0185 - 0.0495	0,0141 - 0.0440	0.0106 - 0.0450	0.0165 - 0.1717	0.0122 - 0.0324
0.0120 - 0.0126	0.0235 - 0.0603	0.0172 - 0.0563	0.0123 - 0.0565	0.0192 - 0.2167	0.0154 - 0.0414
0.0147 - 0.0165	0.0280 - 0.0728	0.0201 - 0.0676	0.0144 - 0.0674	0.0235 - 0.2624	0.0176 - 0.0498
0.0176 - 0.0209	0.0343 - 0.0859	0.0231 - 0.0795	0.0166 - 0.0804	0.0282 - 0.3140	0.0198 - 0.0578
0.0207 - 0.0240	0.0394 - 0.0983	0.0261 - 0.0917	0.01 88 - 0.0942	0.0333 - 0.3550	0.0220 - 0.0659
0.0240 - 0.0270	0.0500 - 0.1100	0.0310 - 0.1030	0.0230 - 0.1040	0.0420 - 0.3960	0.0260 - 0.0750
0.0280 - 0.0330	0.0600 - 0.1330	0.0370 - 0.1260	0.0270 - 0.1250	0.0520 - 0.4780	0.0310 - 0.0930
0.0340 - 0.0400	0.0700 - 0.1560	0.0420 - 0.1460	0.0320 - 0.1460	0.0630 - 0.5600	0.0350 - 0.1110
0.0380 - 0.0460	0.0790 - 0.1780	0.0470 - 0.1 650	0.0370 - 0.1660	0.0710 - 0.6310	0.0400 - 0.1310
0.0430 - 0.0530	0.0870 - 0.2010	0.0520 - 0.1820	0.0420 - 0.1870	0.0780 - 0.6920	0.0440 - 0.1510
0.0510 - 0.0600	0.1060 - 0.2240	0.0630 - 0.1990	0.0510 - 0.2070	0.0940 - 0.7540	0.0530 - 0.1670
0.0630 - 0.0730	0.1230 - 0.2700	0.0730 - 0.2340	0.0600 - 0.2460	0.1100 - 0.8710	0.0620 - 0.2010
0.0720 - 0.0860	0.1410 - 0.3160	0.0840 - 0.2690	0.0700 - 0.2810	0.1260 - 0.9890	0.0700 - 0.2340
0.0860 - 0.1000	0.1690 - 0.3620	0.0990 - 0.3010	0.0850 - 0.3150	0.1490 - 1.0990	0.0840 - 0.2680

导条刀具 Guide Pad Tools



CC

EQ INDEXABLE GUN DRILL
舍弃式枪钻

Nomenclature
命名规则 **CC003-003**

Type Selection Range
选型范围 **CC005-006**

Recommended Table Of Processing Parameters
加工参数推荐表 **CC006-006**

舍弃式枪钻 EQ Indexable Gun Drill

EQ 舍弃式枪钻命名规则 Indexable Gun Drill Nomenclature

类别说明 Category Description	
第一位枪钻类型 first gun drill type	
EQ	可转位枪钻 indexable gun drill nomenclature

尺寸说明 Size Description			
第二位头部直径(mm) second head diameter(mm)		第三位总长(mm) third total length	
D14	14	260	260

EQ - D14.0 - 260 - d 25 - 07

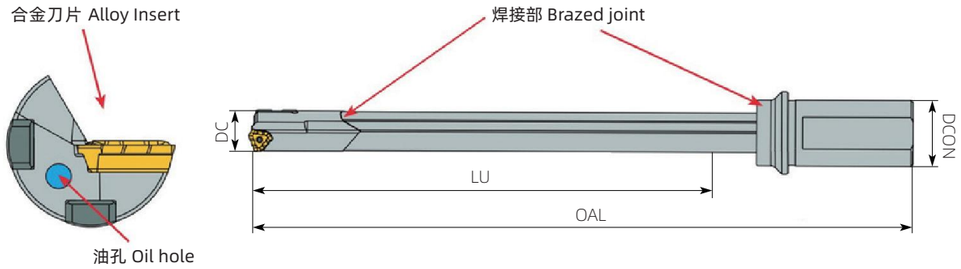
柄径说明 Shank Diameter Description	
第一位柄部结构 first type of shank(mm)	第二位柄部(mm) second shank diameter(mm)
EH	25
d	
...	

刀片IC代码 Insert IC Code
07

舍弃式枪钻 EQ Indexable Gun Drill

导条刀具
Guide Pad Tools

EQ | EQ舍弃式枪钻 EQ Indexable Gun Drill



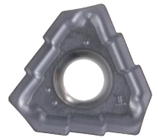
机夹式枪钻采用可更换刀片及导条设计，刀片及导条为硬质合金制成，可进行涂层提高耐磨度。刀片及导条采用螺丝固定更换方便解决了传统枪钻修磨的问题，从而大幅提升加工效率。

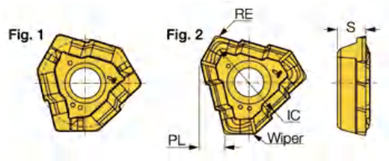
EQ indexable gun drills applies to inserts and guide pads, with positive rake angle cutting design. EQ gun drill reaches higher efficiency by high wear-resistance carbide inserts and guide pads which fixing on gun drill by screws.

型号 Specification	DC	DCON	OAL	LU	刀片型号 Insert	导条型号 Guide Pad
EQ-D14-260-d25-07	14	25	260	200	TOGX070304-PD	EQC05-18-060
EQ-D14-330-d25-07	14	25	330	270	TOGX070304-PD	EQC05-18-060
EQ-D14-400-d25-07	14	25	400	340	TOGX070304-PD	EQC05-18-060
EQ-D15-275-d25-07	15	25	275	215	TOGX070304-PD	EQC05-18-060
EQ-D15-350-d25-07	15	25	350	290	TOGX070304-PD	EQC05-18-060
EQ-D15-425-d25-07	15	25	425	365	TOGX070304-PD	EQC05-18-060
EQ-D16-290-d25-08	16	25	290	230	TOGX080305-PD	EQC05-18-075
EQ-D16-370-d25-08	16	25	370	310	TOGX080305-PD	EQC05-18-075
EQ-D16-450-d25-08	16	25	450	390	TOGX080305-PD	EQC05-18-075
EQ-D17-305-d25-08	17	25	305	245	TOGX080305-PD	EQC05-18-075
EQ-D17-390-d25-08	17	25	390	330	TOGX080305-PD	EQC05-18-075
EQ-D17-475-d25-08	17	25	475	415	TOGX080305-PD	EQC05-18-075
EQ-D18-320-d25-08	18	25	320	260	TOGX080305-PD	EQC05-18-075
EQ-D18-410-d25-08	18	25	410	350	TOGX080305-PD	EQC05-18-075
EQ-D18-500-d25-08	18	25	500	440	TOGX080305-PD	EQC05-18-075
EQ-D19-335-d25-09	19	25	335	275	TOGX080305-PD	EQC06-20-085
EQ-D19-430-d25-09	19	25	430	370	TOGX080305-PD	EQC06-20-085
EQ-D19-525-d25-09	19	25	525	465	TOGX080305-PD	EQC06-20-085
EQ-D20-350-d32-09	20	25	350	290	TOGX090305-PD	EQC06-20-085
EQ-D20-450-d32-09	20	25	450	390	TOGX090305-PD	EQC06-20-085
EQ-D20-550-d32-09	20	25	550	490	TOGX090305-PD	EQC06-20-085
EQ-D22-380-d32-11	22	32	380	320	TOGX110405-PD	EQC06-20-100
EQ-D22-490-d32-11	22	32	490	430	TOGX110405-PD	EQC06-20-100
EQ-D22-600-d32-11	22	32	600	540	TOGX110405-PD	EQC06-20-100
EQ-D25-425-d32-11	25	32	425	365	TOGX110405-PD	EQC06-20-120
EQ-D25-550-d32-11	25	32	550	490	TOGX110405-PD	EQC06-20-120
EQ-D25-675-d32-11	25	32	675	615	TOGX110405-PD	EQC06-20-120
EQ-D28-470-d40-12	28	32	470	410	TOGX120405-PD	EQC06-20-120
EQ-D28-610-d40-12	28	32	610	550	TOGX120405-PD	EQC06-20-120
EQ-D28-750-d40-12	28	32	750	690	TOGX120405-PD	EQC06-20-120
EQ-D32-530-d40-13	32	40	530	470	TOGX130405-PD	EQC07-20-120
EQ-D32-690-d40-13	32	40	690	630	TOGX130405-PD	EQC07-20-120
EQ-D32-850-d40-13	32	40	850	790	TOGX130405-PD	EQC07-20-120

舍弃式枪钻 EQ Indexable Gun Drill

EQ | TOGX舍弃式枪钻刀片 Insert Of TOGX Indexable Gun Drill





型号 Specification	IC	RE	PL	S	Fig		
TOGX070304-PD	7.69	0.4	1.95	2.30	1	M2.5x5	Q8
TOGX080305-PD	8.55	0.5	2.20	2.80	1	M2.5x6	Q8
TOGX090305-PD	8.32	0.5	3.00	3.00	2	M3.0x6.5	Q8
TOGX100305-PD	9.23	0.5	3.20	3.30	2	M2.5x6	Q9
TOGX110405-PD	10.40	0.5	3.40	3.80	2	M3.5x8	Q15
TOGX120405-PD	11.59	0.5	3.60	4.30	2	M4.0x9	Q15
TOGX130408-PD	12.85	0.8	4.57	4.76	2	M5.0x11	Q15

EQ | EQC舍弃式枪钻导条 Guide Pad Of EQC Indexable Gun Drill



型号 Specification	W1	INSL	RE	S	枪钻直径 Gun Drill Diameter		
EQC04-16-055	4	16	5.50	2.00	12.00<DC<14	M2.0x3.7	Q6
EQC05-18-060	5	18	6.00	2.50	14.01<DC<16	M2.2x4.0	Q6
EQC05-18-075	6	18	7.50	3.00	16.01<DC<18	M2.2x4.0	Q6
EQC06-20-085	6	20	8.50	3.00	18.01<DC<21	M2.5x5.0	Q8
EQC06-20-100	6	20	10.00	3.00	21.01<DC<25	M2.5x5.0	Q8
EQC06-20-120	6	20	12.00	3.00	25.01<DC<30	M2.5x5.0	Q8
EQC07-20-120	7	20	12.00	3.50	30.01<DC<32	M3.0x6.0	Q10

EQ | 舍弃式枪钻加工参数 Recommended processing parameters for indexable gun drills

加工材料 Work Piece	非合金钢及铸钢 Cast Steel	低合金钢和铸钢 Cast Steel And Low Content Alloy Steel (合金元素含量小于5% / Alloy<5%)	高合金钢 High Content Alloy Steel	不锈钢 Stainless Steel	铸铁 Cast Iron	有色金属 Non-ferrous Metal	高温合金 Heat Resistant Alloy	钛合金 Titanium Alloy
布式硬度/Hardness(HB)	300	350	325	180	260	130	350	/
拉伸强度/Tensile Strength(N/mm2)	1000	1200	1100	600	/	/	/	RM1050
线速度/VC(m)	80-140	80-140	80-120	80-140	80-140	65-130	20-50	30-60
直径/Dia(mm)	Fn	Fn	Fn	Fn	Fn	Fn	Fn	Fn
12-15.99	0.05-0.16	0.05-0.16	0.05-0.16	0.05-0.1	0.05-0.25	0.05-0.5	0.04-0.08	0.05-0.13
16-28	01-0.2	0.1-0.2	0.1-0.2	0.08-0.1	0.1-0.3	0.8-0.18	0.08-0.18	0.08-0.18
28-35	0.1-0.25	0.1-0.15	0.1-0.15	0.08-0.1	0.1-0.3	0.08-0.1	0.08-0.1	0.08-0.2

导条刀具 Guide Pad Tools



DA

TURNING INSERT-CARBIDE
车削刀片-硬质合金

Nomenclature
命名规则 DA003-004

Material Description
材质说明 DA005-006

Material Contrast Table
材质对比表 DA007-011

Chip Breaker Contrast Table
槽型对比表 DA012-013

CN** Inserts
CN**刀片 DA015-017

DN** Inserts
DN**刀片 DA018-019

SN** Inserts
SN**刀片 DA020-021

TN** Inserts
TN**刀片 DA022-024

VN** Inserts
VN**刀片 DA025-025

WN** Inserts
WN**刀片 DA026-027

CC** Inserts
CC**刀片 DA028-028

DC** Inserts
DC**刀片 DA029-029

SC** Inserts
SC**刀片 DA030-030

TC** Inserts
TC**刀片 DA031-031

VB**/VC** Inserts
VB**/VC**刀片 DA032-032

RC** Inserts
RC**刀片 DA032-032

TURNING INSERT-Cermet/Ceramic
车削刀片-金属陶瓷/陶瓷

Nomenclature
命名规则 DA033-034

Material Description
材质说明 DA035-035

Material Contrast Table
材质对比表 DA036-036

CN** Inserts
CN**刀片 DA037-038

DN** Inserts
DN**刀片 DA039-040

SN** Inserts
SN**刀片 DA041-042

TN** Inserts
TN**刀片 DA043-044

VN** Inserts
VN**刀片 DA045-046

WN** Inserts
WN**刀片 DA047-048

CC** Inserts
CC**刀片 DA049-049

DC** Inserts
DC**刀片 DA050-050

SC** Inserts
SC**刀片 DA051-051

TC/TP** Inserts
TC/TP**刀片 DA051-051

VB** Inserts
VB**刀片 DA052-052

WB** Inserts
WB**刀片 DA053-053

车削刀片 Turning Insert

命名规则 Nomenclature

C	N	M	G	12	04	08	-	PF3
1	2	3	4	5	6	7		8

1 刀片形状 Shape

A	85°	M	86°
B	82°	O	
C	80°	P	
D	55°	R	
E	75°	S	
H		T	
K	55°	V	35°
L		W	80°

X：特殊符号　　X：special symbol

2 后角 Clearance Angle

A	3°	F	25°
B	5°	G	30°
C	7°	N	0°
D	15°	P	11°
E	20°	X	特殊角度

3 公差 Tolerance(mm)

		ΦIC	m	S
T	A	±0.025	±0.005	±0.025
	C	±0.013	±0.005	±0.025
	E	±0.025	±0.013	±0.025
	F	±0.013	±0.013	±0.025
CS	G	±0.025	±0.025	±0.025
	H	±0.025	±0.025	±0.13
	J*	±0.05-±0.13	±0.005	±0.025
DV	K*	±0.05-±0.13	±0.013	±0.025
	L*	±0.05-±0.13	±0.025	±0.025
	M*	±0.05-±0.13	±0.08-±0.18	±0.13
	N*	±0.05-±0.13	±0.08-±0.18	±0.025
S	U*	±0.08-±0.25	±0.13-±0.38	±0.13

备注：*表示侧面不研磨　　Note：*Indicates side is not ground.

6 刀片厚度 Thickness

00	s=0.79	04	s=4.76
T0	s=0.99	T4	s=4.96
01	s=1.59	05	s=5.56
T1	s=1.98	T5	s=5.95
02	s=2.38	T6	s=6.75
T2	s=2.78	07	s=7.94
03	s=3.18	09	s=9.52
T3	s=3.97		

7 刀尖圆角 Radius

01	r=0.1
02	r=0.2
04	r=0.4
08	r=0.8
12	r=1.2
16	r=1.6
20	r=2.0
24	r=2.4
32	r=3.2
XX	r=其他Other
缺省Default	无标记No mark

备注：圆刀片用M0
Note: Round inserts are represented by "mo".

8 断屑槽 Chip Breakere

加工材质基础类别 Processing Material Basic Category		结构特征 Structural Characteristics		工艺类别 Process Category	
P	钢 Steel	W		1	
M	不锈钢 Stainless Steel	A		2	精加工 Finish Maching
K	铸铁 Cast Iron	N		3	
S	耐热合金、钛合金 Heat Resistant Alloy、Titanium Alloy	O		4	半精加工 Half-finish Maching
N	铝合金、非铁金属 Aluminum Alloy、Non-ferrous Metals	F		5	
G	通用 General Use	G		6	粗加工 Rough Maching
		R-**		7	重载加工 Heavy Maching
		L-**		...	
		I			
		E			

车削刀片 Turning Insert

命名规则 Nomenclature

4 切削及夹紧特征 Holding Type

A		J	β=70-90°	T	β=40-60°
B	β=70-90°	M		U	β=40-60°
C	β=70-90°	N		W	β=40-60°
F		Q	β=40-60°	X	非标Special 必须提供图纸和精确说明 Drawings and precise instructions must be provided.
G		R			
H	β=70-90°				

5 刀刃长度 Cutting Edge Length

车削刀片材质说明
Turing Insert Material Directions

新牌号 New Type	涂层工艺 Coating Process	涂层成分 Coating Composition	涂层颜色 Coating Color	应用特征 Application Signature
FP5225	**PVD**	**AlTiN**		**后处理工艺基于EP5125/QP5125优化，硬度与强韧性兼顾的基体，含铝量更高的涂层。 适合铸铁、钢、不锈钢的通用加工，高加工安全性。 The post-treatment process is optimized based on EP5125/QP5125, a matrix with both high hardness and toughness and a coating with increased aluminum content. It is suitable for the general processing of cast iron, steel, and stainless steel, ensuring high processing safety.**
FP5224	PVD	TiAlSiN		**后处理工艺及涂层基于EP5226优化，超细晶粒基体，高耐热和高韧性的复合涂层。 适合铸铁、钢、不锈钢通用铣削加工，更优异的耐磨性，适合不锈钢车削加工，钢件、铸铁车削补充牌号。 The post-treatment process is optimized based on EP5226, Ultrafine grain matrix, with high heat resistance and high toughness composite coating. Suitable for general milling processing of cast iron, steel and stainless steel, with better wear resistance. Suitable for stainless steel turning processing, it is a supplementary grade for steel and cast iron turning processing.**
FP5323	PVD	Nano-AlTiSiN		超细晶粒基体，耐磨损性、抗氧化性能良好的梯度涂层。 实现耐热合金、不锈钢的稳定、长寿命车削、铣削加工。耐热合金加工补充牌号。 Ultrafine grain matrix, gradient coating with good abrasion resistance and oxidation resistance. Achieve stable and long life turning and milling of heat-resistant alloy and stainless steel. It is a supplementary grade for heat-resistant alloy processing.
FP5325	**PVD**	**Nano-AlTiSiN**		**超细晶粒基体，耐磨损性、抗氧化性能良好的梯度涂层。 实现钢不锈钢的稳定、长寿命车削、铣削加工，钛合金加工补充牌号。 Ultrafine grain matrix, gradient coating with good abrasion resistance and oxidation resistance. Achieve stable and long life milling of steel and stainless steel. It is a supplementary grade for titanium alloy processing.**
MP6330	**PVD**	**Nano-AlTiSiN**		**亚微细基体，耐磨损性、抗氧化性能良好的梯度涂层。适合钢、不锈钢、钛合金的通用加工，S类材料经济性优选牌号。 Gradient coating with submicron substrate, good wear resistance and oxidation resistance. Suitable for general processing of steel, stainless steel, and titanium alloys. It is the economical and best choice for S-type materials.**
EP4352	PVD	Nano-AlTiSiN		特殊强韧性、红硬性提升的超细晶粒基体，最新的高耐磨梯度涂层。 通用高性能加工，用于钢、不锈钢和耐热合金的高效铣削，还可用于不锈钢的车削。钛合金、耐热合金补充牌号。 Special high tenacity, ultra-fine grain matrix with improved red hardness, and the latest high wear-resistant gradient coating. General purpose high-performance machining, suitable for efficient milling of steel, stainless steel, and heat resistant alloys, as well as for turning stainless steel. Supplementary grades of titanium alloy and heat resistant alloy.
FP5324	**PVD**	**Nano-AlTiSiN**		**涂层及后处理工艺基于QP5225/FP5224优化，超细晶粒基体，新升级的高耐热和高韧性的梯度涂层。 适合铸铁、钢、不锈钢通用铣削加工，更优异的耐磨性，适合不锈钢车削加工，钢件、铸铁车削补充牌号。 The coating and post-treatment process is optimized based on QP5225/FP5224, an ultra-fine grain matrix featuring a newly upgraded gradient coating with exceptional heat resistance and toughness. It is suitable for general milling processing of cast iron, steel, and stainless steel, offering improved wear resistance. Additionally, it is well-suited for the turning processing of stainless steel and a supplementary grade for turning steel and cast iron.**
MP6329	PVD	TiCN+Al_2O_3+TiN		亚微细基体，新升级的高耐热和高韧性的梯度涂层。不锈钢车削加工首选牌号，也可用于软钢、不稳定工况的补充加工。 Submicro substrate, newly upgraded gradient coating with high heat resistance and high tenacity. It is the best grade choice for turning stainless steel, and can also be used for supplementary processing of softer steel and unstable working conditions.
EC4415	**CVD**	**TiCN+Al_2O_3+TiN**		**极其耐磨的材质，是EC4416的升级款，厚膜CVD多层涂层。连续或轻断续车削灰铸铁和球墨铸铁。 Extremely wear-resistant material, It is upgrated version of EC4416,thick film CVD multilayer coating. Suitable for continuous or light intermittent turning of gray cast iron and ball milled cast iron.**
EC4416	CVD	TiCN+Al_2O_3+TiN		极其耐磨的材质，厚膜CVD多层涂层。连续或轻断续车削灰铸铁和球墨铸铁。 Extremely wear-resistant material, thick film CVD multilayer coating.Suitable for continuous or light intermittent turning of gray cast iron and ball milled cast iron.
FC5413	**CVD**	**TiCN+Al_2O_3+TiN**		**基体成分基于FC5415优化，提升了抗塑性变形能力和刃线安全性，优异的耐磨性实现良好工况下高线速度的长寿命加工，厚膜CVD多层涂层，结合力优良，精-半精加工。 Optimized based on FC5415 insert grade,the matrix composition enhances plasticity resistance and edge line safety. This optimization is crucial in improving the plasticity resistance and ensuring edge line safety. The exceptional wear resistance enables long-lasting processing at high line speeds in favorable working conditions.**
FC5415	CVD	TiCN+Al_2O_3+TiN		抗塑性变形的耐磨基体，厚膜CVD多层涂层，结合力优良。钢件的高速、高效率车削，精-半精加工。 Plastic deformation resistant wear-resistant substrate, thick film CVD multilayer coating, excellent adhesion. Suitable for high-speed and high-efficiency turning of steel parts, as well as finishing and semi finishing.
FC5423	**CVD**	**TiCN+Al_2O_3+TiN**		**基体成分基于FC5425优化，提升了基材高温强度和红硬性，实现卓越的综合性能，即使在强断续、恶劣工况下，仍能稳定加工，厚膜CVD多层涂层，结合力优良。钢件轻断续-断续加工，通用钢用车削加工的欧美品牌替代首选。 The matrix composition is optimized based on the FC5425 insert grade, enhancing the substrate's high-temperature strength and red hardness, thereby achieving exceptional overall performance. It ensures stable processing even under intense intermittent and harsh working conditions due to its thick film CVD multi-layer coating with excellent bonding force. It is the first alternative choice for European and American brands in terms of wear and crack resistance.**
FC5425	**CVD**	**TiCN+Al_2O_3+TiN**		**兼具耐磨和抗崩刃性的基体，厚膜CVD多层涂层，结合力优良。钢件轻断续-断续加工，通用钢用车削加工的首选。 A matrix with both wear resistance and chipping resistance, as well as a thick film CVD multilayer coating, providing excellent adhesion. Suitable for light intermittent - intermittent machining of steel parts, it is the first choice for general turning processing.**

车削刀片 Turning Insert

车削刀片材质说明
Turing Insert Material Directions

新牌号 New Type	涂层工艺 Coating Process	涂层成分 Coating Composition	涂层颜色 Coating Color	应用特征 Application Signature
MC6435	CVD	TiCN+Al_2O_3+TiN		亚细高韧性基体，厚膜CVD多层涂层，结合力优良。极高的加工安全性。钢件重载加工和断续车削。 Sub fine and high tenacity substrate, thick film CVD multilayer coating, excellent adhesion. Extremely safety processing. Suitable for heavy duty machining and intermittent turning of steel parts.
FP5355	PVD	Nano-AlTiSiN		耐热性和强韧性优化的超细晶粒基体，耐磨损性、抗氧化性能良好的梯度涂层。耐热合金通用加工首选牌号。 It is the heat resistance and high tension optimized ultra-fine grain matrix, with a gradient coating with good wear resistance and oxidation resistance. It is the best grade choice for general processing of heat resistant alloys.
NA10	-	-	-	亚微细晶粒材质确保刀片耐磨性能和抗微崩性，表面特殊处理，降低积屑瘤，适用于有色金属的连续和轻断续加工。 The sub fine grain material ensures the wear resistance and micro collapse resistance of the insert, with special surface treatment to reduce scratch iron deposition. Suitable for continuous and light intermittent proccessing of non ferrous metals.

可转位刀具 Indexable Tool

车削刀片 Turning Insert

车刀片材质对比表-CVD涂层
Insert Grades Comperison Table-Turning(CVD Coating)

类别 Category	ISO	探戈 TORKOAL	三菱 MiTSUBiSHi	住友 SUMITOMO	泰珂洛 TUNGALOY	京瓷 KYOCERA	戴杰 DIJET	日立 HITACHI	克洛伊 KORLOY	特固克 TaeguTec	山特维克 SANDVIK	瓦尔特 Walter	肯纳 KENNAMETAL	山高 SECO	伊斯卡 ISCAR	株洲钻石 ZCC.CT
P	01		UE6105	AC810P	T9105	CA510	JC110V	HG8010		TT8115	GC4305	WAPP01	KCP05B KCP05	TP0501	IC9150	
				AC700G		CA5505					GC4205	WPP05	KC9105	Tp0500	IC8150	
												WPP05S		TP1501	IC428	
														TP1500		
	10	**FC5413**	UE6105	AC8015P	T9105	CA510	JC110V	HG8010	NC310	TT8115	GC4315	WAPP05	KCP10B	TP1501	IC9150	YBC152
		FC5415	UE6110	AC810P	T9115	CA5505	JC215V	HG8025	NC3015		GC4215	WPP10	KCP10	TP1500	IC8250	YBC151
			MC6015	AC700G		CA515		GM8020			GC4325	WAK20	KCP25	TP2501	IC8150	YBC103
			MY5015	AC820P		CA5515						WPP05S	KC9110	TP2500		
				AC2000		CA025P						WPP10S				
	20	**FC5423**	MC6015	AC820P	T9115	CA515	JC110V	HG8025	NC3020	TT8125	GC4315	WPP20	KCP25B	TP2501	IC8250	YBC251
		FC5425	UE6110	AC2000	T9125	CA5515	JC215V	GM8020		TT5100	GC4215	WPP20S	KCP30B	TP2500	IC9250	YBC252
			MC6025	AC8025P		CA525		GM25			GC4325		KCP25		IC9350	YBC203
			UE6020	AC830P		CA5525					GC4225		KC9125			
			MY5015			CR9025										
						CA025P										
	30	**MC6435**	MC6025	AC8035P	T9125	CA525	JC215V	GM25	NC330	TT8125	GC4335	WPP30	KCP30B	TP3501	IC8350	YBC252
			UE6020	AC830P	T9135	CA5525	JC325V			TT5100	GC4325	WAK30	KCP30	TP3500	IC9250	YBC351
			MC6035	AC630M	T6130	CA530				TT8135	GC4225	WPP30S		TP3000	IC9350	YBC352
			UE6035			CA5535					GC4025					
			UH6400			CR9025					GC4235					
	40	**MC6435**	MC6035	AC8035P	T9135	CA530	JC325V	GM8035		TT7100	GC4335		KCP40B	TP3000	IC9350	YBC351
			UE6035	AC630M	T6130	CA5535		GX30		TT8135	GC4235		KCP40	TP400		YBC352
			UH6400										KC9140	TP40		
													KC9240			

车削刀片 Turning Insert

车刀片材质对比表-CVD涂层
Insert Grades Comperison Table-Turning(CVD Coating)

类别 Category	ISO	探戈 TORKOAL	三菱 MiTSUBiSHi	住友 SUMITOMO	泰珂洛 TUNGALOY	京瓷 KYOCERA	戴杰 DIJET	日立 HITACHI	克洛伊 KORLOY	特固克 TaeguTec	山特维克 SANDVIK	瓦尔特 Walter	肯纳 KENNAMETAL	山高 SECO	伊斯卡 ISCAR	株洲钻石 ZCC.CT
M	01		MC7015	AC610M	T9115	CA6515	JX605X			TT9215	GC2015	WAM10	KCM15B	TM2000	IC6015	
			US7020	AC6020M			JC110V				GC2220		KCM15		IC8250	
	20		MC7015	AC6020M	T6120	CA6515	JC110V	HG8025	NC9020	TT9215	GC2220	WAM20	KCM15	TM2000	IC6015	YBM151
			US7020	AC610M	T9125	CA6515		GM25		TT9225	GC2015		KC9225			YBM251
			MC7025	AC6030M									KCM25B			
				AC630M												
	30		MC7025	AC6030M	T6130	CA6525	JX525X	HG8035	NC330	TT9225	GC2025	WAM30	KCM25	TM4000	IC6025	YBM151
			US735	AC630M				GX30		TT9235			KC9230			YBM251
													KCM35B			
	40		US735	AC6030M			JX525X	GX30		TT9235	GC2025		KCM35B	TM4000	IC6025	YBM253
				AC630M									KCM35			
													KC9240			
													KC9245			
K	01		MC5005	AC405K	T50105	CA4505	JC050W	HX3505			GC3205	WAK10	KCK05B	TK0501	IC5005	YBD052
			UC5015	AC410K		CA4010	JC105V				GC3210	WPP01	KCK05	TH1500		
	10	**EC4415**	MC5015	AC405K	T5105	CA315	JC108W	HX3515	N305K	TT7005	GC3205	WPP10	KCK15B	TK0501	IC5005	YBD102
		EC4416	UC5115	AC410K	T515	CA4515	JC050W	HG8010			GC3210	WAK10	KCK15	TH1501	IC5010	
			MY5015	AC415K	T5115	CA4010	JC105V					WKK10S	KCK20		IC428	
				AC420K		CA4115	JC110V						KC9315			
				AC700G									KCK20B			
	20		MC5015	AC415K	T515	CA320	JC108W	HG8025	N315K	TT7310	GC3225	WPP20	KCK20B	TK1501	IC5010	YBD152
			UC5115	AC420K	T5115	CA4515	JC110V	GM8020			GC3215	WAK20	KCK20		IC8150	YBD252
			UE6110	AC700G	T5125	CA4115	JV215V					WKK20S	KC9325			
			MY5015	AC820P		CA4120							KCPK05			
	30		UE6110	AC820P	T9115		JV215	HG8025			GC3225	WAK30	KCPK05			
					T5125			GM8020				WKP30S				
S	01		US905			CA6515		HS9105			S05F					
						CA6525		HS9115								
						CA6535										

车刀片材质对比表-PVD涂层
Insert Grades Comperison Table-Turning(PVD Coating)

类别 Category	ISO	探戈 TORKOAL	三菱 MiTSUBiSHi	住友 SUMITOMO	泰珂洛 TUNGALOY	京瓷 KYOCERA	戴杰 DIJET	日立 HITACHI	克洛伊 KORLOY	特固克 TaeguTec	山特维克 SANDVIK	瓦尔特 Walter	肯纳 KENNAMETAL	山高 SECO	伊斯卡 ISCAR	株洲钻石 ZCC.CT
P	01	**UP3205**				PR1005						WXN10				
		UP3206														
		UP3306														
	10	**EP4215**	VP10MF		AH710	PR1005					GC1125	WSM10	KCU10	CP200	IC250	YBG102
		CP4324	MS6015			PR930						WSM21	KC5010	TS2000	IC507	
						PR1025							KC5510		IC570	
						PR1115							KU10T		IC807	
						PR1225									IC907	
						PR1425									IC908	
	20	**EP4220**	VP10RT	AC520U	AH120	PR930		IP2000	PC230	TT9030	GC1125	WSM21	KCU10	TS2500	IC1007	YBG202
		FP5225	VP20RT		AH730	PR1025					GC15	WSM20	KC5025		IC250	
		EP5225	VP15TF		AH725	PR1115							KC5525		IC308	
		FP5224	VP20MF		SH725	PR1225							KU25T		IC507	
		FP5324	MS6015		SH730	PR1425									IC807	
		FP5325			J740	PR1535									IC808	
		CP5225													IC907	
		CP4324													IC908	
															IC1008	
															IC1028	
															IC3028	
	30	**MP6230**	VP10RT	AC1030U	AH725	PR1025		IP3000		TT9030	GC1125	WSM30	KCU25	CP500	IC228	YBG202
		MP6330	VP20RT	AC530U	AH120	PR1225				TT8020			KC5525		IC250	
		MP6235	VP15TF		AH730	PR1425							KU25T		IC328	
		CP5230	VP20MF		SH730	PR1535									IC330	
					GH330	PR1625									IC354	
					GH730										IC528	
					J740										IC1008	
					SH725										IC1028	
															IC3028	
	40		VP15TF		AH120	PR1535			PC240	TT8020				CP500	IC228	
			VP20MF		AH725									CP600	IC328	
					AH645										IC528	
															IC928	
															IC1008	
															IC1028	
															IC3028	

车削刀片 Turning Insert

车刀片材质对比表-PVD涂层
Insert Grades Comperison Table-Turning(PVD Coating)

类别 Category	ISO	探戈 TORKOAL	三菱 MiTSUBiSHi	住友 SUMITOMO	泰珂洛 TUNGALOY	京瓷 KYOCERA	戴杰 DIJET	日立 HITACHI	克洛伊 KORLOY	特固克 TaeguTec	山特维克 SANDVIK	瓦尔特 Walter	肯纳 KENNAMETAL	山高 SECO	伊斯卡 ISCAR	株洲钻石 ZCC.CT
M	10	**UP3306**	VP10MF		AH630	PR1025	JC5003	IP050S			GC1115	WSM10	KCU10	CP200	IC354	YBG202
			MS6015			PR1225	JC8015				GC15	WSM10S	KC5010	TS2000	IC507	YBG205
						PR1425					GC1105		KC5510		IC520M	
															IC807	
															IC907	
															IC1007	
															IC5080T	
	20	**FP5225**	VP10RT	AC520U	AH725	PR1025	JC5003	IP100S	PC9030	TT9030	GC1115	WSM20	KCU10	TS2500	IC354	YBG202
		FP5224	VP20RT		AH120	PR1125	JC5015			TT8010	GC15	WSM21	KC5010	CP500	IC808	YBG205
		FP5323	VP15TF		SH730	PR1225	JC8015				GC1125	WSM20S	KC5510		IC908	
		EP4351	VP20MF		AH630	PR1425	JC5118								IC1008	
		EP4352			SH725	PR915									IC1028	
		FP5324				PR930									IC3028	
		FP5355				PR1535									IC5080T	
		CP5225														
	30	**MP6230**	VP10RT	AC520U	AH725	PR1125	JC5015		PC9030	TT8020	GC1125	WSM30	KCU25	CP500	IC228	
		MP6330	VP20RT	AC530U	AH120	PR1425	JC8015				GC2035	WSM30S	KC5525	CP600	IC250	
		MP6235	VP15TF	AC1030U	SH730	PR1535	JC5118						KU25T		IC328	
		MP6258	VP20MF	AC6040U	AH630										IC330	
			MP7035		SH725										IC1008	
															IC1028	
															IC9080T	
	40		MP7035	AC530U	AH645	PR1535	JC5118				GC2035				IC328	
				AC6040U											IC928	
															IC1008	
															IC1028	
															IC3028	
															IC9080T	
K	01				AH110											
	10			AC510U	GH110				PC205K	TT9030	GC15		KCU10	CP200	IC350	
					AH110								KC5010	TS2000	IC910	
													KC5510		IC1008	
	20	**EP4220**	VP10RT		AH120				PC215K	TT9030			KCU15	CP200	IC228	
		FP5225	VP15TF										KCU25	TS2000	IC350	
		FP5224	VP20RT											TS2500	IC808	
		FP5324													IC830	

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车削刀片 Turning Insert

车刀片材质对比表-PVD涂层
Insert Grades Comperison Table-Turning(PVD Coating)

类别 Category	ISO	探戈 TORKOAL	三菱 MiTSUBiSHi	住友 SUMITOMO	泰珂洛 TUNGALOY	京瓷 KYOCERA	戴杰 DIJET	日立 HITACHI	克洛伊 KORLOY	特固克 TaeguTec	山特维克 SANDVIK	瓦尔特 Walter	肯纳 KENNAMETAL	山高 SECO	伊斯卡 ISCAR	株洲钻石 ZCC.CT
K	20	**CP5225**													IC908	
															IC1007	
															IC1008	
	30		VP15TF		AH120					TT9030			KCU25	CP500	IC228	
			VP10RT		GH130								KC5525		IC350	
			VP20RT										KU25T		IC808	
															IC830	
															IC908	
															IC1007	
															IC1008	
S	01	**UP3205**	MP9005		AH8005	PR005S	JC5003	JP105				WSM10		TH1000	IC507	
		UP3206	VP05RT			PR1305	JC8015								IC807	
		UP3306													IC903	
		EP4255													IC806	
															IC5080T	
	10	**UP3205**	MP9005	AC510U	AH8005	PR005S	JC5015	JP9115		TT8010	GC1105	WSM10	KCU10	CP200	IC228	YBG102
		UP3206	MP9015		AH8015	PR1310	JC5003				GC15	WSM10S	KC5010	CP250	IC300	YBG105
		UP3306	VP10RT			PR015S	JC8015						KC5410	TS2000	IC328	YBG202
		EP4255											KC5510	TS2050	IC808	
														TS2500	IC908	
														TH1000	IC928	
															IC3028	
															IC806	
															IC9080T	
	20	**FP5323**	MP9005	AC510U	AH8015	PR015S	JC5015			TT8020	GC1125	WSM20	KCU10	TS2500	IC928	YBG202
		EP4351	MP9015	AC520U		PR1125	JC8015					WSM20S	KCU25	CP500	IC830	
		FP5325				PR1325	JC5118					WSM21	KC5025			
		EP4352											KC5525			
		FP5355														
	30	**MP6330**	VP15TF	AC1030U	AH630	PR1125	JC5118				GC1125	WSM30	KC5525	CP600		
		MP6258	MP9025		AH7025	PR1535						WSM30S				
			VP20RT													

车削刀片 Turning Insert

车刀片断屑槽选型表-负角刀片
Comperison Table of chip breaker for turning insert - Negative

ISO	范畴 Machining	探戈 TORKOAL	山特维克 SANDVIK	克洛伊 KORLOY	特固克 TaeguTec	瓦尔特 Walter	山高 SECO	三菱 MiTSUBiSHi	住友 SUMITOMO	肯纳 KENNAMETAL	戴杰 DIJET	日立 HITACHI	泰珂洛 TUNGALOY	京瓷 KYOCERA
P	精加工 Finish	**PF1**	PF/MF	HF	FG	NS6	MF2	C/SA/SH	SU/LU/SX	LF/FN	PF/UR/UA/UT	BE/CE	NS/27/TS/AS	HQ/CQ
	半精加工 Half-finish	**PF3/PWB3/ PW2/PW3**	PM/QM/SM	HA/HC/HM	MC/ML/MP	NM4/NM6	MF3/M3/M5	MV/MA/MH	GU/UG/UX	MG/MN	PG/UB	AB/AY/AE	NM/ZM/TM/ DM/37	CJ/GS/PS/ HS/PT/CS
	粗加工 Rough	**PF4/PG5**	PR	MT/MG	NM9	MR7	GH	MU/MX	RN	RN	UD/GG	AR/RE	TH	GT/HT
M	精加工 Finish	**MW1**	MF	HA	FG/SF	NF4		FS	SU	K/FP		SE	SS	GU
	半精加工 Half-finish	**MF3**	MM	HS	ML/MP	NM4		MS/ES	EX/UP	P/MP	SF/SG	DE	SA/SM/S	SU/HU/ST
	粗加工 Rough	**MW3/GW3**	MR	GS/HM	MT/RH	NR4	M5/MR7/S6/ R6	GH/HZ	MP	RP				
K	精加工 Finish	-	KF		FG	MA			UZ	FN		Y	CM	C
	半精加工 Half-finish	**KF3/KEB3**	KM	HM	MC/MT/MG	MA/NM5			UX	UN		V	33	ZS/GC
	粗加工 Rough	-	KR	GR/HR/GH	RT/RH	MA								
S	精加工 Finish	-			SF	NF4	MF1	FJ		FS/K				
	半精加工 Half-finish	**SW3**	NGP/23			NM4	M1	MJ	SU	NGP			SA	
	粗加工 Rough	-	SR			NR4		GJ		MS				

车刀片断屑槽选型表-正角刀片
Comperison Table of chip breaker for turning insert - Positive

ISO	范畴 Machining	探戈 TORKOAL	山特维克 SANDVIK	克洛伊 KORLOY	特固克 TaeguTec	瓦尔特 Walter	山高 SECO	三菱 MiTSUBiSHi	住友 SUMITOMO	肯纳 KENNAMETAL	戴杰 DIJET	日立 HITACHI	泰珂洛 TUNGALOY	京瓷 KYOCERA
P	精加工 Finish	MW2	UF/PF	HFP	FA/FG	PF4	FF1/F1	FV/SV	FP/LU/SU/SK	11/UF/LF		PJQ	01/PF/FS	GP/XP/VF
	半精加工 Half-finish	GF2	UM/PM	HMP/C25	MT/CMX	PS5/PM5	F2	MV	MU	MF	FT	JE	PM/23/24	HQ/XQ/GK
M	精加工 Finish	MW2	MF	HFP	FA/FG	PF4		SV					SS	
	半精加工 Half-finish	GF2	MM	HMP/C25	MT/CMX	PS5/PM5		MV						
K	半精加工 Half-finish	GF2	KF/KM/KR	HMP/C25	MT/CMX	MW/PS5/PM5					FT			
S	精/半精加工 Finish Half-finish	MW2				PF4/PS5/PM5		FJ	SC	LF/HP				
N	-	NO1/NO3	AL	TA/AK/MA	FL	PM2			AG	HP	ALU/ACB		PP	A3

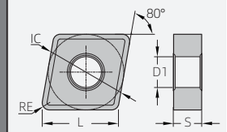
车削刀片 Turning Insert

可转位刀具 Indexable Tool

车削刀片 Turning Insert

CN | CN**刀片 CN** Insert

适用： ■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig	工件材料 Work Piece																		
	P钢	■	■	◆	◆	▼			◆	◆	◆	◆	▽		◆	▽			
	M不锈钢								◇	◇	◆	◆	▼	◆	◇	▼	◆		
	K铸铁						■	■	◆	◆	◇	◆			◆				
	N有色金属																		■
	S耐热合金										◆	◇	▼	◇		▽	◆		
	H高硬度材料									◇				◇	◇				

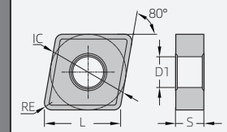
技术参数 Technical parameters	型号 Specification	尺寸 Dimention					刀片牌号 Insert Grade																
		L	IC	S	D1	RE	FC5413	FC5415	FC5423	FC5425	MC6435	EC4416	EC4415	FP5225	FP5224	FP5323	FP5325	MP6330	EP4352	FP5324	MP6329	FP5355	NA10
钢件-精加工 P-Finish Process	CNMG120404-PF1	12.90	12.70	4.76	5.16	0.40		○	○	○													
钢件-半精加工 P-Semi-finish Process	CNMG120404-PF3	12.90	12.70	4.76	5.16	0.40		●		●													
	CNMG120408-PF3	12.90	12.70	4.76	5.16	0.80	●	●	▲	▲	○												
	CNMG120412-PF3	12.90	12.70	4.76	5.16	1.20		●	○	▲	○												
	CNMG160608-PF3	16.10	15.88	6.35	6.35	0.80		○	○	○	○												
	CNMG160612-PF3	16.10	15.88	6.35	6.35	1.20		●	○	●	○												
钢件-半精加工 P-Semi-finish Process	CNMG120404-PWB3	12.90	12.70	4.76	5.16	0.40		○	○	●	○												
	CNMG120408-PWB3	12.90	12.70	4.76	5.16	0.80		○	▲	●	○												
	CNMG120412-PWB3	12.90	12.70	4.76	5.16	1.20		○	○	●	○												
钢件-半精加工 P-Semi-finish Process	CNMG120408-PW2	12.90	12.70	4.76	5.16	0.80	●		▲														
	CNMG120412-PW2	12.90	12.70	4.76	5.16	1.20	●		▲														
钢件-半精加工 P-Semi-finish Process	CNMG120404-PW3	12.90	12.70	4.76	5.16	0.40		○	○	○	○												
	CNMG120408-PW3	12.90	12.70	4.76	5.16	0.80		○	○	●	○												
	CNMG120412-PW3	12.90	12.70	4.76	5.16	1.20		○	○	○	○												
	CNMG160608-PW3	16.10	15.88	6.35	6.35	0.80		○	○	○	○												
	CNMG160612-PW3	16.10	15.88	6.35	6.35	1.20		○	○	○	○												
	CNMG190612-PW3	19.30	19.05	6.35	7.94	1.20		○	○	●	○												
钢件-粗加工 P-Rough Process	CNMG120404-PF4	12.90	12.70	4.76	5.16	0.40			○	○	○												
	CNMG120408-PF4	12.90	12.70	4.76	5.16	0.80			○	●	○												
	CNMG120412-PF4	12.90	12.70	4.76	5.16	1.20			○	●	○												
	CNMG160608-PF4	16.10	15.88	6.35	6.35	0.80			○	○	○												
	CNMG160612-PF4	16.10	15.88	6.35	6.35	1.20			○	○	○												
	CNMG160616-PF4	16.10	15.88	6.35	6.35	1.60			○	○	○												
	CNMG190608-PF4	19.30	19.05	6.35	7.94	0.80			○	○	○												
	CNMG190612-PF4	19.30	19.05	6.35	7.94	1.20			○	●	○												
	CNMG190616-PF4	19.30	19.05	6.35	7.94	1.60			●	●	○												
	CNMG190624-PF4	19.30	19.05	6.35	7.94	2.40			○	○	○												

库存： ▲ 主推牌号 ● 可选牌号 ○ 按订单生产
Stock: ▲ Excellent(Instock) ● Good(Instock) ○ On Request

车削刀片 Turning Insert

CN | CN**刀片 CN** Insert

适用： ■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig	工件材料 Work Piece																		
	P钢	■	■	◆	◆	▼			◆	◆	◆	◆	▽		◆	▽			
	M不锈钢								◇	◇	◆	◆	▼	◆	◇	▼	◆		
	K铸铁						■	■	◆	◆	◇	◆			◆				
	N有色金属																		■
	S耐热合金										◆	◇	▼	◇		▽	◆		
	H高硬度材料									◇				◇	◇				

技术参数 Technical parameters	型号 Specification	尺寸 Dimention					刀片牌号 Insert Grade																
		L	IC	S	D1	RE	FC5413	FC5415	FC5423	FC5425	MC6435	EC4416	EC4415	FP5225	FP5224	FP5323	FP5325	MP6330	EP4352	FP5324	MP6329	FP5355	NA10
钢件-重载加工 P-Heavy-duty Process	CNMM190612-PG5	19.30	19.05	6.35	7.94	1.20				○	○												
	CNMM190616-PG5	19.30	19.05	6.35	7.94	1.60				○	○												
	CNMM190624-PG5	19.30	19.05	6.35	7.94	2.40				●	○												
	CNMM250724-PG5	25.79	25.40	7.94	9.12	2.40				○	○												
	CNMM250924-PG5	25.79	25.40	9.53	9.12	2.40		●		●	○												
	CNMM250932-PG5	25.79	25.40	9.53	9.12	3.20		○		○	○												
不锈钢-精加工 M-Finish Process	CNMG090304-MW1	9.70	9.53	3.18	9.81	0.40									●		○						
	CNMG090308-MW1	9.70	9.53	3.18	9.81	0.80									●		○						
	CNMG120404-MW1	12.90	12.70	4.76	5.16	0.40									●	●	○			●	▲		
	CNMG120408-MW1	12.90	12.70	4.76	5.16	0.80									●	●	○			●	▲		
	CNMG120412-MW1	12.90	12.70	4.76	5.16	1.20									●		○						
不锈钢-半精加工 M-Semi-finish Process	CNMG120404-MF3	12.90	12.70	4.76	5.16	0.40											○			○	○		
	CNMG120408-MF3	12.90	12.70	4.76	5.16	0.80										●	●			●	▲		
	CNMG120412-MF3	12.90	12.70	4.76	5.16	1.20											○			○	○		
不锈钢/合金钢-半精加工-粗加工 M/P-Semi-finish Process-Rough Process	CNMG120404-GW3	12.90	12.70	4.76	5.16	0.40									●					●	●	●	
	CNMG120408-GW3	12.90	12.70	4.76	5.16	0.80				●					●		●			●	●	○	
	CNMG120412-GW3	12.90	12.70	4.76	5.16	1.20									●						●	●	
不锈钢-半精加工-粗加工 M-Semi-finish Process-Rough Process	CNMG120404-MW3	12.90	12.70	4.76	5.16	0.40															○		
	CNMG120408-MW3	12.90	12.70	4.76	5.16	0.80															○		
	CNMG120412-MW3	12.90	12.70	4.76	5.16	1.20															○		
铸铁-半精加工 K-Semi-finish Process	CNMG120404-KF3	12.90	12.70	4.76	5.16	0.40						●	○										
	CNMG120408-KF3	12.90	12.70	4.76	5.16	0.80						●	○										
	CNMG120412-KF3	12.90	12.70	4.76	5.16	1.20						●	○										
	CNMG160608-KF3	16.10	15.88	6.35	6.35	0.80						●	○										
	CNMG160612-KF3	16.10	15.88	6.35	6.35	1.20							○										
	CNMG160616-KF3	16.10	15.88	6.35	6.35	1.60							○										
	CNMG190612-KF3	19.30	19.05	6.35	7.94	1.20							○										

库存： ▲ 主推牌号 ● 可选牌号 ○ 按订单生产
Stock: ▲ Excellent(Instock) ● Good(Instock) ○ On Request

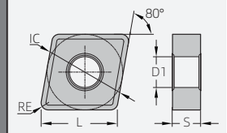
可转位刀具 Indexable Tool

车削刀片 Turning Insert

CN | CN**刀片 CN** Insert

适用： ■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig



工件材料 Work Piece																		
P钢	■	■	◆	◆	▼			◆	◆	◆	◆	▽		◆	▽			
M不锈钢								◇	◇	◆	◆	▼	◆	◇	▼	◆		
K铸铁						■	■	◆	◆	◇	◆			◆				
N有色金属																		■
S耐热合金										◆	◇	▼	◇		▽	◆		
H高硬度材料									◇				◇	◇				

技术参数 Technical parameters	型号 Specification	尺寸 Dimention					刀片牌号 Insert Grade																
		L	IC	S	D1	RE	FC5413	FC5415	FC5423	FC5425	MC6435	EC4416	EC4415	FP5225	FP5224	FP5323	FP5325	MP6330	EP4352	FP5324	MP6329	FP5355	NA10
铸铁-半精加工 K-finish Process	CNMA120408-KEB3	12.90	12.70	4.76	5.16	0.80						●	○										
	CNMA120412-KEB3	12.90	12.70	4.76	5.16	1.20						●	○										
耐热合金-半精加工 S-Semi-finish Process	CNMG120404-SW3	12.90	12.70	4.76	5.16	0.40											○		○	○			
	CNMG120408-SW3	12.90	12.70	4.76	5.16	0.80											●		●	●		▲	
	CNMG120412-SW3	12.90	12.70	4.76	5.16	1.20											●		●				
	CNMG160608-SW3	16.10	15.88	6.35	6.35	0.80											○						
	CNMG160612-SW3	16.10	15.88	6.35	6.35	1.20											○						
	CNMG160616-SW3	16.10	15.88	6.35	6.35	1.60											○						
	CNMG190612-SW3	19.30	19.05	6.35	7.94	1.20											●			●		●	
通用-半精加工 G-Semi-finish Process	CNMG120408R-GF3	12.90	12.70	4.76	5.16	0.80					●												
铝用-精加工 N-Finish Process	CNGG120402-NO1	12.90	12.70	4.76	5.16	0.20																	●
	CNGG120404-NO1	12.90	12.70	4.76	5.16	0.40																	●
	CNGG120408-NO1	12.90	12.70	4.76	5.16	0.80																	●
	CNGG120412-NO1	12.90	12.70	4.76	5.16	1.20																	●

库存： ▲ 主推牌号 ● 可选牌号 ○ 按订单生产
Stock: ▲ Excellent(Instock) ● Good(Instock) ○ On Request

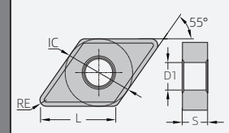
可转位刀具 Indexable Tool

车削刀片 Turning Insert

DN | DN**刀片 DN** Insert

适用： ■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig



工件材料 Work Piece																		
P钢	■	■	◆	◆	▼			◆	◆	◆	◆	▽		◆	▽			
M不锈钢								◇	◇	◆	◆	▼	◆	◇	▼	◆		
K铸铁						■	■	◆	◆	◇	◆			◆				
N有色金属																		■
S耐热合金										◆	◇	▼	◇		▽	◆		
H高硬度材料									◇				◇	◇				

技术参数 Technical parameters	型号 Specification	尺寸 Dimention					刀片牌号 Insert Grade																
		L	IC	S	D1	RE	FC5413	FC5415	FC5423	FC5425	MC6435	EC4416	EC4415	FP5225	FP5224	FP5323	FP5325	MP6330	EP4352	FP5324	MP6329	FP5355	NA10
钢件-精加工 P-Finish Process	DNMG150404-PF1	15.50	12.70	4.76	4.76	0.40		○		○													
	DNMG150408-PF1	15.50	12.70	4.76	4.76	0.80		○		○													
	DNMG150604-PF1	15.50	12.70	6.35	6.35	0.40		○		○													
	DNMG150608-PF1	15.50	12.70	6.35	6.35	0.80		○		○													
钢件-半精加工 P-Semi-finish Process	DNMG150404-PF3	15.50	12.70	4.76	4.76	0.40		○		○	○												
	DNMG150408-PF3	15.50	12.70	4.76	4.76	0.80		●		▲	○												
	DNMG150412-PF3	15.50	12.70	4.76	4.76	1.20		○		○	○												
	DNMG150604-PF3	15.50	12.70	6.35	6.35	0.40		○		○	○												
	DNMG150608-PF3	15.50	12.70	6.35	6.35	0.80		●	▲	▲	○												
	DNMG150612-PF3	15.50	12.70	6.35	6.35	1.20		○		○	○												
钢件-半精加工 P-Semi-finish Process	DNMG150404-PWB3	15.50	12.70	4.76	4.76	0.40		○		●		●											
	DNMG150408-PWB3	15.50	12.70	4.76	4.76	0.80		○		●													
	DNMG150412-PWB3	15.50	12.70	4.76	4.76	1.20		○		●													
	DNMG150604-PWB3	15.50	12.70	6.35	6.35	0.40		○		●													
	DNMG150608-PWB3	15.50	12.70	6.35	6.35	0.80		○	▲	●		●											
	DNMG150612-PWB3	15.50	12.70	6.35	6.35	1.20		○		●													
钢件-半精加工 P-Semi-finish Process	DNMG150404-PW3	15.50	12.70	4.76	4.76	0.40		○		○	○												
	DNMG150408-PW3	15.50	12.70	4.76	4.76	0.80		●		▲	○												
	DNMG150412-PW3	15.50	12.70	4.76	4.76	1.20		○		○	○												
	DNMG150604-PW3	15.50	12.70	6.35	6.35	0.40		○		○	○												
	DNMG150608-PW3	15.50	12.70	6.35	6.35	0.80		○		▲													
	DNMG150612-PW3	15.50	12.70	6.35	6.35	1.20		○		○	○												
钢件-粗加工 P-Rough Process	DNMG150408-PF4	15.50	12.70	4.76	4.76	0.40				○	○												
	DNMG150412-PF4	15.50	12.70	4.76	4.76	0.80				○	○												
	DNMG150608-PF4	15.50	12.70	6.35	6.35	0.40				○	○												
	DNMG150612-PF4	15.50	12.70	6.35	6.35	0.80				○	○												
不锈钢-精加工 M-Finish Process	DNMG150404-MW1	15.50	12.70	4.76	4.76	0.40								○		○			○				
	DNMG150408-MW1	15.50	12.70	4.76	4.76	0.80								○		○			○				
	DNMG150604-MW1	15.50	12.70	6.35	6.35	0.40								●		○			●				
	DNMG150608-MW1	15.50	12.70	6.35	6.35	0.80								●	●	●			●				

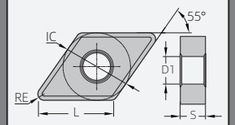
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Stock: ▲ Excellent(Instock) ● Good(Instock) ○ On Request

车削刀片 Turning Insert

DN | DN**刀片 DN** Insert

适用：■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig



工件材料 Work Piece	FC5413	FC5415	FC5423	FC5425	MC6435	EC4416	EC4415	FP5225	FP5224	FP5323	FP5325	MP6330	EP4352	FP5324	MP6329	FP5355	NA10
P钢	■	■	◆	◆	▼			◆	◆	◆	◆	▽		◆	▽		
M不锈钢								◇	◇	◆	◆	▼	◆	◇	▼	◆	
K铸铁						■	■	◆	◆	◇	◆			◆			
N有色金属																	■
S耐热合金										◆	◇	▼	◇		▽	◆	
H高硬度材料								◇					◇	◇			

技术参数 Technical parameters	型号 Specification	尺寸 Dimention L	IC	S	D1	RE	刀片牌号 Insert Grade FC5413	FC5415	FC5423	FC5425	MC6435	EC4416	EC4415	FP5225	FP5224	FP5323	FP5325	MP6330	EP4352	FP5324	MP6329	FP5355	NA10
耐热合金/不锈钢-半精加工 S/M-Semi-finish Process	DNMG150404-SW3	15.50	12.70	4.76	4.76	0.40								●			●					○	
	DNMG150408-SW3	15.50	12.70	4.76	4.76	0.80											○					○	
	DNMG150412-SW3	15.50	12.70	4.76	4.76	1.20											○					○	
	DNMG150604-SW3	15.50	12.70	6.35	6.35	0.40											○					○	
	DNMG150608-SW3	15.50	12.70	6.35	6.35	0.80											●					▲	
	DNMG150612-SW3	15.50	12.70	6.35	6.35	1.20											○					○	
铸铁-半精加工 K-Semi-finish Process	DNMG150404-KF3	15.50	12.70	4.76	4.76	0.40						○	○										
	DNMG150408-KF3	15.50	12.70	4.76	4.76	0.80						○	○										
	DNMG150604-KF3	15.50	12.70	6.35	6.35	0.40						●	●										
	DNMG150608-KF3	15.50	12.70	6.35	6.35	0.80						●	●										
铝用-精加工 N-Finish Process	DNGG150402-NO1	15.50	12.70	4.76	4.76	0.20																	●
	DNGG150404-NO1	15.50	12.70	4.76	4.76	0.40																	●
	DNGG150408-NO1	15.50	12.70	4.76	4.76	0.80																	●
	DNGG150602-NO1	15.50	12.70	6.35	6.35	0.20																	●
	DNGG150604-NO1	15.50	12.70	6.35	6.35	0.40																	●
	DNGG150608-NO1	15.50	12.70	6.35	6.35	0.80																	●

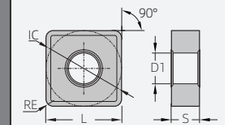
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Stock: ▲ Excellent(Instock) ● Good(Instock) ○ On Request

车削刀片 Turning Insert

SN | SN**刀片 SN** Insert

适用：■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig



工件材料 Work Piece	FC5413	FC5415	FC5423	FC5425	MC6435	EC4416	EC4415	FP5225	FP5224	FP5323	FP5325	MP6330	EP4352	FP5324	MP6329	FP5355	NA10
P钢	■	■	◆	◆	▼			◆	◆	◆	◆	▽		◆	▽		
M不锈钢								◇	◇	◆	◆	▼	◆	◇	▼	◆	
K铸铁						■	■	◆	◆	◇	◆			◆			
N有色金属																	■
S耐热合金										◆	◇	▼	◇		▽	◆	
H高硬度材料									◇				◇	◇			

技术参数 Technical parameters	型号 Specification	尺寸 Dimention L	IC	S	D1	RE	刀片牌号 Insert Grade FC5413	FC5415	FC5423	FC5425	MC6435	EC4416	EC4415	FP5225	FP5224	FP5323	FP5325	MP6330	EP4352	FP5324	MP6329	FP5355	NA10
钢件-精加工 P-Finish Process	SNMG120404-PF1	12.70	12.70	4.76	5.16	0.40		○		○													
钢件-半精加工 P-Semi-finish Process	SNMG120404-PF3	12.70	12.70	4.76	5.16	0.40		○		○	○												
	SNMG120408-PF3	12.70	12.70	4.76	5.16	0.80		○		○	○												
	SNMG120412-PF3	12.70	12.70	4.76	5.16	1.20		●		○	○												
	SNMG150608-PF3	15.88	15.88	6.35	6.35	0.80		○		○	○												
	SNMG190612-PF3	19.05	19.05	6.35	7.94	1.20		○		●	○												
	SNMG190616-PF3	19.05	19.05	6.35	7.94	1.60		○		●	○												
钢件-半精加工 P-Semi-finish Process	SNMG120404-PWB3	12.90	12.70	4.76	5.16	0.40				●													
	SNMG120408-PWB3	12.90	12.70	4.76	5.16	0.80				●													
	SNMG120412-PWB3	12.90	12.70	4.76	5.16	1.20				○													
钢件-粗加工 P-Rough Process	SNMG120408-PF4	12.70	12.70	4.76	5.16	0.80				○	○												
	SNMG120412-PF4	12.70	12.70	4.76	5.16	1.20				○	○												
	SNMG150612-PF4	15.88	15.88	6.35	6.35	1.20				○	○												
	SNMG190612-PF4	19.05	19.05	6.35	7.94	1.20				○	○												
	SNMG190616-PF4	19.05	19.05	6.35	7.94	1.60				●	○										●		
	SNMG250724-PF4	25.40	25.40	7.94	9.53	2.40				●	○												
钢件-重载加工 P-Heavy-duty Process	SNMM190612-PG5	19.05	19.05	6.35	7.94	1.20				○	○												
	SNMM190616-PG5	19.05	19.05	6.35	7.94	1.60				○	○												
	SNMM190624-PG5	19.05	19.05	6.35	7.94	2.40				○	○												
	SNMM250724-PG5	25.40	25.40	7.94	9.53	2.40				○	○												
	SNMM250732-PG5	25.40	25.40	7.94	9.53	2.40				○	○												
	SNMM250924-PG5	25.40	25.40	9.53	9.53	2.40				●	○												
	SNMM250932-PG5	25.40	25.40	9.53	9.53	3.20				○	○												
不锈钢-半精加工 M-Semi-finish Process	SNMG120404-MF3	12.70	12.70	4.76	5.16	0.40												○		○			
	SNMG120408-MF3	12.70	12.70	4.76	5.16	0.80										●		●	●	●	●		
	SNMG120412-MF3	12.70	12.70	4.76	5.16	1.20												○		○			

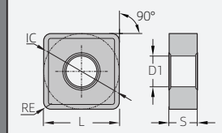
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Stock: ▲ Excellent(Instock) ● Good(Instock) ○ On Request

车削刀片 Turning Insert

SN | SN**刀片 SN** Insert

适用：■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig



工件材料 Work Piece																			
P钢	■	■	◆	◆	▼			◆	◆	◆	◆	▽		◆	▽				
M不锈钢								◇	◇	◆	◆	▼	◆	◇	▼	◆			
K铸铁						■	■	◆	◆	◇	◆			◆					
N有色金属																			■
S耐热合金										◆	◇	▼	◇		▽	◆			
H高硬度材料									◇				◇	◇					

技术参数 Technical parameters	型号 Specification	尺寸 Dimention					刀片牌号 Insert Grade															
		L	IC	S	D1	RE	FC5413	FC5415	FC5423	FC5425	MC6435	EC4416	EC4415	FP5225	FP5224	FP5323	FP5325	MP6330	EP4352	FP5324	MP6329	FP5355	NA10
不锈钢/合金钢-半精加工-粗加工 M/P-Semi-finish Process -Rough Process	SNMG120404-GW3	12.70	12.70	4.76	5.16	0.40				●				●	●								
	SNMG120408-GW3	12.70	12.70	4.76	5.16	0.80				●					●	●	●	●			●		
	SNMG120412-GW3	12.70	12.70	4.76	5.16	1.20											●						
不锈钢-半精加工-粗加工 M-Semi-finish Process -Rough Process	SNMG120408-MW3	12.70	12.70	4.76	5.16	0.80														○			
	SNMG120412-MW3	12.70	12.70	4.76	5.16	1.20														●			
铸铁-半精加工 K-Semi-finish Process	SNMG120408-KF3	12.70	12.70	4.76	5.16	0.80						●	○										
	SNMG120412-KF3	12.70	12.70	4.76	5.16	1.20						●	○										
铸铁-半精加工 K-Semi-finish Process	SNMA120408-KEB3	12.70	12.70	4.76	5.16	0.80						●	○										
	SNMA120412-KEB3	12.70	12.70	4.76	5.16	1.20						●	○										
耐热合金-半精加工 S-Semi-finish Process	SNMG120408-SW3	12.70	12.70	4.76	5.16	0.80											●		●	●		▲	
	SNMG120412-SW3	12.70	12.70	4.76	5.16	1.20											○		○	○		○	
	SNMG150612-SW3	15.88	15.88	6.35	6.35	1.20											●			●		○	
	SNMG190612-SW3	19.05	19.05	6.35	7.94	1.20											●			●		○	
	SNMG190616-SW3	19.05	19.05	6.35	7.94	1.60											○		○	○		○	
通用-半精加工 G-Semi-finish Process	SNMG150612R-GF3	15.88	15.88	6.35	6.35	1.20			●	●													
	SNMG150612L-GF3	15.88	15.88	6.35	6.35	1.20			●	●													
铝用-精加工 N-Finish Process	SNGG120404-NO1	12.70	12.70	4.76	5.16	0.40																	●
	SNGG120408-NO1	12.70	12.70	4.76	5.16	0.80																	●
	SNGG120412-NO1	12.70	12.70	4.76	5.16	1.20																	●

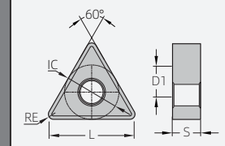
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Stock: ▲ Excellent(Instock) ● Good(Instock) ○ On Request

车削刀片 Turning Insert

TN | TN**刀片 TN** Insert

适用：■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig



工件材料 Work Piece																			
P钢	■	■	◆	◆	▼			◆	◆	◆	◆	▽		◆	▽				
M不锈钢								◇	◇	◆	◆	▼	◆	◇	▼	◆			
K铸铁						■	■	◆	◆	◇	◆			◆					
N有色金属																			■
S耐热合金										◆	◇	▼	◇		▽	◆			
H高硬度材料									◇				◇	◇					

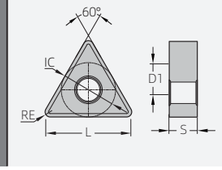
技术参数 Technical parameters	型号 Specification	尺寸 Specification					刀片牌号 Insert Grade															
		L	IC	S	D1	RE	FC5413	FC5415	FC5423	FC5425	MC6435	EC4416	EC4415	FP5225	FP5224	FP5323	FP5325	MP6330	EP4352	FP5324	MP6329	FP5355	NA10
钢件-精加工 P-Finish Process	TNMG160404-PF1	16.50	9.53	4.76	3.81	0.40		○		○													
	TNMG160408-PF1	16.50	9.53	4.76	3.81	0.80		○		●													
钢件-半精加工 P-Semi-finish Process	TNMG160404-PF3	16.50	9.53	4.76	3.81	0.40		○		○	○												
	TNMG160408-PF3	16.50	9.53	4.76	3.81	0.80		●		●	○												
	TNMG160412-PF3	16.50	9.53	4.76	3.81	1.20		●		●	○												
	TNMG220404-PF3	22.00	12.70	4.76	5.16	0.40		○		○	○												
	TNMG220408-PF3	22.00	12.70	4.76	5.16	0.80		○		○	○												
	TNMG220412-PF3	22.00	12.70	4.76	5.16	1.20		○		○	○												
钢件-半精加工 P-Semi-finish Process	TNMG160404-PW3	16.50	9.53	4.76	3.81	0.40				●													
	TNMG160408-PW3	16.50	9.53	4.76	3.81	0.80				●													
	TNMG160412-PW3	16.50	9.53	4.76	3.81	1.20		●		●													
钢件-半精加工 P-Semi-finish Process	TNMG160404-PW2	16.50	9.53	4.76	3.81	0.40	○	●	▲														
	TNMG160408-PW2	16.50	9.53	4.76	3.81	0.80	○	●	▲	●													
	TNMG160412-PW2	16.50	9.53	4.76	3.81	1.20				●													
钢件-半精加工 P-Semi-finish Process	TNMG160404-PW3	16.50	9.53	4.76	3.81	0.40		●		●	○												
	TNMG160408-PW3	16.50	9.53	4.76	3.81	0.80		○		●	○												
	TNMG160412-PW3	16.50	9.53	4.76	3.81	1.20		●		●	○												
钢件-粗加工 P-Rough Process	TNMG160408-PF4	16.50	9.53	4.76	3.81	0.80				○	○												
	TNMG160412-PF4	16.50	9.53	4.76	3.81	1.20				○	○												
	TNMG220408-PF4	22.00	12.70	4.76	5.16	0.80				○	○												
	TNMG220412-PF4	22.00	12.70	4.76	5.16	1.20				○	○												
不锈钢-精加工 M-Finish Process	TNMG160404-MW1	16.50	9.53	4.76	3.81	0.40								●		●	▲		●	●			
	TNMG160408-MW1	16.50	9.53	4.76	3.81	0.80								●		●	●	●	●	●			

库存：▲ 主推牌号 ● 可选牌号 ○ 按订单生产
Stock: ▲ Excellent(Instock) ● Good(Instock) ○ On Request

车削刀片 Turning Insert

TN | TN**刀片 TN** Insert

适用： ■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative



工件材料 Work Piece	FC5413	FC5415	FC5423	FC5425	MC6435	EC4416	EC4415	FP5225	FP5224	FP5323	FP5325	MP6330	EP4352	FP5324	MP6329	FP5355	NA10
P钢	■	■	◆	◆	▼			◆	◆	◆	◆	▽		◆	▽		
M不锈钢								◇	◇	◆	◆	▼	◆	◇	▼	◆	
K铸铁						■	■	◆	◆	◇	◆			◆			
N有色金属																	■
S耐热合金										◆	◇	▼	◇		▽	◆	
H高硬度材料									◇				◇	◇			

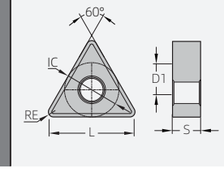
技术参数 Technical parameters	型号 Specification	尺寸 Dimention L	IC	S	D1	RE	刀片牌号 Insert Grade FC5413	FC5415	FC5423	FC5425	MC6435	EC4416	EC4415	FP5225	FP5224	FP5323	FP5325	MP6330	EP4352	FP5324	MP6329	FP5355	NA10
不锈钢-半精加工 M-Semi-finish Process	TNMG160404-MF3	16.50	9.53	4.76	3.81	0.40										●	○	▲	●	●	●		
	TNMG160408-MF3	16.50	9.53	4.76	3.81	0.80										●	○	▲	●	●	●		
	TNMG160412-MF3	16.50	9.53	4.76	3.81	1.20												○		○	○		
	TNMG220408-MF3	22.00	12.70	4.76	5.16	0.80												○		○	○		
	TNMG220412-MF3	22.00	12.70	4.76	5.16	1.20												○		○	○		
不锈钢/合金钢-半精加工-粗加工 M/P-Semi-finish Process-Rough Process	TNMG160404-GW3	16.50	9.53	4.76	3.81	0.40				●				●	●	●				●	●		
	TNMG160408-GW3	16.50	9.53	4.76	3.81	0.80				●				●	●	●			●	●	●		
	TNMG160412-GW3	16.50	9.53	4.76	3.81	1.20								●	●						●		
不锈钢-半精加工-粗加工 M-Semi-finish Process-Rough Process	TNMG160404-MW3	16.50	9.53	4.76	3.81	0.40								○							○		
	TNMG160408-MW3	16.50	9.53	4.76	3.81	0.80								●							●		
	TNMG160412-MW3	16.50	9.53	4.76	3.81	1.20								○							○		
	TNMG220408-MW3	22.00	12.70	4.76	5.16	0.80								○							○		
	TNMG220412-MW3	22.00	12.70	4.76	5.16	1.20								○							○		
铸铁-半精加工 K-Semi-finish Process	TNMG160404-KF3	16.50	9.53	4.76	3.81	0.40						●	○										
	TNMG160408-KF3	16.50	9.53	4.76	3.81	0.80						●	○										
	TNMG160412-KF3	16.50	9.53	4.76	3.81	1.20						●	●										
	TNMG220408-KF3	22.00	12.70	4.76	5.16	0.80							○										
	TNMG220412-KF3	22.00	12.70	4.76	5.16	1.20							○										
铸铁-半精加工 K-Semi-finish Process	TNMA160408-KEB3	16.50	9.53	4.76	3.81	0.80						●											
	TNMA160412-KEB3	16.50	9.53	4.76	3.81	1.20						●											
	TNMA220408-KEB3	22.00	12.70	4.76	5.16	0.80						●											
	TNMA220412-KEB3	22.00	12.70	4.76	5.16	1.20						●											
	TNMA220416-KEB3	22.00	12.70	4.76	5.16	1.60						●											
耐热合金-半精加工 S-Semi-finish Process	TNMG160404-SW3	16.50	9.53	4.76	3.81	0.40									●	▲						▲	
	TNMG160408-SW3	16.50	9.53	4.76	3.81	0.80										▲						▲	

库存： ▲ 主推牌号 ● 可选牌号 ○ 按订单生产
Stock: ▲ Excellent(Instock) ● Good(Instock) ○ On Request

车削刀片 Turning Insert

TN | TN**刀片 TN** Insert

适用： ■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative



工件材料 Work Piece	FC5413	FC5415	FC5423	FC5425	MC6435	EC4416	EC4415	FP5225	FP5224	FP5323	FP5325	MP6330	EP4352	FP5324	MP6329	FP5355	NA10
P钢	■	■	◆	◆	▼			◆	◆	◆	◆	▽		◆	▽		
M不锈钢								◇	◇	◆	◆	▼	◆	◇	▼	◆	
K铸铁						■	■	◆	◆	◇	◆			◆			
N有色金属																	■
S耐热合金										◆	◇	▼	◇		▽	◆	
H高硬度材料									◇				◇	◇			

技术参数 Technical parameters	型号 Specification	尺寸 Dimention L	IC	S	D1	RE	刀片牌号 Insert Grade FC5413	FC5415	FC5423	FC5425	MC6435	EC4416	EC4415	FP5225	FP5224	FP5323	FP5325	MP6330	EP4352	FP5324	MP6329	FP5355	NA10
通用-半精加工 G-Semi-finish Process	TNMG160404R-GF3	16.50	9.53	4.76	3.81	0.40				●										●	●		
	TNMG160404L-GF3	16.50	9.53	4.76	3.81	0.40				●										●	●		
	TNMG160408R-GF3	16.50	9.53	4.76	3.81	0.80				●										●	●		
	TNMG160408L-GF3	16.50	9.53	4.76	3.81	0.80				●										●	●		
铝用-精加工 N-Finish Process	TNGG160404-NO1	16.50	9.53	4.76	3.81	0.20																	●
	TNGG160404-NO1	16.50	9.53	4.76	3.81	0.40																	●
	TNGG160408-NO1	16.50	9.53	4.76	3.81	0.80																	●
	TNGG160412-NO1	16.50	9.53	4.76	3.81	1.20																	●
	TNGG220408-NO1	22.00	12.70	4.76	5.16	0.80																	●

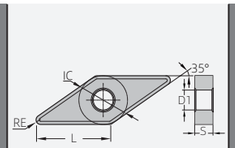
库存： ▲ 主推牌号 ● 可选牌号 ○ 按订单生产
Stock: ▲ Excellent(Instock) ● Good(Instock) ○ On Request

可转位刀具 Indexable Tool

车削刀片 Turning Insert

VN | VN**刀片 VN** Insert

适用： ■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig	工件材料 Work Piece	FC5413	FC5415	FC5423	FC5425	MC6435	EC4416	EC4415	FP5225	FP5224	FP5323	FP5325	MP6330	EP4352	FP5324	MP6329	FP5355	NA10
	P钢	■	■	◆	◆	▼			◆	◆	◆	◆	▽		◆	▽		
	M不锈钢								◇	◇	◆	◆	▼	◆	◇	▼	◆	
	K铸铁						■	■	◆	◆	◇	◆			◆			
	N有色金属																	■
	S耐热合金										◆	◇	▼	◇		▽	◆	
	H高硬度材料									◇				◇	◇			

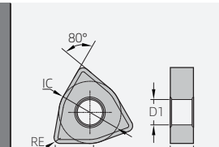
技术参数 Technical parameters	型号 Specification	尺寸 Dimention L	IC	S	D1	RE	刀片牌号 Insert Grade FC5413	FC5415	FC5423	FC5425	MC6435	EC4416	EC4415	FP5225	FP5224	FP5323	FP5325	MP6330	EP4352	FP5324	MP6329	FP5355	NA10
钢件-精加工 P-Finish Process	VNMG160404-PF1	16.60	9.53	4.76	3.81	0.40		○		○													
	VNMG160408-PF1	16.60	9.53	4.76	3.81	0.80		○		○													
钢件-半精加工 P-Semi-finish Process	VNMG160404-PF3	16.60	9.53	4.76	3.81	0.40		○		○													
	VNMG160408-PF3	16.60	9.53	4.76	3.81	0.80		●	●	●													
	VNMG160412-PF3	16.60	9.53	4.76	3.81	1.20		●		○													
钢件-半精加工 P-Semi-finish Process	VNMG160404-PWB3	16.60	9.53	4.76	3.81	0.40		○	●	●													
	VNMG160408-PWB3	16.60	9.53	4.76	3.81	0.80		○	●	●													
	VNMG160412-PWB3	16.60	9.53	4.76	3.81	1.20		●	●	●													
钢件-半精加工 P-Semi-finish Process	VNMG160404-PW3	16.60	9.53	4.76	3.81	0.40				●													
	VNMG160408-PW3	16.60	9.53	4.76	3.81	0.80				●													
	VNMG160412-PW3	16.60	9.53	4.76	3.81	1.20				●													
不锈钢-精加工 M-Finish Process	VNMG160404-MW1	16.60	9.53	4.76	3.81	0.40									●	●	▲		●	●			
	VNMG160408-MW1	16.60	9.53	4.76	3.81	0.80									●	●	▲		●	●			
耐热合金-半精加工 S-Semi-finish Process	VNMG160404-SW3	16.60	9.53	4.76	3.81	0.40											▲					▲	
	VNMG160408-SW3	16.60	9.53	4.76	3.81	0.80											▲					▲	
钢件-粗加工 K-Rough Process	VNMG160404-KF3	16.60	9.53	4.76	3.81	0.40						○	○										
	VNMG160408-KF3	16.60	9.53	4.76	3.81	0.80						●	●										
	VNMG160412-KF3	16.60	9.53	4.76	3.81	1.20						●	●										
铝用-精加工 N-Finish Process	VNGG160402-NO1	16.60	9.53	4.76	3.81	0.20																	●
	VNGG160404-NO1	16.60	9.53	4.76	3.81	0.40																	●
	VNGG160408-NO1	16.60	9.53	4.76	3.81	0.80																	●

库存： ▲ 主推牌号 ● 可选牌号 ○ 按订单生产
Stock: ▲ Excellent(Instock) ● Good(Instock) ○ On Request

车削刀片 Turning Insert

WN | WN**刀片 WN** Insert

适用： ■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

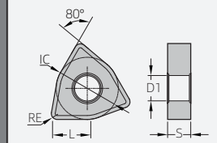
图示 Fig	工件材料 Work Piece	FC5413	FC5415	FC5423	FC5425	MC6435	EC4416	EC4415	FP5225	FP5224	FP5323	FP5325	MP6330	EP4352	FP5324	MP6329	FP5355	NA10
	P钢	■	■	◆	◆	▼			◆	◆	◆	◆	▽		◆	▽		
	M不锈钢								◇	◇	◆	◆	▼	◆	◇	▼	◆	
	K铸铁						■	■	◆	◆	◇	◆			◆			
	N有色金属																	■
	S耐热合金										◆	◇	▼	◇		▽	◆	
	H高硬度材料									◇				◇	◇			

技术参数 Technical parameters	型号 Specification	尺寸 Dimention L	IC	S	D1	RE	刀片牌号 Insert Grade FC5413	FC5415	FC5423	FC5425	MC6435	EC4416	EC4415	FP5225	FP5224	FP5323	FP5325	MP6330	EP4352	FP5324	MP6329	FP5355	NA10
钢件-精加工 P-Finish Process	WNMG080404-PF1	8.70	12.70	4.76	5.16	0.40		○		○													
	WNMG080408-PF1	8.70	12.70	4.76	5.16	0.80		○		○													
钢件-半精加工 P-Semi-finish Process	WNMG080404-PF3	8.70	12.70	4.76	5.16	0.40		○		○	○												
	WNMG080408-PF3	8.70	12.70	4.76	5.16	0.80		●		●	○												
	WNMG080412-PF3	8.70	12.70	4.76	5.16	1.20		●		○	○												
钢件-半精加工 P-Semi-finish Process	WNMG080404-PWB3	8.70	12.70	4.76	5.16	0.40		○		●	○												
	WNMG080408-PWB3	8.70	12.70	4.76	5.16	0.80		●		●	○												
	WNMG080412-PWB3	8.70	12.70	4.76	5.16	1.20		○		●	○												
钢件-半精加工 P-Semi-finish Process	WNMG080404-PW2	8.70	12.70	4.76	5.16	0.40		●															
	WNMG080408-PW2	8.70	12.70	4.76	5.16	0.80	▲	●	▲														
	WNMG080412-PW2	8.70	12.70	4.76	5.16	1.20	▲	●	▲														
钢件-半精加工 P-Semi-finish Process	WNMG080404-PW3	8.70	12.70	4.76	5.16	0.40				●													
	WNMG080408-PW3	8.70	12.70	4.76	5.16	0.80		●		●													
	WNMG080412-PW3	8.70	12.70	4.76	5.16	1.20				●													
钢件-粗加工 P-Rough Process	WNMG080408-PF4	8.70	12.70	4.76	5.16	0.80				○	○												
	WNMG080412-PF4	8.70	12.70	4.76	5.16	1.20				○	○												
不锈钢-精加工 M-Finish Process	WNMG080404-MW1	8.70	12.70	4.76	5.16	0.40							○		●		●		●				
	WNMG080408-MW1	8.70	12.70	4.76	5.16	0.80							●		●	●	●	●	●				
不锈钢-半精加工 M-Semi-finish Process	WNMG080404-MF3	8.70	12.70	4.76	5.16	0.40									●	●	●	●	●				
	WNMG080408-MF3	8.70	12.70	4.76	5.16	0.80							●	●	●	●	●	●	●	●			
	WNMG080412-MF3	8.70	12.70	4.76	5.16	1.20									●				●	●			

库存： ▲ 主推牌号 ● 可选牌号 ○ 按订单生产
Stock: ▲ Excellent(Instock) ● Good(Instock) ○ On Request

WN | WN**刀片 WN** Insert

适用： ■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig	工件材料 Work Piece	FC5413	FC5415	FC5423	FC5425	MC6435	EC4416	EC4415	FP5225	FP5224	FP5323	FP5325	MP6330	EP4352	FP5324	MP6329	FP5355	NA10
	P钢	■	■	◆	◆	▼			◆	◆	◆	◆	▽		◆	▽		
	M不锈钢								◇	◇	◆	◆	▼	◆	◇	▼	◆	
	K铸铁						■	■	◆	◆	◇	◆			◆			
	N有色金属																	■
	S耐热合金										◆	◇	▼	◇		▽	◆	
	H高硬度材料									◇				◇	◇			

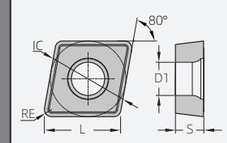
技术参数 Technical parameters	型号 Specification	尺寸 Dimention L	IC	S	D1	RE	刀片牌号 Insert Grade FC5413	FC5415	FC5423	FC5425	MC6435	EC4416	EC4415	FP5225	FP5224	FP5323	FP5325	MP6330	EP4352	FP5324	MP6329	FP5355	NA10
不锈钢/合金钢-半精加工-粗加工 M/P-Semi-finish Process-Rough Process	WNMG080404-GW3	8.70	12.70	4.76	5.16	0.40				●				●	●	●	▲			●	●		
	WNMG080408-GW3	8.70	12.70	4.76	5.16	0.80				●				●	●		▲	●		●	●		
	WNMG080412-GW3	8.70	12.70	4.76	5.16	1.20								●	●					●			
不锈钢-半精加工-粗加工 M-Semi-finish Process-Rough Process	WNMG080408-MW3	8.70	12.70	4.76	5.16	0.80								●	●	●	▲	●		●			
	WNMG080412-MW3	8.70	12.70	4.76	5.16	1.20														●	●		
铸铁-半精加工 K-Semi-finish Process	WNMG080404-KF3	8.70	12.70	4.76	5.16	0.40						○	●										
	WNMG080408-KF3	8.70	12.70	4.76	5.16	0.80						●	●										
	WNMG080412-KF3	8.70	12.70	4.76	5.16	1.20						●	●										
铸铁-半精加工 K-Semi-finish Process	WNMA080408-KEB3	8.70	12.70	4.76	5.16	0.80						●	●										
	WNMA080412-KEB3	8.70	12.70	4.76	5.16	1.20						○	●										
耐热合金-半精加工 S-Semi-finish Process	WNMG080404-SW3	8.70	12.70	4.76	5.16	0.40											○			○		○	
	WNMG080408-SW3	8.70	12.70	4.76	5.16	0.80											▲		●	●		▲	
	WNMG080412-SW3	8.70	12.70	4.76	5.16	1.20											▲		●	●		▲	
通用-半精加工 G-Semi-finish Process	WNMG080404R-GF3	8.70	12.70	4.76	5.16	0.40				●						●				●			
	WNMG080404L-GF3	8.70	12.70	4.76	5.16	0.40				●						●				●			
	WNMG080408R-GF3	8.70	12.70	4.76	5.16	0.80				●						●				●			
	WNMG080408L-GF3	8.70	12.70	4.76	5.16	0.80				●						●				●			
铝用-精加工 N-Finish Process	WNGG080404-NO1	8.70	12.70	4.76	5.16	0.40																	●
	WNGG080408-NO1	8.70	12.70	4.76	5.16	1.20																	●
	WNGG080412-NO1	8.70	12.70	4.76	5.16	1.20																	●

可转位刀具 Indexable Tool

库存： ▲ 主推牌号 ● 可选牌号 ○ 按订单生产
Stock: ▲ Excellent(Instock) ● Good(Instock) ○ On Request

CC | CC**刀片 CC** Insert

适用： ■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig	工件材料 Work Piece	FC5413	FC5415	FC5423	FC5425	MC6435	EC4416	EC4415	FP5225	FP5224	FP5323	FP5325	MP6330	EP4352	FP5324	MP6329	FP5355	NA10
	P钢	■	■	◆	◆	▼			◆	◆	◆	◆	▽		◆	▽		
	M不锈钢								◇	◇	◆	◆	▼	◆	◇	▼	◆	
	K铸铁						■	■	◆	◆	◇	◆			◆			
	N有色金属																	■
	S耐热合金										◆	◇	▼	◇		▽	◆	
	H高硬度材料									◇				◇	◇			

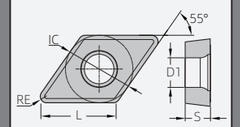
技术参数 Technical parameters	型号 Specification	尺寸 Dimention L	IC	S	D1	RE	刀片牌号 Insert Grade FC5413	FC5415	FC5423	FC5425	MC6435	EC4416	EC4415	FP5225	FP5224	FP5323	FP5325	MP6330	EP4352	FP5324	MP6329	FP5355	NA10
通用-半精加工 G-Semi-finish Process	CCMT060204-GF2	6.40	6.35	2.38	2.80	0.40		○		▲		○	○	●	●	●	▲	▲		○	●		
	CCMT060208-GF2	6.40	6.35	2.38	2.80	0.80		○		▲		●	○	●	●	●	▲	▲	●	●	●		
	CCMT09T304-GF2	9.70	9.53	3.97	4.40	0.40		○		▲		●	●	●	●	●	▲	▲	●	●	●		
	CCMT09T308-GF2	9.70	9.53	3.97	4.40	0.80		○		▲		●	●	●	●	●	▲	○	●	●	●		
	CCMT120404-GF2	12.90	12.70	4.76	5.56	0.40		○		▲		○	○	●	●	●	○	○	○	●	○		
	CCMT120408-GF2	12.90	12.70	4.76	5.56	0.80		●		▲		●	●	●	●	●	▲	○	●	●	●		
不锈钢/通用-精加工 M/G-Finish Process	CCMT060204-MW2	6.40	6.35	2.38	2.80	0.40								○	●	●	▲	○	●	●	○		
	CCMT060208-MW2	6.40	6.35	2.38	2.80	0.80								○	●	●	○	○	●	●	○		
	CCMT09T304-MW2	9.70	9.53	3.97	4.40	0.40								●	●	●	▲	●	●	●	●		
	CCMT09T308-MW2	9.70	9.53	3.97	4.40	0.80								●	●		▲	○	●	●	●		
铝用-精加工 N-Finish Process	CCGX060202-NO1	6.40	6.35	2.38	2.80	0.20																	●
	CCGX060204-NO1	6.40	6.35	2.38	2.80	0.40																	●
	CCGX09T302-NO1	9.70	9.53	3.97	4.40	0.20																	●
	CCGX09T304-NO1	9.70	9.53	3.97	4.40	0.40																	●
	CCGX09T308-NO1	9.70	9.53	3.97	4.40	0.80																	●
	CCGX120404-NO1	12.90	12.70	4.76	5.56	0.40																	●
	CCGX120408-NO1	12.90	12.70	4.76	5.56	0.80																	●
铝用-粗加工 N-Rough Process	CCGX060204-NO3	6.40	6.35	2.38	2.80	0.40																	●
	CCGX09T304-NO3	9.70	9.53	3.97	4.40	0.40																	●
	CCGX09T308-NO3	9.70	9.53	3.97	4.40	0.80																	●
	CCGX120404-NO3	12.90	12.70	4.76	5.56	0.40																	●
	CCGX120408-NO3	12.90	12.70	4.76	5.56	0.80																	●

可转位刀具 Indexable Tool

库存： ▲ 主推牌号 ● 可选牌号 ○ 按订单生产
Stock: ▲ Excellent(Instock) ● Good(Instock) ○ On Request

DC | DC**刀片 DC** Insert

适用：■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative



图示 Fig	工件材料 Work Piece	FC5413	FC5415	FC5423	FC5425	MC6435	EC4416	EC4415	FP5225	FP5224	FP5323	FP5325	MP6330	EP4352	FP5324	MP6329	FP5355	NA10
	P钢	■	■	◆	◆	▼			◆	◆	◆	◆	▽		◆	▽		
	M不锈钢								◇	◇	◆	◆	▼	◆	◇	▼	◆	
	K铸铁						■	■	◆	◆	◇	◆			◆			
	N有色金属																	■
	S耐热合金										◆	◇	▼	◇		▽	◆	
	H高硬度材料									◇				◇	◇			

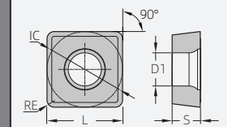
技术参数 Technical parameters	型号 Specification	尺寸 Dimention L	IC	S	D1	RE	刀片牌号 Insert Grade FC5413	FC5415	FC5423	FC5425	MC6435	EC4416	EC4415	FP5225	FP5224	FP5323	FP5325	MP6330	EP4352	FP5324	MP6329	FP5355	NA10
通用-半精加工 G-Semi-finish Process	DCMT070204-GF2	7.80	6.35	2.38	2.80	0.40				▲		○		●	●		▲		●	●	●		
	DCMT070208-GF2	7.80	6.35	2.38	2.80	0.80				▲		○		●	●		▲		●	●	●		
	DCMT11T304-GF2	11.60	9.53	3.97	4.40	0.40	●			▲		●				●	▲		●		●		
	DCMT11T308-GF2	11.60	9.53	3.97	4.40	0.80				▲		●				●	▲		●				
不锈钢/通用-精加工 M/G-Finish Process	DCMT070204-MW2	7.80	6.35	2.38	2.80	0.40											○						
	DCMT070208-MW2	7.80	6.35	2.38	2.80	0.80											○						
	DCMT11T304-MW2	11.60	9.53	3.97	4.40	0.40									●	●	▲	●	●	●	●		
	DCMT11T308-MW2	11.60	9.53	3.97	4.40	0.80									●	●	○		●	●			
铝用-精加工 N-Finish Process	DCGX070202-NO1	7.80	6.35	2.38	2.80	0.20																	●
	DCGX070204-NO1	7.80	6.35	2.38	2.80	0.40																	●
	DCGX11T302-NO1	11.60	9.53	3.97	4.40	0.20																	●
	DCGX11T304-NO1	11.60	9.53	3.97	4.40	0.40																	●
	DCGX11T308-NO1	11.60	9.53	3.97	4.40	0.80																	●

可转位刀具 Indexable Tool

库存：▲ 主推牌号 ● 可选牌号 ○ 按订单生产
Stock: ▲ Excellent(Instock) ● Good(Instock) ○ On Request

SC | SC**刀片 SC** Insert

适用：■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative



图示 Fig	工件材料 Work Piece	FC5413	FC5415	FC5423	FC5425	MC6435	EC4416	EC4415	FP5225	FP5224	FP5323	FP5325	MP6330	EP4352	FP5324	MP6329	FP5355	NA10
	P钢	■	■	◆	◆	▼			◆	◆	◆	◆	▽		◆	▽		
	M不锈钢								◇	◇	◆	◆	▼	◆	◇	▼	◆	
	K铸铁						■	■	◆	◆	◇	◆			◆			
	N有色金属																	■
	S耐热合金										◆	◇	▼	◇		▽	◆	
	H高硬度材料									◇				◇	◇			

技术参数 Technical parameters	型号 Specification	尺寸 Dimention L	IC	S	D1	RE	刀片牌号 Insert Grade FC5413	FC5415	FC5423	FC5425	MC6435	EC4416	EC4415	FP5225	FP5224	FP5323	FP5325	MP6330	EP4352	FP5324	MP6329	FP5355	NA10
通用-半精加工 G-Semi-finish Process	SCMT09T304-GF2	9.53	9.53	3.97	4.40	0.40				○				●	●		○		●	●			
	SCMT09T308-GF2	9.53	9.53	3.97	4.40	0.80				▲				●	●		○		●	●			
	SCMT120404-GF2	12.70	12.70	4.76	5.56	0.40				▲				●	●		○		○	●			
	SCMT120408-GF2	12.70	12.70	4.76	5.56	0.80				▲				●	●		○		○	●			
不锈钢/通用-精加工 M/G-Finish Process	SCMT09T304-MW2	9.53	9.53	3.97	4.40	0.40											○						
	SCMT09T308-MW2	9.53	9.53	3.97	4.40	0.80											○						
铝用-粗加工 N-Rough Process	SCGX09T302-NO3	9.53	9.53	3.97	4.40	0.20																	●
	SCGX09T304-NO3	9.53	9.53	3.97	4.40	0.40																	●
	SCGX120404-NO3	12.70	12.70	4.76	5.56	0.40																	●
	SCGX120408-NO3	12.70	12.70	4.76	5.56	0.80																	●

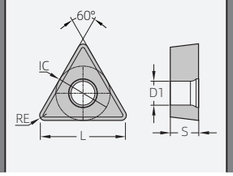
可转位刀具 Indexable Tool

库存：▲ 主推牌号 ● 可选牌号 ○ 按订单生产
Stock: ▲ Excellent(Instock) ● Good(Instock) ○ On Request

TC | TC**刀片 TC** Insert

适用：■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig



工件材料 Work Piece	FC5413	FC5415	FC5423	FC5425	MC6435	EC4416	EC4415	FP5225	FP5224	FP5323	FP5325	MP6330	EP4352	FP5324	MP6329	FP5355	NA10
P钢	■	■	◆	◆	▼			◆	◆	◆	◆	▽		◆	▽		
M不锈钢								◇	◇	◆	◆	▼	◆	◇	▼	◆	
K铸铁						■	■	◆	◆	◇	◆			◆			
N有色金属																	■
S耐热合金												◆	◇	▼	◇	▽	◆
H高硬度材料								◇					◇	◇			

技术参数 Technical parameters	型号 Specification	尺寸 Dimention L	IC	S	D1	RE	刀片牌号 Insert Grade FC5413	FC5415	FC5423	FC5425	MC6435	EC4416	EC4415	FP5225	FP5224	FP5323	FP5325	MP6330	EP4352	FP5324	MP6329	FP5355	NA10
通用-半精加工 G-Semi-finish Process	TCMT110204-GF2	11.00	6.35	2.38	2.80	0.40		○		▲				●	●		○		●	●	●			
	TCMT110208-GF2	11.00	6.35	2.38	2.80	0.80		○		▲				●	●		○		●	●	●			
	TCMT16T304-GF2	16.50	9.53	3.97	4.40	0.40		▲		▲				●	●		○			○				
	TCMT16T308-GF2	16.50	9.53	3.97	4.40	0.80		▲		▲		●		●	●		▲			●				
不锈钢/通用-精加工 M/G-Finish Process	TCMT110204-MW2	11.00	6.35	2.38	2.80	0.40								●	●		▲	●	●	●				
	TCMT16T304-MW2	16.50	9.53	3.97	4.40	0.40								○	●	●	○	○	●	○				
	TCMT16T308-MW2	16.50	9.53	3.97	4.40	0.80								○	●	●	○	○	○	●				
铝用-精加工 N-Finish Process	TCGX110204-NO1	11.00	6.35	2.38	2.80	0.40																		●
	TCGX110208-NO1	11.00	6.35	2.38	2.80	0.80																		●
	TCGX16T304-NO1	16.50	9.53	3.97	4.40	0.40																		●
	TCGX16T308-NO1	16.50	9.53	3.97	4.40	0.80																		●

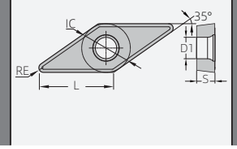
可转位刀具 Indexable Tool

库存：▲ 主推牌号 ● 可选牌号 ○ 按订单生产
Stock: ▲ Excellent(Instock) ● Good(Instock) ○ On Request

VB/VC | VB**/VC**刀片 VB**/VC** Insert

适用：■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig



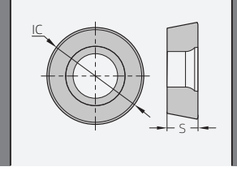
工件材料 Work Piece	FC5413	FC5415	FC5423	FC5425	MC6435	EC4416	EC4415	FP5225	FP5224	FP5323	FP5325	MP6330	EP4352	FP5324	MP6329	FP5355	NA10
P钢	■	■	◆	◆	▼			◆	◆	◆	◆	▽		◆	▽		
M不锈钢								◇	◇	◆	◆	▼	◆	◇	▼	◆	
K铸铁						■	■	◆	◆	◇	◆			◆			
N有色金属																	■
S耐热合金										◆	◇	▼	◇		▽	◆	
H高硬度材料									◇				◇	◇			

技术参数 Technical parameters	型号 Specification	尺寸 Dimention L	IC	S	D1	RE	刀片牌号 Insert Grade FC5413	FC5415	FC5423	FC5425	MC6435	EC4416	EC4415	FP5225	FP5224	FP5323	FP5325	MP6330	EP4352	FP5324	MP6329	FP5355	NA10
通用-半精加工 G-Semi-finish Process	VBMT110304-GF2	11.00	6.35	3.18	2.80	0.40			●					●						●				
	VBMT110308-GF2	11.00	6.35	3.18	2.80	0.80								●						●				
	VBMT160404-GF2	16.50	9.53	4.76	4.40	0.40				●		●		●			○			●				
	VBMT160408-GF2	16.50	9.53	4.76	4.40	0.80				●		●		●	●		○			●				
不锈钢/通用-精加工 M/G-Finish Process	VBMT110304-MW2	11.00	6.35	3.18	2.80	0.40										●				●				
	VBMT110308-MW2	11.00	6.35	3.18	2.80	0.80										●				●				
	VBMT160404-MW2	16.50	9.53	4.76	4.40	0.40				●					●					●				
	VBMT160408-MW2	16.50	9.53	4.76	4.40	0.80				●					●					●				
铝用-精加工 N-Finish Process	VCGX160402-NO1	16.50	9.53	4.76	4.40	0.20																		●
	VCGX160404-NO1	16.50	9.53	4.76	4.40	0.40																		●
	VCGX160408-NO1	16.50	9.53	4.76	4.40	0.80																		●

RC | RC**刀片 RC** Insert

适用：■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig



工件材料 Work Piece	FC5413	FC5415	FC5423	FC5425	MC6435	EC4416	EC4415	FP5225	FP5224	FP5323	FP5325	MP6330	EP4352	FP5324	MP6329	FP5355	NA10
P钢	■	■	◆	◆	▼			◆	◆	◆	◆	▽		◆	▽		
M不锈钢								◇	◇	◆	◆	▼	◆	◇	▼	◆	
K铸铁						■	■	◆	◆	◇	◆			◆			
N有色金属																	■
S耐热合金										◆	◇	▼	◇		▽	◆	
H高硬度材料									◇				◇	◇			

技术参数 Technical parameters	型号 Specification	尺寸 Dimention L	IC	S	D1	RE	刀片牌号 Insert Grade FC5413	FC5415	FC5423	FC5425	MC6435	EC4416	EC4415	FP5225	FP5224	FP5323	FP5325	MP6330	EP4352	FP5324	MP6329	FP5355	NA10
通用-重载加工 G-Heavy-duty Process	RCMX2006M0-PG5	-	20.00	6.35	-	-				●			●										
	RCMX2507M0-PG5	-	25.00	7.94	-	-				○			●										
	RCMX3209M0-PG5	-	32.00	9.52	-	-		●		○			●										

可转位刀具 Indexable Tool

库存：▲ 主推牌号 ● 可选牌号 ○ 按订单生产
Stock: ▲ Excellent(Instock) ● Good(Instock) ○ On Request

车削刀片 Turning Insert

命名规则
Nomenclature

C	N	M	G	12	04	08	-	HQ
1	2	3	4	5	6	7		8

1 刀片形状 Shape

A	85°	M	86°
B	82°	O	
C	80°	P	
D	55°	R	
E	75°	S	
H		T	
K	55°	V	35°
L		W	80°

X：特殊符号　　X：special symbol

2 后角 Clearance Angle

A	3°	F	25°
B	5°	G	30°
C	7°	N	0°
D	15°	P	11°
E	20°	X	特殊角度

3 公差 Tolerance(mm)

		ΦIC	m	S
T	A	±0.025	±0.005	±0.025
CS	C	±0.013	±0.005	±0.025
DV	E	±0.025	±0.013	±0.025
	F	±0.013	±0.013	±0.025
	G	±0.025	±0.025	±0.025
	H	±0.025	±0.025	±0.13
	J*	±0.05-±0.13	±0.005	±0.025
	K*	±0.05-±0.13	±0.013	±0.025
	L*	±0.05-±0.13	±0.025	±0.025
	M*	±0.05-±0.13	±0.08-±0.18	±0.13
	N*	±0.05-±0.13	±0.08-±0.18	±0.025
	U*	±0.08-±0.25	±0.13-±0.38	±0.13

备注：*表示侧面不研磨　　Note：*Indicates side is not ground.

6 刀片厚度 Thickness

00	s=0.79	04	s=4.76
T0	s=0.99	T4	s=4.96
01	s=1.59	05	s=5.56
T1	s=1.98	T5	s=5.95
02	s=2.38	T6	s=6.75
T2	s=2.78	07	s=7.94
03	s=3.18	09	s=9.52
T3	s=3.97		

7 刀尖圆角 Radius

01	r=0.1
02	r=0.2
04	r=0.4
08	r=0.8
12	r=1.2
16	r=1.6
20	r=2.0
24	r=2.4
32	r=3.2
XX	r=其他Other
缺省Default	无标记No mark

备注：圆刀片用M0
Note: Round inserts are represented by "mo".

8 断屑槽 Chip Breakere

可转位刀具
Indexable Tool

车削刀片 Turning Insert

命名规则
Nomenclature

4 切削及夹紧特征 Holding Type

A		J	β=70-90°	T	β=40-60°
B	β=70-90°	M		U	β=40-60°
C	β=70-90°	N		W	β=40-60°
F		Q	β=40-60°	X	非标Special 必须提供图纸和精确说明 Drawings and precise instructions must be provided.
G		R			
H	β=70-90°				

5 刀刃长度 Cutting Edge Length

金属陶瓷/陶瓷材质介绍
Introduction to Cermet / Ceramic Materials

金属陶瓷与陶瓷的材料介绍概要
Summary of Introduction to Cermet and Ceramic Materials

金属陶瓷Cermet

与硬质合金相比其主要的硬质成分由碳化钨变为碳化钛和氮化钛，保留原结合剂成分所以也可以称之为是钛系硬质合金。
Compared with cemented carbide, its main hard constituents change from tungsten carbide to titanium carbide and titanium nitride. Since it retains the original binder composition, it can also be referred to as titanium-based cemented carbide.

陶瓷Ceramic

与金属陶瓷相比其主要的硬质成分为氧化铝，通过Si3N4添加氧化铝获得赛隆陶瓷，或在氧化铝基中添加SiC获得晶须陶瓷。
Compared with cermet, its main hard component is alumina. Sialon ceramics are obtained by adding Si_3N_4 to alumina, while whisker-reinforced ceramics are obtained by adding SiC to an alumina matrix.

基本信息
Basic Information

材料牌号 Product Grade	抗弯强度 TRA（Mpa）	断裂韧性 KIC(Mpa·m1/2)	维氏硬度 HV30	硬度 HRA	密度 Density(g/cm³)	主要成分 Main Components
T2015	2200	8	1750	93	6.4	TiCN
T2020	2500	10	1600	91	6.8	TiCN
P1010	900	4.1	2400	95.2	-	Al2O3
P2020	850	6	1600	91	-	Whisker
P3030	950	7	1800	93	-	SiALON

车削刀片材质应用特征
Turing Insert Material Application Signature

材料牌号 Product Grade	ISO		应用特征 Application Signature
T2015	P10	K05	秀的耐磨性，适合HRC26以下的P\M\K、材料的连续精加工。 Excellent wear resistance, suitable for continuous finishing of P/M/K materials with hardness below HRC26.
T2020	P20	K10	通用性能出色，耐磨性和抗崩性均衡的材质，适合HRC45以下的P\M\N，中等轻断续加工。 It is a material with excellent general performance and a good balance of wear resistance and chipping resistance, suitable for medium and light interrupted cutting of P/M/N materials below HRC45.
P1010	K20	H20	氧化铝基陶瓷极高的要耐磨性，适合淬硬钢和铸铁的等硬料的连续精加工，HRC50~60部分最佳。 Alumina-based ceramics exhibit extremely high wear resistance, suitable for continuous finishing of hard materials such as hardened steel and cast iron, with optimal performance for materials ranging from HRC50 to HRC60.
P2020	K20	S20	晶须陶瓷适合镍基/钴基合金、铸铁及高硬度钢在连续切削条件下的高速加工。 Whisker ceramics are suitable for high-speed machining of nickel-based/cobalt-based alloys, cast iron and high-hardness steels under continuous cutting conditions.
P3030	K30	S30	赛龙陶瓷适合镍基合金表面去黑皮、铸铁等需要兼顾韧性的连续或轻断续切削条件下的加工。 Sialon ceramics are suitable for removing black skin from nickel-based alloy surfaces, as well as for machining cast iron under continuous or light interrupted cutting conditions where toughness is required.

牌号对比表
Product Grade

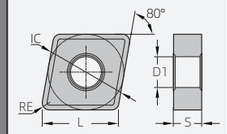
材料牌号 Product Grade	京瓷 KYOCERA	特固克 TaeguTec	山特维克 SANDVIK	肯纳 KENNAMETAL
T2015	TN60	-	-	-
T2020	-	CT3000	-	-
P1010	A66N	-	CC650	KY1615
P2020	-	TC430	CC670	KY4300
P3030	KS6030	AS500	CC6060	KYS25

车削刀片 Turning Insert

CN | CN**刀片 CN** Insert

适用： ■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig



工件材料 Work Piece	T2015	T2020	P1010	P2020	P3030
P钢	■	◆			
M不锈钢	□	◇		■	◆
K铸铁	□	◇	■	□	◇
N有色金属					
S耐热合金				■	◆
H高硬度材料			■		

照片 Picture	型号 Specification	尺寸 Dimention L	IC	S	D1	RE	刀片牌号 Insert Grade T2015	T2020	P1010	P2020	P3030
	CNGA120404	12.9	12.7	4.76	5.16	0.4			▲	▲	▲
	CNGA120408	12.9	12.7	4.76	5.16	0.8			▲	▲	▲
	CNGA120412	12.9	12.7	4.76	5.16	1.2			▲	▲	▲
	CNGA120416	12.9	12.7	4.76	5.16	1.6			▲	▲	▲
	CNGA160612	16.1	15.875	6.35	6.35	1.2			▲	▲	▲
	CNGA160616	16.1	15.875	6.35	6.35	1.6			▲	▲	▲
	CNGA190612	19.3	19.05	6.35	7.94	1.2			▲	▲	▲
	CNGA190616	19.3	19.05	6.35	7.94	1.6			▲	▲	▲
	CNGN120404	12.9	12.7	4.76	-	0.4			▲	▲	▲
	CNGN120408	12.9	12.7	4.76	-	0.8			▲	▲	▲
	CNGN120412	12.9	12.7	4.76	-	1.2			▲	▲	▲
	CNGN120416	12.9	12.7	4.76	-	1.6			▲	▲	▲
	CNGN120708	12.9	12.7	7.94	-	0.8			▲	▲	▲
	CNGN120712	12.9	12.7	7.94	-	1.2			▲	▲	▲
	CNGN120716	12.9	12.7	7.94	-	1.6			▲	▲	▲
	CNGN190612	16.1	15.875	6.35	-	1.2			▲	▲	▲
	CNGN190616	16.1	15.875	6.35	-	1.6			▲	▲	▲
	CNGN190716	16.1	15.875	7.94	-	1.6			▲	▲	▲
	CNGX120408	12.9	12.7	4.76	-	0.8			▲	▲	▲
	CNGX120412	12.9	12.7	4.76	-	1.2			▲	▲	▲
	CNGX120416	12.9	12.7	4.76	-	1.6			▲	▲	▲
	CNGX120708	12.9	12.7	7.94	-	0.8			▲	▲	▲
	CNGX120712	12.9	12.7	7.94	-	1.2			▲	▲	▲
	CNGX120716	12.9	12.7	7.94	-	1.6			▲	▲	▲

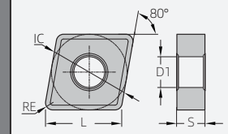
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Stock: ▲ Excellent(Instock) ● Good(Instock) ○ On Request

车削刀片 Turning Insert

CN | CN**刀片 CN** Insert

适用： ■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig



工件材料 Work Piece	T2015	T2020	P1010	P2020	P3030
P钢	■	◆			
M不锈钢	□	◇		■	◆
K铸铁	□	◇	■	□	◇
N有色金属					
S耐热合金				■	◆
H高硬度材料			■		

照片 Picture	型号 Specification	尺寸 Dimention L	IC	S	D1	RE	刀片牌号 Insert Grade T2015	T2020	P1010	P2020	P3030
	CNMG120404-HQ	12.9	12.7	4.76	5.16	0.4	▲	▲			
	CNMG120408-HQ	12.9	12.7	4.76	5.16	0.8	▲	▲			
	CNGG120404L-H	12.9	12.7	4.76	5.16	0.4	▲				
	CNGG120404R-H	12.9	12.7	4.76	5.16	0.4	▲				
	CNGG120408L-H	12.9	12.7	4.76	5.16	0.8	▲				
	CNGG120408R-H	12.9	12.7	7.94	5.16	0.8	▲				
	CNGG120402R-S	12.9	12.7	4.76	5.16	0.2	▲				
	CNGG120404R-S	12.9	12.7	4.76	5.16	0.4	▲				

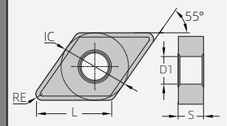
库存： ▲ 主推牌号 ● 可选牌号 ○ 按订单生产
Stock: ▲ Excellent(Instock) ● Good(Instock) ○ On Request

可转位刀具 Indexable Tool

DN | DN**刀片 DN** Insert

适用： ■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig



工件材料 Work Piece																				
P钢	■	◆																		
M不锈钢	□	◇		■	◆															
K铸铁	□	◇	■	□	◇															
N有色金属																				
S耐热合金				■	◆															
H高硬度材料			■																	

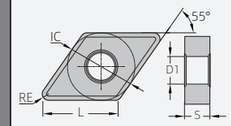
照片 Picture	型号 Specification	尺寸 Dimention					刀片牌号 Insert Grade														
		L	IC	S	D1	RE	T2015	T2020	P1010	P2020	P3030										
	DNGA150404	15.5	12.7	4.76	5.16	0.4			▲	▲	▲										
	DNGA150408	15.5	12.7	4.76	5.16	0.8			▲	▲	▲										
	DNGA150412	15.5	12.7	4.76	5.16	1.2			▲	▲	▲										
	DNGA150416	15.5	12.7	4.76	5.16	1.6			▲	▲	▲										
	DNGN150408	15.5	12.7	4.76	-	0.8			▲	▲	▲										
	DNGN150412	15.5	12.7	4.76	-	1.2			▲	▲	▲										
	DNGN150416	15.5	12.7	4.76	-	1.6			▲	▲	▲										

库存： ▲ 主推牌号 ● 可选牌号 ○ 按订单生产
Stock: ▲ Excellent(Instock) ● Good(Instock) ○ On Request

DN | DN**刀片 DN** Insert

适用： ■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig



工件材料 Work Piece																				
P钢	■	◆																		
M不锈钢	□	◇		■	◆															
K铸铁	□	◇	■	□	◇															
N有色金属																				
S耐热合金				■	◆															
H高硬度材料			■																	

照片 Picture	型号 Specification	尺寸 Dimention					刀片牌号 Insert Grade														
		L	IC	S	D1	RE	T2015	T2020	P1010	P2020	P3030										
	DNMG150404R-VF	15.5	12.7	4.76	5.16	0.4	▲	▲													
	DNMG150408R-VF	15.5	12.7	4.76	5.16	0.8	▲														
	DNMG150404-HQ	15.5	12.7	4.76	5.16	0.4	▲														
	DNMG150408-HQ	15.5	12.7	4.76	5.16	0.8	▲														
	DNMG150404-CQ	15.5	12.7	4.76	5.16	0.4		▲													
	DNMG150408-CQ	15.5	12.7	4.76	5.16	0.8		▲													
	DNGG150404R-H	15.5	12.7	4.76	5.16	0.4	▲														
	DNGG150408R-H	15.5	12.7	4.76	5.16	0.8	▲														
	DNGG150402R-S	15.5	12.7	4.76	5.16	0.2	▲														
	DNGG150404R-S	15.5	12.7	4.76	5.16	0.4	▲														

库存： ▲ 主推牌号 ● 可选牌号 ○ 按订单生产
Stock: ▲ Excellent(Instock) ● Good(Instock) ○ On Request

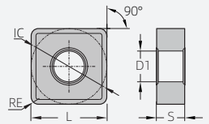
可转位刀具 Indexable Tool

车削刀片 Turning Insert

SN | SN**刀片 SN** Insert

适用：■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig



工件材料 Work Piece																				
P钢	■	◆																		
M不锈钢	□	◇		■	◆															
K铸铁	□	◇	■	□	◇															
N有色金属																				
S耐热合金				■	◆															
H高硬度材料			■																	

照片 Picture	型号 Specification	尺寸 Dimention					刀片牌号 Insert Grade														
		L	IC	S	D1	RE	T2015	T2020	P1010	P2020	P3030										
	SNGA120408	12.7	12.7	4.76	5.16	0.8			▲	▲	▲										
	SNGA120412	12.7	12.7	4.76	5.16	1.2			▲	▲	▲										
	SNGA120416	12.7	12.7	4.76	5.16	1.6			▲	▲	▲										
	SNGA150612	15.875	15.875	6.35	6.35	1.2			▲	▲	▲										
	SNGA150616	15.875	15.875	6.35	6.35	1.6			▲	▲	▲										
	SNGA190616	19.05	19.05	6.35	7.94	1.6			▲	▲	▲										
	SNGN120408	12.7	12.7	4.76	-	0.8			▲	▲	▲										
	SNGN120412	12.7	12.7	4.76	-	1.2			▲	▲	▲										
	SNGN120416	12.7	12.7	4.76	-	1.6			▲	▲	▲										
	SNGN120708	12.7	12.7	7.94	-	0.8			▲	▲	▲										
	SNGN120712	12.7	12.7	7.94	-	1.2			▲	▲	▲										
	SNGN120716	12.7	12.7	7.94	-	1.6			▲	▲	▲										
	SNGN190612	19.05	19.05	6.35	-	1.2			▲	▲	▲										
	SNGN190616	19.05	19.05	6.35	-	1.6			▲	▲	▲										
	SNGX120408	12.7	12.7	4.76	-	0.8			▲	▲	▲										
	SNGX120412	12.7	12.7	4.76	-	1.2			▲	▲	▲										
	SNGX120416	12.7	12.7	4.76	-	1.6															
	SNGX120708	12.7	12.7	7.94	-	0.8			▲	▲	▲										
	SNGX120712	12.7	12.7	7.94	-	1.2															
	SNGX120716	12.7	12.7	7.94	-	1.6			▲	▲	▲										

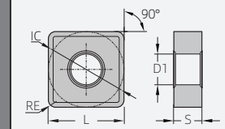
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Stock: ▲ Excellent(Instock) ● Good(Instock) ○ On Request

车削刀片 Turning Insert

SN | SN**刀片 SN** Insert

适用：■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig



工件材料 Work Piece																				
P钢	■	◆																		
M不锈钢	□	◇		■	◆															
K铸铁	□	◇	■	□	◇															
N有色金属																				
S耐热合金				■	◆															
H高硬度材料			■																	

照片 Picture	型号 Specification	尺寸 Dimention					刀片牌号 Insert Grade														
		L	IC	S	D1	RE	T2015	T2020	P1010	P2020	P3030										
	SNMG120408-HQ	12.7	12.7	4.76	5.16	0.8	▲	▲													

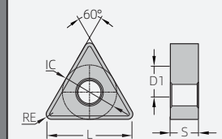
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Stock: ▲ Excellent(Instock) ● Good(Instock) ○ On Request

可转位刀具
Indexable Tool

车削刀片 Turning Insert

TN | TN**刀片 TN** Insert

适用： ■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig	工件材料 Work Piece																			
	P钢	■	◆																	
	M不锈钢	□	◇		■	◆														
	K铸铁	□	◇	■	□	◇														
	N有色金属																			
	S耐热合金				■	◆														
	H高硬度材料			■																

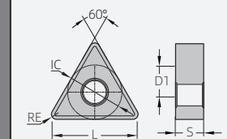
照片 Picture	型号 Specification	尺寸 Dimention					刀片牌号 Insert Grade														
		L	IC	S	D1	RE	T2015	T2020	P1010	P2020	P3030										
	TNGA160408	16.5	9.525	4.76	3.81	0.8			▲	▲	▲										
	TNGA220408	22	12.7	4.76	3.81	0.8			▲	▲	▲										
	TNGN160408	16.5	9.525	4.76	3.81	0.8			▲	▲	▲										
	TNGN220408	22	12.7	4.76	3.81	0.8			▲	▲	▲										
	TNGN220412	22	12.7	4.76	3.81	1.2			▲	▲	▲										
	TNGN220416	22	12.7	4.76	3.81	1.6			▲	▲	▲										

库存： ▲ 主推牌号 ● 可选牌号 ○ 按订单生产
Stock: ▲ Excellent(Instock) ● Good(Instock) ○ On Request

车削刀片 Turning Insert

TN | TN**刀片 TN** Insert

适用： ■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig	工件材料 Work Piece																			
	P钢	■	◆																	
	M不锈钢	□	◇		■	◆														
	K铸铁	□	◇	■	□	◇														
	N有色金属																			
	S耐热合金				■	◆														
	H高硬度材料			■																

照片 Picture	型号 Specification	尺寸 Dimention					刀片牌号 Insert Grade														
		L	IC	S	D1	RE	T2015	T2020	P1010	P2020	P3030										
	TNMG160404-HQ	16.5	9.525	4.76	3.81	0.4	▲	▲													
	TNMG160408-HQ	16.5	9.525	4.76	3.81	0.8	▲	▲													
	TNMG160404R-VF	16.5	9.525	4.76	3.81	0.4	▲	▲													
	TNMG160408R-VF	16.5	9.525	4.76	3.81	0.8	▲	▲													
	TNMG160402R-C	16.5	9.525	4.76	3.81	0.2	▲	▲													
	TNMG160404R-C	16.5	9.525	4.76	3.81	0.4	▲	▲													
	TNMG160402L-C	16.5	9.525	4.76	3.81	0.2	▲	▲													
	TNMG160404L-C	16.5	9.525	4.76	3.81	0.4	▲	▲													
	TNGG160402R-S	16.5	9.525	4.76	3.81	0.2	▲	▲													
	TNGG160404R-S	16.5	9.525	4.76	3.81	0.4	▲	▲													
	TNGG160402L-S	16.5	9.525	4.76	3.81	0.2	▲	▲													
	TNGG160404L-S	16.5	9.525	4.76	3.81	0.4	▲	▲													

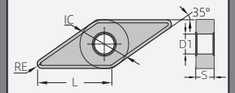
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Stock: ▲ Excellent(Instock) ● Good(Instock) ○ On Request

可转位刀具 Indexable Tool

车削刀片 Turning Insert

VN | VN**刀片 VN** Insert

适用： ■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig	工件材料 Work Piece																			
	P钢	■	◆																	
	M不锈钢	□	◇		■	◆														
	K铸铁	□	◇	■	□	◇														
	N有色金属																			
	S耐热合金				■	◆														
	H高硬度材料			■																

照片 Picture	型号 Specification	尺寸 Dimention					刀片牌号 Insert Grade														
		L	IC	S	D1	RE	T2015	T2020	P1010	P2020	P3030										
	VNGA160404	16.6	9.525	4.76	3.81	0.4			▲	▲	▲										
	VNGA160408	16.6	9.525	4.76	3.81	0.8			▲	▲	▲										
	VNGA160412	16.6	9.525	4.76	3.81	1.2			▲	▲	▲										
	VNGA220408	22	12.7	4.76	3.81	0.8			▲	▲	▲										
	VNGA220412	22	12.7	4.76	3.81	1.2			▲	▲	▲										

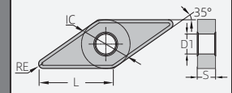
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Stock: ▲ Excellent(Instock) ● Good(Instock) ○ On Request

可转位刀具
Indexable Tool

车削刀片 Turning Insert

VN | VN**刀片 VN** Insert

适用： ■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig	工件材料 Work Piece																			
	P钢	■	◆																	
	M不锈钢	□	◇		■	◆														
	K铸铁	□	◇	■	□	◇														
	N有色金属																			
	S耐热合金				■	◆														
	H高硬度材料			■																

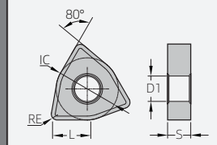
照片 Picture	型号 Specification	尺寸 Dimention					刀片牌号 Insert Grade														
		L	IC	S	D1	RE	T2015	T2020	P1010	P2020	P3030										
	VNMG160404-HQ	16.6	9.525	4.76	3.81	0.4	▲	▲													
	VNMG160408-HQ	16.6	9.525	4.76	3.81	0.8	▲	▲													
	VNMG160404-MT	16.6	9.525	4.76	3.81	0.4		▲													
	VNMG160408-MT	16.6	9.525	4.76	3.81	0.8		▲													
	VNGG160402R-H	16.6	9.525	4.76	3.81	0.4	▲	▲													
	VNGG160404R-H	16.6	9.525	4.76	3.81	0.8	▲	▲													
	VNGG160402R-S	16.6	9.525	4.76	3.81	0.4	▲	▲													
	VNGG160404R-S	16.6	9.525	4.76	3.81	0.8	▲	▲													

库存： ▲ 主推牌号 ● 可选牌号 ○ 按订单生产
Stock: ▲ Excellent(Instock) ● Good(Instock) ○ On Request

车削刀片 Turning Insert

WN | WN**刀片 WN** Insert

适用： ■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig	工件材料 Work Piece																			
	P钢	■	◆																	
	M不锈钢	□	◇		■	◆														
	K铸铁	□	◇	■	□	◇														
	N有色金属																			
	S耐热合金				■	◆														
	H高硬度材料			■																

照片 Picture	型号 Specification	尺寸 Dimention					刀片牌号 Insert Grade															
		L	IC	S	D1	RE	T2015	T2020	P1010	P2020	P3030											
	WNGA060408	6.5	9.525	4.76	5.16	0.8			▲	▲	▲											
	WNGA060412	6.5	9.525	4.76	5.16	1.2			▲	▲	▲											
	WNGA080404	8.7	12.7	4.76	5.16	0.4			▲	▲	▲											
	WNGA080408	8.7	12.7	4.76	5.16	0.8			▲	▲	▲											
	WNGA080412	8.7	12.7	4.76	5.16	1.2			▲	▲	▲											
	WNGA080416	8.7	12.7	4.76	5.16	1.6			▲	▲	▲											

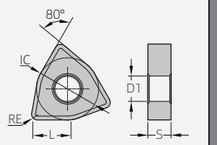
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Stock: ▲ Excellent(Instock) ● Good(Instock) ○ On Request

可转位刀具
Indexable Tool

车削刀片 Turning Insert

WN | WN**刀片 WN** Insert

适用： ■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig	工件材料 Work Piece																			
	P钢	■	◆																	
	M不锈钢	□	◇		■	◆														
	K铸铁	□	◇	■	□	◇														
	N有色金属																			
	S耐热合金				■	◆														
	H高硬度材料			■																

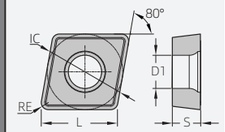
照片 Picture	型号 Specification	尺寸 Dimention					刀片牌号 Insert Grade															
		L	IC	S	D1	RE	T2015	T2020	P1010	P2020	P3030											
	WNMG080404-HQ	8.7	12.7	4.76	5.16	0.4	▲	▲														
	WNMG080408-HQ	8.7	12.7	4.76	5.16	0.8	▲	▲														
	WNMG080404-MT	8.7	12.7	4.76	5.16	0.4	▲	▲														
	WNMG080408-MT	8.7	12.7	4.76	5.16	0.8	▲	▲														
	WNGG080404R-C	8.7	12.7	4.76	5.16	0.4	▲	▲														
	WNGG080404L-C	8.7	12.7	4.76	5.16	0.4	▲	▲														
	WNMG080404R-H	8.7	12.7	4.76	5.16	0.4	▲	▲														
	WNMG080404L-H	8.7	12.7	4.76	5.16	0.4	▲	▲														
	WNGG080402R-S	8.7	12.7	4.76	5.16	0.2	▲	▲														
	WNGG080402L-S	8.7	12.7	4.76	5.16	0.2	▲	▲														
	WNGG080404R-S	8.7	12.7	4.76	5.16	0.4	▲	▲														
	WNGG080404L-S	8.7	12.7	4.76	5.16	0.4	▲	▲														

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Stock: ▲ Excellent(Instock) ● Good(Instock) ○ On Request

CC | CC**刀片 CC** Insert

适用： ■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig



工件材料 Work Piece																					
P钢	■	◆																			
M不锈钢	□	◇		■	◆																
K铸铁	□	◇	■	□	◇																
N有色金属																					
S耐热合金				■	◆																
H高硬度材料			■																		

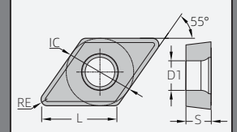
照片 Picture	型号 Specification	尺寸 Dimention					刀片牌号 Insert Grade															
		L	IC	S	D1	RE	T2015	T2020	P1010	P2020	P3030											
	CCMT060202-HQ	6.4	6.35	2.38	2.8	0.2	▲															
	CCMT060204-HQ	6.4	6.35	2.38	2.8	0.4	▲	▲														
	CCMT060208-HQ	6.4	6.35	2.38	2.8	0.8		▲														
	CCMT09T302-HQ	9.7	9.525	3.97	4.4	0.2	▲															
	CCMT09T304-HQ	9.7	9.525	3.97	4.4	0.4	▲	▲														
	CCMT09T308-HQ	9.7	9.525	3.97	4.4	0.8	▲	▲														
	CCMT060204-MT	6.4	6.35	2.38	2.8	0.4		▲														
	CCMT060208-MT	6.4	6.35	2.38	2.8	0.8		▲														
	CCMT09T304-MT	9.7	9.525	3.97	4.4	0.4		▲														
	CCMT09T308-MT	9.7	9.525	3.97	4.4	0.8		▲														
	CCMT060204-FG	6.4	6.35	2.38	2.8	0.4		▲														
	CCMT09T304-FG	9.7	9.525	3.97	4.4	0.4		▲														
	CCMT09T308-FG	9.7	9.525	3.97	4.4	0.8		▲														
	CCGT060202R-U	6.4	6.35	2.38	2.8	0.2	▲	▲														
	CCGT060202L-U	6.4	6.35	2.38	2.8	0.2	▲	▲														
	CCGT060204R-U	6.4	6.35	2.38	2.8	0.4	▲	▲														
	CCGT060204L-U	6.4	6.35	2.38	2.8	0.4	▲	▲														
	CCGT09T302R-U	9.7	9.525	3.97	4.4	0.2	▲	▲														
	CCGT09T302L-U	9.7	9.525	3.97	4.4	0.2	▲	▲														
	CCGT09T304R-U	9.7	9.525	3.97	4.4	0.4	▲	▲														
	CCGT09T304L-U	9.7	9.525	3.97	4.4	0.4	▲	▲														
	CCGT060202L-F	6.4	6.35	2.38	2.8	0.2	▲	▲														
	CCGT060202R-F	6.4	6.35	2.38	2.8	0.2	▲	▲														
	CCGT060204L-F	6.4	6.35	2.38	2.8	0.4	▲	▲														
	CCGT060204R-F	6.4	6.35	2.38	2.8	0.4	▲	▲														
	CCGT09T302L-F	9.7	9.525	3.97	4.4	0.2	▲	▲														
	CCGT09T302R-F	9.7	9.525	3.97	4.4	0.2	▲	▲														
	CCGT09T304L-F	9.7	9.525	3.97	4.4	0.4	▲	▲														
	CCGT09T304R-F	9.7	9.525	3.97	4.4	0.4	▲	▲														

库存： ▲ 主推牌号 ● 可选牌号 ○ 按订单生产
Stock: ▲ Excellent(Instock) ● Good(Instock) ○ On Request

DC | DC**刀片 DC** Insert

适用： ■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig



工件材料 Work Piece																					
P钢	■	◆																			
M不锈钢	□	◇		■	◆																
K铸铁	□	◇	■	□	◇																
N有色金属																					
S耐热合金				■	◆																
H高硬度材料			■																		

照片 Picture	型号 Specification	尺寸 Dimention					刀片牌号 Insert Grade															
		L	IC	S	D1	RE	T2015	T2020	P1010	P2020	P3030											
	DCMT070204-HQ	7.8	6.35	2.38	2.8	0.4	▲	▲														
	DCMT11T304-HQ	11.6	9.525	3.97	4.4	0.4	▲	▲														
	DCMT11T308-HQ	11.6	9.525	3.97	4.4	0.8	▲	▲														
	DCMT11T304-MT	11.6	9.525	3.97	4.4	0.4		▲														
	DCMT070204-FG	7.8	6.35	2.38	2.8	0.4		▲														
	DCMT11T304-FG	11.6	9.525	3.97	4.4	0.4		▲														
	DCMT11T308-FG	11.6	9.525	3.97	4.4	0.8		▲														
	DCGT070202R-U	7.8	6.35	2.38	2.8	0.2	▲	▲														
	DCGT070202L-U	7.8	6.35	2.38	2.8	0.2	▲	▲														
	DCGT070204R-U	7.8	6.35	2.38	2.8	0.4	▲	▲														
	DCGT070204L-U	7.8	6.35	2.38	2.8	0.4	▲	▲														
	DCGT11T302R-U	11.6	9.525	3.97	4.4	0.2	▲	▲														
	DCGT11T302L-U	11.6	9.525	3.97	4.4	0.2	▲	▲														
	DCGT11T304R-U	11.6	9.525	3.97	4.4	0.4	▲	▲														
	DCGT11T304L-U	11.6	9.525	3.97	4.4	0.4	▲	▲														
	DCGT070202L-F	7.8	6.35	2.38	2.8	0.2	▲	▲														
	DCGT070202R-F	7.8	6.35	2.38	2.8	0.2	▲	▲														
	DCGT070204L-F	7.8	6.35	2.38	2.8	0.4	▲	▲														
	DCGT070204R-F	7.8	6.35	2.38	2.8	0.4	▲	▲														
	DCGT11T302L-F	11.6	9.525	3.97	4.4	0.2	▲	▲														
	DCGT11T302R-F	11.6	9.525	3.97	4.4	0.2	▲	▲														
	DCGT11T304L-F	11.6	9.525	3.97	4.4	0.4	▲	▲														
	DCGT11T304R-F	11.6	9.525	3.97	4.4	0.4	▲	▲														

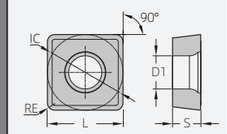
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Stock: ▲ Excellent(Instock) ● Good(Instock) ○ On Request

可转位刀具 Indexable Tool

车削刀片 Turning Insert

SC | SC**刀片 SC** Insert

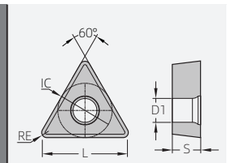
适用：■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig	工件材料 Work Piece																					
	P钢	■	◆																			
	M不锈钢	□	◇		■	◆																
	K铸铁	□	◇	■	□	◇																
	N有色金属																					
	S耐热合金				■	◆																
	H高硬度材料			■																		

照片 Picture	型号 Specification	尺寸 Dimention					刀片牌号 Insert Grade															
		L	IC	S	D	D1	RE	T2015	T2020	P1010	P2020	P3030										
	SCMT09T304-MT	9.525	9.525	3.97	4.4	0.4		▲														

TC/TP | TC**/TP**刀片 TC**/TP** Insert

适用：■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

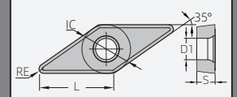
图示 Fig	工件材料 Work Piece																					
	P钢	■	◆																			
	M不锈钢	□	◇		■	◆																
	K铸铁	□	◇	■	□	◇																
	N有色金属																					
	S耐热合金				■	◆																
	H高硬度材料			■																		

照片 Picture	型号 Specification	尺寸 Dimention					刀片牌号 Insert Grade															
		L	IC	S	D1	RE	T2015	T2020	P1010	P2020	P3030											
	TCMT090204-HQ	9.63	5.56	2.38	2.5	0.4	▲	▲														
	TCMT110204-HQ	11	6.35	2.38	2.8	0.4	▲	▲														
	TCMT110208-HQ	11	6.35	2.38	2.8	0.8	▲	▲														
	TCMT090204-MT	9.63	5.56	2.38	2.5	0.4		▲														
	TCMT110204-MT	11	6.35	2.38	2.8	0.4		▲														
	TCMT16T304-MT	16.5	9.525	3.97	4.4	0.4		▲														
	TCMT16T308-MT	16.5	9.525	3.97	4.4	0.8		▲														
	TPGH080202L-S	8.25	4.76	2.38	2.3	0.2	▲															
	TPGH080204L-S	8.25	4.76	2.38	2.3	0.4	▲															
	TPGH090202L-S	9.63	5.56	2.38	3	0.2	▲															
	TPGH090204L-S	9.63	5.56	2.38	3	0.4	▲															
	TPGH110302L-S	11	6.35	3.18	3.3	0.2	▲															
	TPGH110304L-S	11	6.35	3.18	3.3	0.4	▲															

库存：▲ 主推牌号 ● 可选牌号 ○ 按订单生产
Stock: ▲ Excellent(Instock) ● Good(Instock) ○ On Request

VB | VB**刀片 VB** Insert

适用：■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig	工件材料 Work Piece																					
	P钢	■	◆																			
	M不锈钢	□	◇		■	◆																
	K铸铁	□	◇	■	□	◇																
	N有色金属																					
	S耐热合金				■	◆																
	H高硬度材料			■																		

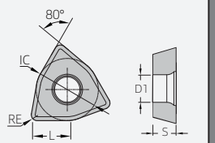
照片 Picture	型号 Specification	尺寸 Dimention					刀片牌号 Insert Grade															
		L	IC	S	D1	RE	T2015	T2020	P1010	P2020	P3030											
	VBMT110304-HQ	11	6.35	3.18	2.8	0.4	▲															
	VBMT160404-HQ	16.5	9.525	4.76	4.4	0.4	▲															
	VBMT160408-HQ	16.5	9.525	4.76	4.4	0.8	▲															
	VBGT110302L-Y	11	6.35	3.18	2.8	0.2	▲	▲														
	VBGT110302R-Y	11	6.35	3.18	2.8	0.2	▲	▲														
	VBGT110304L-Y	11	6.35	3.18	2.8	0.4	▲	▲														
	VBGT110304R-Y	11	6.35	3.18	2.8	0.4	▲	▲														
	VBGT160402R-Y	16.5	9.525	4.76	4.4	0.2		▲														
	VBGT160402L-Y	16.5	9.525	4.76	4.4	0.2		▲														
	VBGT160404R-Y	16.5	9.525	4.76	4.4	0.4		▲														
	VBGT160404L-Y	16.5	9.525	4.76	4.4	0.4		▲														
	VBGT110302L-F	11	6.35	3.18	2.8	0.2	▲	▲														
	VBGT110302R-F	11	6.35	3.18	2.8	0.2	▲	▲														
	VBGT110304L-F	11	6.35	3.18	2.8	0.4	▲	▲														
	VBGT110304R-F	11	6.35	3.18	2.8	0.4	▲	▲														
	VBGT160402R-F	16.5	9.525	4.76	4.4	0.2		▲														
	VBGT160402L-F	16.5	9.525	4.76	4.4	0.2		▲														
	VBGT160404R-F	16.5	9.525	4.76	4.4	0.4		▲														
	VBGT160404L-F	16.5	9.525	4.76	4.4	0.4		▲														

库存：▲ 主推牌号 ● 可选牌号 ○ 按订单生产
Stock: ▲ Excellent(Instock) ● Good(Instock) ○ On Request

可转位刀具 Indexable Tool

WB | WB**刀片 WB** Insert

适用： ■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative



工件材料 Work Piece																				
P钢	■	◆																		
M不锈钢	□	◇		■	◆															
K铸铁	□	◇	■	□	◇															
N有色金属																				
S耐热合金				■	◆															
H高硬度材料			■																	

照片 Picture	型号 Specification	尺寸 Dimention					刀片牌号 Insert Grade														
		L	IC	S	D1	RE	T2015	T2020	P1010	P2020	P3030										
	WBGT060102L-F	3.2	3.97	1.59	2.3	0.2	▲	▲													
	WBGT060104L-F	3.2	3.97	1.59	2.3	0.4	▲	▲													

库存： ▲ 主推牌号 ● 可选牌号 ○ 按订单生产
Stock: ▲ Excellent(Instock) ● Good(Instock) ○ On Request

车削刀片 Turning Insert

可转位刀具 Indexable Tool



DB

MILLING INSERT
铣削刀片

Nomenclature
命名规则 DB003-004

Material Description
材质说明 DB005-006

Material Contrast Table
材质对比表 DB007-012

AN*U Insert
AN*U刀片 DB013-013

CNHX Insert
CNHX刀片 DB014-014

ENMU Insert
ENMU刀片 DB015-015

HNMX Insert
HNMX刀片 DB015-015

BLMP Insert
BLMP刀片 DB016-016

LNMU Insert
LNMU刀片 DB016-016

LOGU Insert
LOGU刀片 DB017-017

LNHU Insert
LNHU刀片 DB017-017

LNKX Insert
LNKX刀片 DB018-018

LNGX Insert
LNGX刀片 DB018-018

ON*U Insert
ON*U刀片 DB019-019

PN*U Insert
PN*U刀片 DB019-019

SNMU Insert
SNMU刀片 DB020-020

SNMX Insert
SNMX刀片 DB020-020

TNMU Insert
TNMU刀片 DB020-020

WNGU Insert
WNGU刀片 DB021-021

XNEX Insert
XNEX刀片 DB021-021

XNMU Insert
XNMU刀片 DB022-022

ZNHT Insert
ZNHT刀片 DB022-022

APMT Insert
APMT刀片 DB023-023

BDMT Insert
BDMT刀片 DB023-023

JDMT Insert
JDMT刀片 DB023-023

R390 Insert
R390刀片 DB023-023

SDKX Insert
SDKX刀片 DB024-024

TD** Insert
TD刀片** DB024-024

LPGT Insert
LPGT刀片 DB025-025

RP** Insert
RP刀片** DB025-025

RD** Insert
RD刀片** DB025-025

SDMT/SOMT Insert
SDMT/SOMT刀片 DB026-027

SE** Insert
SE刀片** DB027-027

命名规则 Nomenclature

A	P	M	T	11	35	08	P	D	E	R-GQ3
1	2	3	4	5	6	7	8	9	10	11

1 刀片形状 Shape

A	85°	M	86°
B	82°	O	
C	80°	P	
D	55°	R	
E	75°	S	
H		T	
K	55°	V	35°
L		W	80°

X：特殊符号　X：special symbol

2 后角 Clearance Angle

A	3°	F	25°
B	5°	G	30°
C	7°	N	0°
D	15°	P	11°
E	20°	X	特殊角度

3 公差 Tolerance(mm)

	ΦIC	m	S
A	±0.025	±0.005	±0.025
C	±0.013	±0.005	±0.025
E	±0.025	±0.013	±0.025
F	±0.013	±0.013	±0.025
G	±0.025	±0.025	±0.025
H	±0.025	±0.025	±0.13
J*	±0.05-±0.13	±0.005	±0.025
K*	±0.05-±0.13	±0.013	±0.025
L*	±0.05-±0.13	±0.025	±0.025
M*	±0.05-±0.13	±0.08-±0.18	±0.13
N*	±0.05-±0.13	±0.08-±0.18	±0.025
U*	±0.08-±0.25	±0.13-±0.38	±0.13

备注：*表示侧面不研磨　Note：*Indicates side is not ground.

7 刀尖圆角 Radius

01	r=0.1
02	r=0.2
04	r=0.4
08	r=0.8
12	r=1.2
16	r=1.6
20	r=2.0
24	r=2.4
32	r=3.2
XX	r=其他Other
缺省Default	无标记No mark

备注：圆刀片用M0　Note: Round inserts are represented by "mo".

8 修光刃主偏角 Finish Tool Cutting Edge Angle

A	45°
D	60°
E	75°
F	85°
P	90°
其他Other	特殊角度Special Degree
缺省Default	无标记No mark

9 修光刃后角 Back Angle Of Finish Tool

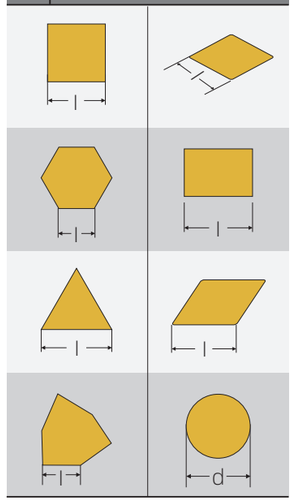
A	3°
B	5°
C	7°
D	15°
E	20°
F	25°
G	30°
N	0°
P	11°
其他Other	特殊角度Special Degree
缺省Default	无标记No mark

命名规则 Nomenclature

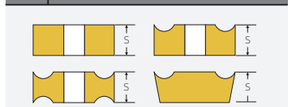
4 切削及夹紧特征 Holding Type

A		J	β=70-90°	T	β=40-60°
B	β=70-90°	M		U	β=40-60°
C	β=70-90°	N		W	β=40-60°
F		Q	β=40-60°	X	非标Special 必须提供图纸和精确说明 Drawings and precise instructions must be provided.
G		R			
H	β=70-90°				

5 刀刃长度 Cutting Edge Length



6 刀片厚度 Thickness



00	s=0.79	04	s=4.76
T0	s=0.99	T4	s=4.96
01	s=1.59	05	s=5.56
T1	s=1.98	T5	s=5.95
02	s=2.38	T6	s=6.75
T2	s=2.78	07	s=7.94
03	s=3.18	09	s=9.52
T3	s=3.97	XX	其他Other

10 切削刃形状 Shape Of Cutting Edge

F	
E	
T	
S	
Z	

11 断屑槽 Chip Breakere

加工材质基础类别 Processing Material Basic Category		结构特征 Structural Characteristics		工艺类别 Process Category	
P	钢 Steel	Q		1	
M	不锈钢 Stainless Steel	Z		2	精加工 Finish Maching
K	铸铁 Cast Iron	E		3	
S	耐热合金、钛合金 Heat Resistant Alloy、Titanium Alloy	K	KPER	4	半精加工 Half-finish Maching
N	铝合金、非铁金属 Aluminum Alloy、Non-ferrous Metals	R-**		5	
G	通用 General Use	L-**		6	粗加工 Rough Maching
		N-**		7	重载加工 Heavy Maching
				...	

铣削刀片材质说明
Milling Insert Material Directions

新牌号 New Type	涂层工艺 Coating Process	涂层成分 Coating Composition	涂层颜色 Coating Color	应用特征 Application Signature
UP3306	PVD	Nano-AlTiSiN		精加工铣削正角刀片材质，耐热合金、高硬度材料。 Finish milling positive angle insert material, suitable for heat-resistant alloy, high hardness materials.
FP5225	**PVD**	**AlTiN**		**后处理工艺基于EP5125/QP5125优化，硬度与强韧性兼顾的基体，含铝量更高的涂层。 适合铸铁、钢、不锈钢的通用加工，高加工安全性。 The post-treatment process is optimized based on EP5125/QP5125, a matrix with both high hardness and toughness and a coating with increased aluminum content. It is suitable for the general processing of cast iron, steel, and stainless steel, ensuring high processing safety.**
EP5225	PVD	AlTiN		硬度与强韧性兼顾的基体，含铝量更高的涂层。适合铸铁、钢、不锈钢的通用加工，高加工安全性。 The insert matrix with high hardness and super toughness, with rich aluminum content coating. Suitable for general processing of cast iron, steel and stainless steel, with higher processing reliability.
JP5225	PVD	AlTiN		硬度与强韧性兼顾的基体，含铝量更高的涂层。适合铸铁、钢、不锈钢的通用加工，高加工安全性。 The insert matrix with high hardness and super toughness, with rich aluminum content coating. Suitable for general processing of cast iron, steel and stainless steel, with higher processing reliability.
EP5226	PVD	AlTiSiN		超细晶粒基体，高耐热和高韧性的复合涂层。 适合铸铁、钢、不锈钢通用铣削加工，更优异的耐磨性，适合不锈钢车削加工，钢件、铸铁车削补充牌号。 Ultrafine grain matrix, with high heat resistance and high toughness composite coating. Suitable for general milling processing of cast iron, steel and stainless steel, with better wear resistance. Suitable for stainless steel turning processing, it is a supplementary grade for steel and cast iron turning processing.
FP5323	PVD	Nano-AlTiSiN		超细晶粒基体，耐磨损性、抗氧化性能良好的梯度涂层。 实现耐热合金、不锈钢的稳定、长寿命车削、铣削加工。耐热合金加工补充牌号。 Gradient coating with superfine grain matrix, good abrasion, and oxidation resistance. This enables stable and long-lasting turning and milling of heat-resistant alloys and stainless steel. It is a supplementary grade for heat-resistant alloy processing.
FP5325	**PVD**	**Nano-AlTiSiN**		**超细晶粒基体，耐磨损性、抗氧化性能良好的梯度涂层。 实现钢不锈钢的稳定、长寿命车削、铣削加工。钛合金加工补充牌号。 Gradient coating with submicron substrate, good wear resistance and oxidation resistance. Suitable for general processing of steel, stainless steel, and titanium alloys. It is the economical and best choice for S-type materials.**
MP6330	**PVD**	**Nano-AlTiSiN**		**亚微细基体，耐磨损性、抗氧化性能良好的梯度涂层。适合钢、不锈钢、钛合金的通用加工，S类材料经济性优选牌号。 Gradient coating with submicron substrate, good wear resistance and oxidation resistance. Suitable for general processing of steel, stainless steel, and titanium alloys. It is the economical and best choice for S-type materials.**
EP4352	PVD	Nano-AlTiSiN		特殊强韧性、红硬性提升的超细晶粒基体，最新的高耐磨梯度涂层。 通用高性能加工，用于钢、不锈钢和耐热合金的高效铣削，还可用于不锈钢的车削。钛合金、耐热合金补充牌号。 Special high tenacity, ultra-fine grain matrix with improved red hardness, and the latest high wear-resistant gradient coating. General purpose high-performance machining, suitable for efficient milling of steel, stainless steel, and heat resistant alloys, as well as for turning stainless steel. Supplementary grades of titanium alloy and heat resistant alloy.
FP5324	**PVD**	**Nano-AlTiSiN**		**涂层及后处理工艺基于QP5225/FP5224优化，超细晶粒基体，新升级的高耐热和高韧性的梯度涂层。适合铸铁、钢、不锈钢通用铣削加工，更优异的耐磨性，适合不锈钢车削加工，钢件、铸铁车削补充牌号。 The coating and post-treatment process is optimized based on QP5225/FP5224, an ultra-fine grain matrix featuring a newly upgraded gradient coating with exceptional heat resistance and toughness. It is suitable for general milling processing of cast iron, steel, and stainless steel, offering improved wear resistance. Additionally, it is well-suited for the turning processing of stainless steel and a supplementary grade for turning steel and cast iron.**
EC4420	PVD	TiCN+Al2O3		超细晶粒基体，薄基CVD多层涂层，极佳的耐磨性。稳定工况下铣削灰口铸铁和球墨铸铁优选牌号。 Ultrafine grain matrix, thin based CVD multilayer coating, with excellent wear resistance. It is the best grade choice for milling gray cast iron and ball milled cast iron under stable operating conditions.
MC6440	CVD	TiCN+Al2O3		亚细高韧性基体，薄基CVD多层涂层，优良的抗崩刃性。不稳定工况铸铁、钢件、不锈钢的通用铣削加工。 Sub fine and high tenacity substrate, thin based CVD multilayer coating, with excellent resistance for chipping. Suitable for gene ral milling of cast iron, steel parts, and stainless steel under unstable working conditions.
EC4416	CVD	TiCN+Al_2O_3+TiN		极其耐磨的材质，是EC4416的升级款，厚膜CVD多层涂层。连续或轻断续车削灰铸铁和球墨铸铁。 Extremely wear-resistant material, It is upgrated version of EC4416, thick film CVD multilayer coating. Suitable for continuous or light intermittent turning of gray cast iron and ball milled cast iron.
FC5425	**CVD**	**TiCN+Al_2O_3+TiN**		**兼具耐磨和抗崩刃性的基体，厚膜CVD多层涂层，结合力优良。钢件轻断续-断续加工，通用钢用车削加工的首选。 A matrix with both wear resistance and chipping resistance, as well as a thick film CVD multilayer coating, providing excellent adhesion.Suitable for light intermittent - intermittent machining of steel parts, it is the first choice for general turning processing.**

铣削刀片材质说明
Milling Insert Material Directions

新牌号 New Type	涂层工艺 Coating Process	涂层成分 Coating Composition	涂层颜色 Coating Color	应用特征 Application Signature
EP4255	PVD	AlTiSiN		粘接相强化的超细晶粒基体，卓越的耐热、耐磨损性能。含铝量更高的涂层。 适合耐热合金、高硬度材料的精-半精车削铣削。 Superfine grain matrix reinforced by adhesive phase, excellent heat resistance and wear resistance. Coatings with higher aluminum content.Suitable for precision and semi precision turning and milling of heat resistant alloys and high hardness materials.
FP5355	PVD	Nano-AlTiSiN		耐热性和强韧性优化的超细晶粒基体，耐磨损性、抗氧化性能良好的梯度涂层。耐热合金通用加工首选牌号。 It is the heat resistance and high tension optimized ultra-fine grain matrix, with a gradient coating with good wear resistance and oxidation resistance. It is the best grade choice for general processing of heat resistant alloys.
MP6258	PVD	AlTiSiN		亚细超强韧性基体含铝量更高的涂层，耐热合金、不锈钢粗加工铣削刀片， 针对汽轮机叶片的高效粗铣，长寿命干式切削 This insert has a sub fine, super strong, and ductile substrate with a higher aluminum content coating. It is a heat resistant alloy and stainless steel rough milling insert,Efficient rough milling for steam turbine inserts, suitable for long life dry cutting.
NA10	-	-	-	亚微细晶粒材质确保刀片耐磨性能和抗微崩性，表面特殊处理，降低积屑瘤，适用于有色金属的连续和轻断续加工。 The sub fine grain material ensures the wear resistance and micro collapse resistance of the insert, with special surface treatment to reduce scratch iron deposition. Suitable for continuous and light intermittent processing of non ferrous metals.
EC6440	CVD	TiCN+Al_2O_3+TiN		高韧性亚微粒基体的通用材质。钢件、不锈钢、铸铁的通用加工。 Universal material for super toughness subparticle matrix. Universalprocessing for steel、stainless steel and cast iron parts.
HP5320	**PVD**	**AlTiSiN+Ti**		**硬度与强韧性兼顾的基体，含钛量更高的涂层。 适合铸铁、钢、不锈钢的铣削加工，高加工安全性。 A matrix that combined hardness and strong toughness, with higher titanium coating. Suitable for cast iron, steel and stainless steel milling process, with high processing safety.**
HP5325	**PVD**	**AlTiSiN+Ti**		**超细晶粒基体，耐磨损性、抗氧化性能良好的梯度涂层。实现钢不锈钢的稳定、长寿命铣削加工。钛合金加工补充牌号。 Ultrafine grain matrix, gradient coating with good abrasion resistance and oxidation resistance. Achieve stable and long life milling of steel and stainless steel. It is a supplementary grade for titanium alloy processing.**
HP3320	**PVD**	**AlTiSiN+Ti**		**超细晶粒基体，极佳的耐磨性。稳定工况下铣削灰口铸铁和球磨铸铁优选牌号。 Ultrafine grain matrix, excellent wear resistance. Priority grades for milling grey cast iron and nodular cast iron under stable conditions.**
HP3420	PVD	AlTiSiN		涂层基于HP3320优化，超细晶粒基体，极佳的耐磨性。稳定工况下铣削灰口铸铁和球磨铸铁首选牌号。 The coating is optimized based on HP3320, ultra-fine grain matrix, with excellent wear resistance. Priority grade for milling grey cast iron and nodular cast iron under stable conditions.

铣削刀片 Milling Insert

铣刀片材质对比表-CVD涂层
Insert Grades-Milling(CVD Coating)

类别 Category	ISO	探戈 TORKOAL	三菱 MiTSUBiSHi	住友 SUMITOMO	泰珂洛 TUNGALOY	京瓷 KYOCERA	戴杰 DIJET	日立 HITACHI	克洛伊 KORLOY	特固克 TaeguTec	山特维克 SANDVIK	瓦尔特 Walter	肯纳 KENNAMETAL	山高 SECO	伊斯卡 ISCAR	株洲钻石 ZCC.CT
P	10			ACP100			JC730U					WKP25		MP1500	IC9080	
															IC4100	
															IC9015	
	20		FH7030	ACP100	T3225		JC730U	GX2140		TT7800	GC4220	WKP25		MP1500	IC5500	YBC301
			MC7020									WKP35		MP2500	IC5100	YBM251
												WKP35S			IC520M	
	30	**MC6440**	F7030		T3130			GX2140	NCM335	TT7800	GC4230	WKP25	KCPK30	MP2500	IC5500	YBM351
		EC6440	MC7020		T3225			GX2160				WKP35	KC930M		IC4050	
												WKP35S				
	40	**MC6440**						GX2030		TT7800	GC4240	WKP35	KC935M			YBC302
		EC6440						GX30				WKP35S	KC530M			
								GX2160								
M	10														IC9250	
	20		F7030	ACP100	T3225	CA6535	JC730U	AX2040		TT7800			KC925M	MP2500	IC520M	YBM251
			MC7020	ACM200				GX2140						MM4500	IC9350	YBM253
	30	**MC6440**	F7030	ACP100	T3130	CA6535		AX2040	NCM335	TT7800	GC2040		KC930M		IC9350	YBC302
			MC7020		T3225			GX2140							IC4050	
								GX2160								
								GX30								
	40	**MC6440**						GX2030					KC930M		IC635	YBM351
								GX2160					KC935M			
								GX30								
K	01						JC600					WKP15				
	10	**EC4420**	MC5020	ACK100	T1215	CA420M	JC600		NCM310	TT6800		WKP15				YBD152
					T1115							WKP25				
	20	**MC6440**	MC5020	ACK200	T1215		JC610		NCM320	TT6800	GC3220	WKP15	KC915M	MK1500	IC5100	YBD203
											GC3330	WKP25		MK2000	IC9150	YBD252
											K20W	WKP35				
												WKP35S				
	30	**MC6440**					JC610	GX30			GC3330	WKP25	KC920M	MK2000	IC4100	YBC302
											GC3040	WKP35	KC925M	MK3000	IC4050	
												WKP35S	KCPK30		IC520M	
													KC930M			
													KC935M			

铣削刀片 Milling Insert

铣刀片材质对比表-PVD涂层
Insert Grades-Milling(PVD Coating)

类别 Category	ISO	探戈 TORKOAL	三菱 MiTSUBiSHi	住友 SUMITOMO	泰珂洛 TUNGALOY	京瓷 KYOCERA	戴杰 DIJET	日立 HITACHI	克洛伊 KORLOY	特固克 TaeguTec	山特维克 SANDVIK	瓦尔特 Walter	肯纳 KENNAMETAL	山高 SECO	伊斯卡 ISCAR	株洲钻石 ZCC.CT
P	01	**UP3205**			AH110		JC8003	ATHH80D		TT2510					IC903	YBH053
		UP3206			AH710			ATH08M		TT5505						
		UP3306						TH308								
								PN208								
								JP4105								
								PN15M								
	10	**EP4215**		ACP200	AH120	PR830	JC8003	PN15M		TT2510	GC1010	WXH15	KC505M		IC250	YBG252
					AH725	PR1225	JC8015	PN215		TT5505	GC1130	WXM15	KC715M		IC350	
							JC5015	PCA12M		TT5515			KC510M		IC808	
							JC5118	JP4115		TT7080			KC515M		IC810	
															IC900	
															IC903	
															IC908	
															IC910	
															IC950	
	20	**FP5225**	MP6120	ACP200	AH725	PR830	JC5015	CY9020	PC230	TT2510	GC1010	WHH15	KC522M	F25M	IC250	YBG205
		EP5225	VP15TF		AH120	PR1225	JC5040	JP4120		TT5505	GC1030	WXM15	KC525M	MP3000	IC300	YBG202
		JP5225			AH3135	PR1230	JC6235	CY150		TT5525	GC1130		KC527M		IC328	YBG9320
		EP5226			AH9030	PR1525	JC8015			TT7080	GC2030		KC610M		IC330	YBG252
		FP5224					JC5118			TT9030			KC620M		IC350	
		FP5324					JC6235			TT9080			KC635M		IC808	
		FP5325					JC7560P						KC715M		IC810	
		HP5320					JC8118P						KC720M		IC830	
		HP5325											KC730M		IC900	
													KTPK20		IC908	
															IC910	
															IC928	
															IC950	
															IC1008	
	30	**MP6230**	MP6120	ACP200	AH725	PR1230	JC6235	JS4045	PC3530	TT5525	GC1010	WSP45	KC725M	F25M	IC250	YBG302
		MP6329	VP15TF	ACP300	AH120	PR1525	JC7560	CY250	PC130	TT7080	GC1030	WSP46	KC735M	F30M	IC300	
		MP6330	MP6130		AH130		JC8050	CY250V		TT8020	GC2030		KC530M	MP3000	IC328	
		MP6235	VP30RT		AH3135		JC7560P	CY25		TT8080	GC1130		KC537M		IC330	
					AH6030		JC5015	HC844		TT9030			KCPM40		IC350	
							JC8118P			TT9080					IC830	
							JC5040								IC845	

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铣刀片材质对比表-PVD涂层
Insert Grades-Milling(PVD Coating)

类别 Category	ISO	探戈 TORKOAL	三菱 MiTSUBiSHi	住友 SUMITOMO	泰珂洛 TUNGALOY	京瓷 KYOCERA	戴杰 DIJET	日立 HITACHI	克洛伊 KORLOY	特固克 TaeguTec	山特维克 SANDVIK	瓦尔特 Walter	肯纳 KENNAMETAL	山高 SECO	伊斯卡 ISCAR	株洲钻石 ZCC.CT
P	30						JC8118P								IC900	
							JC8015								IC928	
							JC5118								IC950	
															IC1008	
			VP30RT	ACP300	AH140	PR1525	JC6235	JS4060		TT8020	GC1030	WXP45	KC735M	F40M	IC300	YBG302
							JC7560	PTH30E			GC1130	WSP46	KC537M	T60M	IC328	
	40	**MP6235**					JC8050	PTH40H			GC2030		KCPM40		IC330	
							JC7560P	JX1060							IC830	
							JC5040	JS4060							IC928	
							JC8118P								IC1008	
							JC5118									
							JC8118P									
							JC5118									
M	01	**UP3306**						PN08M							IC907	
								PN208								
	10	**UP3306**		ACM100	AH725	PR1225	JC5003	PN15M		TT5525	GC1025	WXM15	KC735M		IC903	YBG252
								PN215		TT9030	GC1030		KC515M			
										TT9080	GC1130					
											GC1010					
	20	**FP5225**	VP15TF	ACP200	AH725	PR1025	JC5015	JP4120		TT8020	GC1025	WXM15	KC610M	F25M	IC250	YBG205
		EP5225	VP20RT		AH130	PR1225	JC5118			TT8080	GC2030	WSM35	KC5635M	MP3000	IC300	YBG202
		JP5225	MP7130		AH6030		JC8015				GC1040	WSM36	KC730M		IC808	YBG9320
		EP5226	MP7030		AH3135						GC1030		KC720M		IC830	YBG252
		FP5224									S30T		KC522M		IC900	
		FP5323											KC525M		IC908	
		EP4351											KCPM40		IC928	
		EP4352											KCPK20		IC1008	
		FP5324														
		FP5355														
		HP5325														
	30	**MP6230**	VP15TF	ACP200	AH130	PR830	JC5015	JS4050	PC9530	TT8020	S30T	WSM35	KC537M	F30M	IC250	YBG302
		MP6329	VP20RT	ACP300	AH3135	PR1225	JC7560	CY250V		TT8080	GC1040	WSM36	KC725M	F40M	IC300	
		MP6330	VP30RT	ACM300		PR1525	JC8015	HC844			GC2030	WSP45	KC735M	MP3000	IC328	
		MP6235	MP7130			PR1535	JC7560P					WSP46	KCPM40		IC330	
		MP6258	MP7030				JC8050						KC530M		IC830	
			MP7140				JC8118P								IC928	

铣刀片材质对比表-PVD涂层
Insert Grades-Milling(PVD Coating)

类别 Category	ISO	探戈 TORKOAL	三菱 MiTSUBiSHi	住友 SUMITOMO	泰珂洛 TUNGALOY	京瓷 KYOCERA	戴杰 DIJET	日立 HITACHI	克洛伊 KORLOY	特固克 TaeguTec	山特维克 SANDVIK	瓦尔特 Walter	肯纳 KENNAMETAL	山高 SECO	伊斯卡 ISCAR	株洲钻石 ZCC.CT
M	30						JC8118P								IC900	
							JC8015								IC928	
							JC5118								IC950	
															IC1008	
	40		VP30RT	ACP300	AH140	PR1525	JC6235	JS4060		TT8020	GC1030	WXP45	KC735M	F40M	IC300	YBG302
							JC7560	PTH30E			GC1130	WSP46	KC537M	T60M	IC328	
							JC8050	PTH40H			GC2030		KCPM40		IC330	
							JC7560P	JX1060							IC830	
							JC5040	JS4060							IC928	
							JC8118P								IC1008	
K	01						JC5118									
							JC8118P									
							JC5118									
	10							PN08M							IC907	
								PN208								
				ACM100	AH725	PR1225	JC5003	PN15M		TT5525	GC1025	WXM15	KC735M		IC903	YBG252
								PN215		TT9030	GC1030		KC515M			
										TT9080	GC1130					
											GC1010					
			VP15TF	ACP200	AH725	PR1025	JC5015	JP4120		TT8020	GC1025	WXM15	KC610M	F25M	IC250	YBG205
			VP20RT		AH130	PR1225	JC5118			TT8080	GC2030	WSM35	KC5635M	MP3000	IC300	YBG202
			MP7130		AH6030		JC8015				GC1040	WSM36	KC730M		IC808	YBG9320
			MP7030		AH3135						GC1030		KC720M		IC830	YBG252
	20	**FP5225**									S30T		KC522M		IC900	
		EP5225											KC525M		IC908	
		JP5225											KCPM40		IC928	
		FP5224											KCPK20		IC1008	
		FP5324														
		HP3320														
		HP3420														
			VP15TF	ACP200	AH130	PR830	JC5015	JS4050	PC9530	TT8020	S30T	WSM35	KC537M	F30M	IC250	YBG302
			VP20RT	ACP300	AH3135	PR1225	JC7560	CY250V		TT8080	GC1040	WSM36	KC725M	F40M	IC300	
			VP30RT	ACM300		PR1525	JC8015	HC844			GC2030	WSP45	KC735M	MP3000	IC328	
	30		MP7130			PR1535	JC7560P					WSP46	KCPM40		IC330	
			MP7030				JC8050						KC530M		IC830	
			MP7140				JC8118P								IC928	

铣刀片材质对比表-PVD涂层
Insert Grades-Milling(PVD Coating)

类别 Category	ISO	探戈 TORKOAL	三菱 MiTSUBiSHi	住友 SUMITOMO	泰珂洛 TUNGALOY	京瓷 KYOCERA	戴杰 DIJET	日立 HITACHI	克洛伊 KORLOY	特固克 TaeguTec	山特维克 SANDVIK	瓦尔特 Walter	肯纳 KENNAMETAL	山高 SECO	伊斯卡 ISCAR	株洲钻石 ZCC.CT
K	30						JC8188P						KC537M		IC928	
															IC950	
															IC1008	
S	01	**UP3205**			AH110	PR1210	JC8003	PN08M							IC907	
		UP3206			AH710		JC8015	PN208							IC908	
		UP3306					JC5118								IC808	
		EP4255														
															IC903	
	10	**UP3205**	MP9120	EH520Z	AH120	PR1210	JC8003	JS1025		TT9030	GC1130		KC510M	MS2050	IC903	YBG202
		UP3206	VP15TF	EH20Z	AH725		JC8015	JP4120		TT9080	GC1010				IC907	
		UP3306		ACM100			JC5118			TT8080	GC1030				IC908	
		EP4255					JC5015				GC2030				IC840	
															IC910	
															IC808	
	20	**FP5323**	VP15TF	EH520Z	AH725	PR1535	JC8050	PTH30H		TT8020	S30T	WSM35	KC522M	MS2050	IC300	
		EP4351	MP9120	EH20Z	AH130		JC8015			TT8080	GC2030	WSM36	KC525M		IC908	
		FP5325	MP9130	ACK300	AH6030		JC5118				GC1030		KCSM30		IC808	
		EP4352	MP9030	ACP300			JC5015				GC1130		KCPM40		IC900	
		FP5355													IC830	
															IC928	
															IC328	
															IC330	
															IC840	
															IC882	
															IC380	
	30	**MP6329**		ACK300	AH130	PR1535	JC8050	JM4160		TT8020	GC2030	WSM35	KC725M	F40M	IC830	
		MP6330		ACP300			JC7560				GC1040	WSM36		MS2050	IC882	
		MP6258					JC5118					WSP45		KCSM40	IC928	
												WSP46				
H	01	**UP3205**	MP8010		AH110		JC8003			TT2510					IC903	
		UP3206	VP05HT				DH103			TT5505						
		UP3306					JC8008									
							DH102									
	10	**UP3205**	VP15TF		AH120		JC8003	JP4105		TT5515	GC1130	WXH15	KC505M	MH1000	IC900	
		UP3206	VP10H				JC8008	TH308		TT6080	GC1010		KC510M	F15M	IC808	
		UP3306					JC8015	TH303			GC1030				IC907	

铣削刀片 Milling Insert

铣刀片材质对比表-PVD涂层
Insert Grades-Milling(PVD Coating)

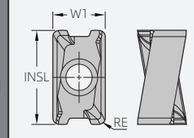
类别 Category	ISO	探戈 TORKOAL	三菱 MiTSUBiSHi	住友 SUMITOMO	泰珂洛 TUNGALOY	京瓷 KYOCERA	戴杰 DIJET	日立 HITACHI	克洛伊 KORLOY	特固克 TaeguTec	山特维克 SANDVIK	瓦尔特 Walter	肯纳 KENNAMETAL	山高 SECO	伊斯卡 ISCAR	株洲钻石 ZCC.CT
H	10						JC5118	PTH08M							IC905	
							JC8118P	ATH08M								
								ATH80D								
	20	**FP5225**	VP15TF		AH120		JC8015	JP4115		TT5515	GC1030	WHH15		F15M	IC900	
		FP5224			AH725		JC5118	TH315		TT6080	GC1130				IC808	
		FP5324			AH9030		JC8118P								IC908	
															IC380	
															IC1008	
	30							JP4120						F30M	IC380	
														MP3000	IC900	
															IC1008	

可转位刀具 Indexable Tool

AN | ANKU刀片 ANKU Insert

适用：■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig



工件材料 Work Piece	FC5425	EC6640	EC4416	EC4420	MC6440	UP3306	FP5225	FP5323	FP5325	FP5324	MP6330	EP4352	EP5225	EP5226	HP5320	HP5325	HP3320	HP3420	HP5324	JP5220	EP4255	FP5355	MP6258	NA10
P钢	◆	▼			▼		◆	◆	◆	◆	▽		◆	◆	◆	◆				◆				
M不锈钢					▼		◇	◆	◆	◆	▼	◆	◇	◆	◆	◆			◆	◆		◆	◆	
K铸铁			■	◆	▼		◆	◇	◆	◆			◆	◆			◆	◆						
N有色金属																								■
S耐热合金						■		◆	◇		▼	◇			◆				◆	◆	◆	◆	◆	
H高硬度材料						■				◇		◇		◇							◆			

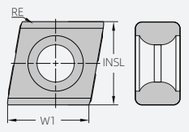
技术参数 Technical parameters	型号 Specification	尺寸 Dimention INSL	W1	IC	RE
通用-精-半精加工 G-Finish Process-Semi-finish Process	ANKU120404PFR-GZ3	12.55	7.00	-	0.40
	ANHU120404PFR-GZ3	12.55	7.00	-	0.40
	ANKU120408PFR-GZ3	12.55	7.00	-	0.80
	ANKU120412PFR-GZ3	12.55	7.00	-	1.20
	ANKU17T608PFR-GZ3	17.3	10.40	-	0.80
	ANKU17T616PFR-GZ3	17.3	10.40	-	1.60
通用-半精加工 G-Semi-finish Process	ANKU120408PER-GZ4	12.55	7.00	-	0.80
	ANKU17T608PER-GZ4	17.30	10.40	-	0.80
	ANHU17T608PER-GZ4	17.30	10.40	-	0.80

库存：▲ 主推牌号 ● 可选牌号 ○ 按订单生产
Stock: ▲ Excellent(Instock) ● Good(Instock) ○ On Request

CN | CNHX刀片 CNHX Insert

适用：■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig



工件材料 Work Piece	FC5425	EC6640	EC4416	EC4420	MC6440	UP3306	FP5225	FP5323	FP5325	FP5324	MP6330	EP4352	EP5225	EP5226	HP5320	HP5325	HP3320	HP3420	HP5324	JP5220	EP4255	FP5355	MP6258	NA10
P钢	◆	▼			▼		◆	◆	◆	◆	▽		◆	◆	◆	◆				◆				
M不锈钢					▼		◇	◆	◆	◆	▼	◆	◇	◆	◆	◆			◆	◆		◆	◆	
K铸铁			■	◆	▼		◆	◇	◆	◆			◆	◆			◆	◆						
N有色金属																								■
S耐热合金						■		◆	◇		▼	◇			◆				◆	◆	◆	◆	◆	
H高硬度材料						■				◇		◇		◇							◆			

技术参数 Technical parameters	型号 Specification	尺寸 Dimention INSL	W1	IC	RE
通用-半精加工 G-Semi-finish Process	CNHX100504N-GZ2	9.92	10.00	-	0.40
	CNHX100508N-GZ2	9.92	10.00	-	0.80
	CNHX100512N-GZ2	9.92	10.00	-	1.20
	CNHX100516N-GZ2	9.92	10.00	-	1.60
	CNHX131104N-GZ2	12.70	11.00	-	0.40
	CNHX131108N-GZ2	12.70	11.00	-	0.80
	CNHX131112N-GZ2	12.70	11.00	-	1.20
	CNHX131116N-GZ2	12.70	11.00	-	1.60
	CNHX131124N-GZ2	12.70	11.00	-	2.40
	CNHX131130N-GZ2	12.70	11.00	-	3.00
	CNHX160604N-GZ2	16.00	12.00	-	0.40
	CNHX160608N-GZ2	16.00	12.00	-	0.80
	CNHX160612N-GZ2	16.00	12.00	-	1.20
	CNHX160616N-GZ2	16.00	12.00	-	1.60
	CNHX160624N-GZ2	16.00	12.00	-	2.40
	CNHX160630N-GZ2	16.00	12.00	-	3.00

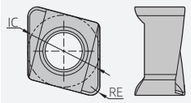
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Stock: ▲ Excellent(Instock) ● Good(Instock) ○ On Request

铣削刀片 Milling Insert

EN ENMU刀片 ENMU Insert

适用：■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig



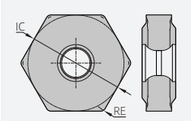
工件材料 Work Piece	FC5425	EC6640	EC4416	EC4420	MC6440	UP3306	FP5225	FP5323	FP5325	FP5324	MP6330	EP4352	EP5225	EP5226	HP5320	HP5325	HP3320	HP3420	HP5324	JP5220	EP4255	FP5355	MP6258	NA10
P钢	◆	▼			▼		◆	◆	◆	◆	▽		◆	◆	◆	◆				◆				
M不锈钢					▼		◇	◆	◆	◆	▼	◆	◇	◆	◆	◆			◆	◆		◆	◆	
K铸铁			■	◆	▼		◆	◇	◆	◆			◆	◆			◆	◆						
N有色金属																								■
S耐热合金						■		◆	◇		▼	◇				◆			◆	◆	◆	◆	◆	
H高硬度材料						■				◇		◇		◇							◆			

技术参数 Technical parameters	型号 Specification	尺寸 Dimention INSL	W1	IC	RE	刀片牌号 Insert Grade FC5425	EC6640	EC4416	EC4420	MC6440	UP3306	FP5225	FP5323	FP5325	FP5324	MP6330	EP4352	EP5225	EP5226	HP5320	HP5325	HP3320	HP3420	HP5324	JP5220	EP4255	FP5355	MP6258	NA10
通用-半精加工 G-Semi-finish Process	ENMU060308R-GZ4	-	-	6.60	0.80							▲	●	○	●														
	ENMU090408R-GZ4	-	-	8.60	0.80							▲		○	●														
	ENMU110608R-GZ4	-	-	10.70	0.80							▲		●	●														

HN HNMX刀片 HNMX Insert

适用：■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig



工件材料 Work Piece	FC5425	EC6640	EC4416	EC4420	MC6440	UP3306	FP5225	FP5323	FP5325	FP5324	MP6330	EP4352	EP5225	EP5226	HP5320	HP5325	HP3320	HP3420	HP5324	JP5220	EP4255	FP5355	MP6258	NA10
P钢	◆	▼			▼		◆	◆	◆	◆	▽		◆	◆	◆	◆				◆				
M不锈钢					▼		◇	◆	◆	◆	▼	◆	◇	◆	◆	◆			◆	◆		◆	◆	
K铸铁			■	◆	▼		◆	◇	◆	◆			◆	◆			◆	◆						
N有色金属																								■
S耐热合金						■		◆	◇		▼	◇				◆			◆	◆	◆	◆	◆	
H高硬度材料						■				◇		◇		◇							◆			

技术参数 Technical parameters	型号 Specification	尺寸 Dimention INSL	W1	IC	RE	刀片牌号 Insert Grade FC5425	EC6640	EC4416	EC4420	MC6440	UP3306	FP5225	FP5323	FP5325	FP5324	MP6330	EP4352	EP5225	EP5226	HP5320	HP5325	HP3320	HP3420	HP5324	JP5220	EP4255	FP5355	MP6258	NA10
通用-粗加工 G-Rough Process	HNMX0907ANSN-GQ4	-	-	16.50	1.00				●	●		▲			▲														
通用-半精加工 G-Semi-finish Process	HNMX0907ANSN-GQ3	-	-	16.50	1.00				●	●		▲			▲														

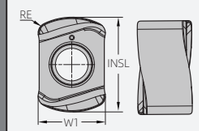
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Stock: ▲ Excellent(Instock) ● Good(Instock) ○ On Request

铣削刀片 Milling Insert

BL BLMP刀片 BLMP Insert

适用：■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig



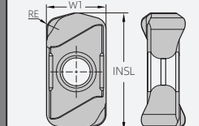
工件材料 Work Piece	FC5425	EC6640	EC4416	EC4420	MC6440	UP3306	FP5225	FP5323	FP5325	FP5324	MP6330	EP4352	EP5225	EP5226	HP5320	HP5325	HP3320	HP3420	HP5324	JP5220	EP4255	FP5355	MP6258	NA10
P钢	◆	▼			▼		◆	◆	◆	◆	▽		◆	◆	◆	◆				◆				
M不锈钢					▼		◇	◆	◆	◆	▼	◆	◇	◆	◆	◆			◆	◆		◆	◆	
K铸铁			■	◆	▼		◆	◇	◆	◆			◆	◆			◆	◆						
N有色金属																								■
S耐热合金						■		◆	◇		▼	◇				◆			◆	◆	◆	◆	◆	
H高硬度材料						■				◇		◇		◇							◆			

技术参数 Technical parameters	型号 Specification	尺寸 Dimention INSL	W1	IC	RE	刀片牌号 Insert Grade FC5425	EC6640	EC4416	EC4420	MC6440	UP3306	FP5225	FP5323	FP5325	FP5324	MP6330	EP4352	EP5225	EP5226	HP5320	HP5325	HP3320	HP3420	HP5324	JP5220	EP4255	FP5355	MP6258	NA10
通用-半精加工 G-Semi-finish Process	BLMP0603R-GK4	9.00	6.39	-	1.00							●		●	●		●												
	BLMP0904R-GK4	11.90	9.18	-	1.20							●		●	●		●												

LN LNMU刀片 HNMU Insert

适用：■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig



工件材料 Work Piece	FC5425	EC6640	EC4416	EC4420	MC6440	UP3306	FP5225	FP5323	FP5325	FP5324	MP6330	EP4352	EP5225	EP5226	HP5320	HP5325	HP3320	HP3420	HP5324	JP5220	EP4255	FP5355	MP6258	NA10
P钢	◆	▼			▼		◆	◆	◆	◆	▽		◆	◆	◆	◆				◆				
M不锈钢					▼		◇	◆	◆	◆	▼	◆	◇	◆	◆	◆			◆	◆		◆	◆	
K铸铁			■	◆	▼		◆	◇	◆	◆			◆	◆			◆	◆						
N有色金属																								■
S耐热合金						■		◆	◇		▼	◇				◆			◆	◆	◆	◆	◆	
H高硬度材料						■				◇		◇		◇							◆			

技术参数 Technical parameters	型号 Specification	尺寸 Dimention INSL	W1	IC	RE	刀片牌号 Insert Grade FC5425	EC6640	EC4416	EC4420	MC6440	UP3306	FP5225	FP5323	FP5325	FP5324	MP6330	EP4352	EP5225	EP5226	HP5320	HP5325	HP3320	HP3420	HP5324	JP5220	EP4255	FP5355	MP6258	NA10
通用-半精加工 G-Semi-finish Process	LNMU0303ZER-GK3	11.87	6.00	-	1.20							▲	●	▲	▲	●													
耐热合金、不锈钢 半精加工 S/M-Semi-finish Process	LNMU0303ZER-SK3	11.87	6.00	-	1.20									▲	▲	▲	▲										▲		

库存：▲ 主推牌号 ● 可选牌号 ○ 按订单生产
Stock: ▲ Excellent(Instock) ● Good(Instock) ○ On Request

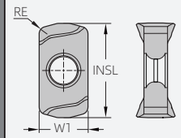
可转位刀具 Indexable Tool

铣削刀片 Milling Insert

LO | LOGU刀片 LOGU Insert

适用：■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig



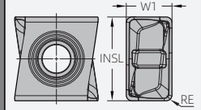
工件材料 Work Piece	FC5425	EC6640	EC4416	EC4420	MC6440	UP3306	FP5225	FP5323	FP5325	FP5324	MP6330	EP4352	EP5225	EP5226	HP5320	HP5325	HP3320	HP3420	HP5324	JP5220	EP4255	FP5355	MP6258	NA10
P钢	◆	▼			▼		◆	◆	◆	◆	▽		◆	◆	◆	◆			◆					
M不锈钢					▼		◇	◆	◆	◆	▼	◆	◇	◆	◆	◆			◆	◆		◆	◆	
K铸铁			■	◆	▼		◆	◇	◆	◆			◆	◆			◆	◆						
N有色金属																								■
S耐热合金						■		◆	◇		▼	◇				◆			◆	◆	◆	◆	◆	
H高硬度材料						■				◇		◇		◇							◆			

技术参数 Technical parameters	型号 Specification	尺寸 Dimention				刀片牌号 Insert Grade																					
		INSL	W1	IC	RE	FC5425	EC6640	EC4416	EC4420	MC6440	UP3306	FP5225	FP5323	FP5325	FP5324	MP6330	EP4352	EP5225	EP5226	HP5320	HP5325	HP3320	HP3420	HP5324	JP5220	EP4255	FP5355	MP6258	NA10
通用-半精加工 G-Semi-finish Process	LOGU030310ER-GK4	11.60	6.20	-	1.00							●		●	●	●	●												

LN | LNHU刀片 LNHU Insert

适用：■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig



工件材料 Work Piece	FC5425	EC6640	EC4416	EC4420	MC6440	UP3306	FP5225	FP5323	FP5325	FP5324	MP6330	EP4352	EP5225	EP5226	HP5320	HP5325	HP3320	HP3420	HP5324	JP5220	EP4255	FP5355	MP6258	NA10
P钢	◆	▼			▼		◆	◆	◆	◆	▽		◆	◆	◆	◆			◆					
M不锈钢					▼		◇	◆	◆	◆	▼	◆	◇	◆	◆	◆			◆	◆		◆	◆	
K铸铁			■	◆	▼		◆	◇	◆	◆			◆	◆			◆	◆						
N有色金属																								■
S耐热合金						■		◆	◇		▼	◇				◆			◆	◆	◆	◆	◆	
H高硬度材料						■				◇		◇		◇							◆			

技术参数 Technical parameters	型号 Specification	尺寸 Dimention				刀片牌号 Insert Grade																					
		INSL	W1	IC	RE	FC5425	EC6640	EC4416	EC4420	MC6440	UP3306	FP5225	FP5323	FP5325	FP5324	MP6330	EP4352	EP5225	EP5226	HP5320	HP5325	HP3320	HP3420	HP5324	JP5220	EP4255	FP5355	MP6258	NA10
通用-半精加工 G-Semi-finish Process	LNHU090404R-GZ3	9.02	4.48	-	0.40															▲	▲	▲		▲					
	LNHU120608R-GZ3	12.70	6.75	-	0.80															▲	▲	▲		▲					
	LNHU120612R-GZ3	12.70	6.75	-	1.20															▲	▲	▲		▲					
	LNHU160808R-GZ3	16.40	8.00	-	0.80															▲	▲	▲		▲					
铝用-半精加工 N-Semi-finish Process	LNHU120608R-NZ3	12.70	6.75	-	0.80																								●

库存：▲ 主推牌号 ● 可选牌号 ○ 按订单生产
Stock: ▲ Excellent(Instock) ● Good(Instock) ○ On Request

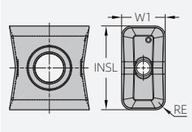
可转位刀具 Indexable Tool

铣削刀片 Milling Insert

LN | LNKX刀片 LNKX Insert

适用：■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig



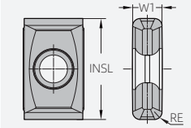
工件材料 Work Piece	FC5425	EC6640	EC4416	EC4420	MC6440	UP3306	FP5225	FP5323	FP5325	FP5324	MP6330	EP4352	EP5225	EP5226	HP5320	HP5325	HP3320	HP3420	HP5324	JP5220	EP4255	FP5355	MP6258	NA10
P钢	◆	▼			▼		◆	◆	◆	◆	▽		◆	◆	◆	◆			◆					
M不锈钢					▼		◇	◆	◆	◆	▼	◆	◇	◆	◆	◆			◆	◆		◆	◆	
K铸铁			■	◆	▼		◆	◇	◆	◆			◆	◆			◆	◆						
N有色金属																								■
S耐热合金						■		◆	◇		▼	◇				◆			◆	◆	◆	◆	◆	
H高硬度材料						■				◇		◇		◇							◆			

技术参数 Technical parameters	型号 Specification	尺寸 Dimention				刀片牌号 Insert Grade																					
		INSL	W1	IC	RE	FC5425	EC6640	EC4416	EC4420	MC6440	UP3306	FP5225	FP5323	FP5325	FP5324	MP6330	EP4352	EP5225	EP5226	HP5320	HP5325	HP3320	HP3420	HP5324	JP5220	EP4255	FP5355	MP6258	NA10
通用-粗加工 G-Rough Process	LNKX100512N-GQ4	10.00	5.20	-	1.20															▲				▲					
	LNKX120608N-GQ4	12.70	6.35	-	0.80																	●							

LN | LNGX刀片 LNGX Insert

适用：■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig



工件材料 Work Piece	FC5425	EC6640	EC4416	EC4420	MC6440	UP3306	FP5225	FP5323	FP5325	FP5324	MP6330	EP4352	EP5225	EP5226	HP5320	HP5325	HP3320	HP3420	HP5324	JP5220	EP4255	FP5355	MP6258	NA10
P钢	◆	▼			▼		◆	◆	◆	◆	▽		◆	◆	◆	◆			◆					
M不锈钢					▼		◇	◆	◆	◆	▼	◆	◇	◆	◆	◆			◆	◆		◆	◆	
K铸铁			■	◆	▼		◆	◇	◆	◆			◆	◆			◆	◆						
N有色金属																								■
S耐热合金						■		◆	◇		▼	◇				◆			◆	◆	◆	◆	◆	
H高硬度材料						■				◇		◇		◇							◆			

技术参数 Technical parameters	型号 Specification	尺寸 Dimention				刀片牌号 Insert Grade																					
		INSL	W1	IC	RE	FC5425	EC6640	EC4416	EC4420	MC6440	UP3306	FP5225	FP5323	FP5325	FP5324	MP6330	EP4352	EP5225	EP5226	HP5320	HP5325	HP3320	HP3420	HP5324	JP5220	EP4255	FP5355	MP6258	NA10
通用-修光刃 G-Wiper	LNGX150412N-GQ2	15.87	4.76	-	1.20															▲			▲						

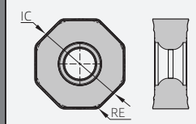
库存：▲ 主推牌号 ● 可选牌号 ○ 按订单生产
Stock: ▲ Excellent(Instock) ● Good(Instock) ○ On Request

铣削刀片 Milling Insert

ON | ONHU刀片 ONHU Insert

适用：■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig



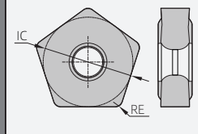
工件材料 Work Piece	FC5425	EC6640	EC4416	EC4420	MC6440	UP3306	FP5225	FP5323	FP5325	FP5324	MP6330	EP4352	EP5225	EP5226	HP5320	HP5325	HP3320	HP3420	HP5324	JP5220	EP4255	FP5355	MP6258	NA10
P钢	◆	▼			▼		◆	◆	◆	◆	▽		◆	◆	◆	◆				◆				
M不锈钢					▼		◇	◆	◆	◆	▼	◆	◇	◆	◆	◆			◆	◆		◆	◆	
K铸铁			■	◆	▼		◆	◇	◆	◆			◆	◆			◆	◆						
N有色金属																								■
S耐热合金						■		◆	◇		▼	◇				◆			◆	◆	◆	◆	◆	
H高硬度材料						■				◇		◇		◇							◆			

技术参数 Technical parameters	型号 Specification	尺寸 Dimention INSL	W1	IC	RE	刀片牌号 Insert Grade FC5425	EC6640	EC4416	EC4420	MC6440	UP3306	FP5225	FP5323	FP5325	FP5324	MP6330	EP4352	EP5225	EP5226	HP5320	HP5325	HP3320	HP3420	HP5324	JP5220	EP4255	FP5355	MP6258	NA10
耐热合金、不锈钢精加工 S/M-Finish Process	ONHU050408N-SZ3	-	-	12.70	0.80							●		▲			●									●			
通用-半精加工 G-Semi-finish Process	ONHU050408N-GZ4	-	-	12.70	0.80							●		▲		▲	●									●			
通用-半精加工 G-Semi-finish Process	ONMU090520ANTN-GZ4	-	-	22.00	2.00							●																	

PN | PN**刀片 PN** Insert

适用：■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig



工件材料 Work Piece	FC5425	EC6640	EC4416	EC4420	MC6440	UP3306	FP5225	FP5323	FP5325	FP5324	MP6330	EP4352	EP5225	EP5226	HP5320	HP5325	HP3320	HP3420	HP5324	JP5220	EP4255	FP5355	MP6258	NA10
P钢	◆	▼			▼		◆	◆	◆	◆	▽		◆	◆	◆	◆				◆				
M不锈钢					▼		◇	◆	◆	◆	▼	◆	◇	◆	◆	◆			◆	◆		◆	◆	
K铸铁			■	◆	▼		◆	◇	◆	◆			◆	◆			◆	◆						
N有色金属																								■
S耐热合金						■		◆	◇		▼	◇				◆			◆	◆	◆	◆	◆	
H高硬度材料						■				◇		◇		◇							◆			

技术参数 Technical parameters	型号 Specification	尺寸 Dimention INSL	W1	IC	RE	刀片牌号 Insert Grade FC5425	EC6640	EC4416	EC4420	MC6440	UP3306	FP5225	FP5323	FP5325	FP5324	MP6330	EP4352	EP5225	EP5226	HP5320	HP5325	HP3320	HP3420	HP5324	JP5220	EP4255	FP5355	MP6258	NA10
通用-半精加工 G-Semi-finish Process	PNCU0905GNER-GQ4	-	-	12.20	0.80							●		●	●		●										●		
通用-半精加工 G-Semi-finish Process	PNMU090508ENER-GQ3	-	-	13.50	0.80							●			●		●												

库存：▲ 主推牌号 ● 可选牌号 ○ 按订单生产
Stock: ▲ Excellent(Instock) ● Good(Instock) ○ On Request

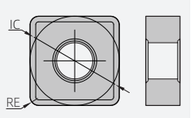
可转位刀具 Indexable Tool

铣削刀片 Milling Insert

SN | SNMU刀片 SNMU Insert

适用：■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig



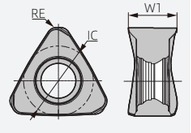
工件材料 Work Piece	FC5425	EC6640	EC4416	EC4420	MC6440	UP3306	FP5225	FP5323	FP5325	FP5324	MP6330	EP4352	EP5225	EP5226	HP5320	HP5325	HP3320	HP3420	HP5324	JP5220	EP4255	FP5355	MP6258	NA10
P钢	◆	▼			▼		◆	◆	◆	◆	▽		◆	◆	◆	◆				◆				
M不锈钢					▼		◇	◆	◆	◆	▼	◆	◇	◆	◆	◆			◆	◆		◆	◆	
K铸铁			■	◆	▼		◆	◇	◆	◆			◆	◆			◆	◆						
N有色金属																								■
S耐热合金						■		◆	◇		▼	◇				◆			◆	◆	◆	◆	◆	
H高硬度材料						■				◇		◇		◇							◆			

技术参数 Technical parameters	型号 Specification	尺寸 Dimention INSL	W1	IC	RE	刀片牌号 Insert Grade FC5425	EC6640	EC4416	EC4420	MC6440	UP3306	FP5225	FP5323	FP5325	FP5324	MP6330	EP4352	EP5225	EP5226	HP5320	HP5325	HP3320	HP3420	HP5324	JP5220	EP4255	FP5355	MP6258	NA10
通用-半精加工 G-Semi-finish Process	SNMU130508EN-GQ3	-	-	13.00	0.80				●			▲		▲	▲														
通用-半精加工 G-Semi-finish Process	SNMX1205ANN-GQ3	-	-	12.70	0.80			●			●	▲		▲	▲		●												
通用-半精加工 G-Semi-finish Process	SNMX120512N-GQ3	-	-	12.70	1.20			●				●		●	●														

TN | TNMU刀片 TNMU Insert

适用：■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig



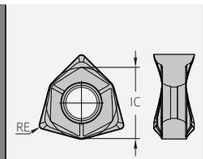
工件材料 Work Piece	FC5425	EC6640	EC4416	EC4420	MC6440	UP3306	FP5225	FP5323	FP5325	FP5324	MP6330	EP4352	EP5225	EP5226	HP5320	HP5325	HP3320	HP3420	HP5324	JP5220	EP4255	FP5355	MP6258	NA10
P钢	◆	▼			▼		◆	◆	◆	◆	▽		◆	◆	◆	◆				◆				
M不锈钢					▼		◇	◆	◆	◆	▼	◆	◇	◆	◆	◆			◆	◆		◆	◆	
K铸铁			■	◆	▼		◆	◇	◆	◆			◆	◆			◆	◆						
N有色金属																								■
S耐热合金						■		◆	◇		▼	◇				◆			◆	◆	◆	◆	◆	
H高硬度材料						■				◇		◇		◇							◆			

技术参数 Technical parameters	型号 Specification	尺寸 Dimention INSL	W1	IC	RE	刀片牌号 Insert Grade FC5425	EC6640	EC4416	EC4420	MC6440	UP3306	FP5225	FP5323	FP5325	FP5324	MP6330	EP4352	EP5225	EP5226	HP5320	HP5325	HP3320	HP3420	HP5324	JP5220	EP4255	FP5355	MP6258	NA10
通用-半精加工 G-Semi-finish Process	TNMU070304PER-GQ3	-	4.10	5.70	0.40															▲		▲		▲					
通用-半精加工 G-Semi-finish Process	TNMU070308PER-GQ3	-	4.00	5.70	0.80															▲		▲		▲					
通用-半精加工 G-Semi-finish Process	TNMU130708PER-GQ3	-	7.20	10.00	0.80															▲		▲		▲					
通用-半精加工 G-Semi-finish Process	TNMU130716PER-GQ3	-	7.20	10.00	1.60															▲		▲		▲					
通用-半精加工 G-Semi-finish Process	TNMU130720PER-GQ3	-	7.10	10.00	2.00															▲		▲		▲					

库存：▲ 主推牌号 ● 可选牌号 ○ 按订单生产
Stock: ▲ Excellent(Instock) ● Good(Instock) ○ On Request

WN | WNGU刀片 WNGU Insert

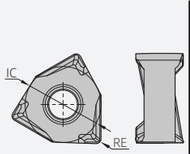
适用：■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig	工件材料 Work Piece	FC5425	EC6640	EC4416	EC4420	MC6440	UP3306	FP5225	FP5323	FP5325	FP5324	MP6330	EP4352	EP5225	EP5226	HP5320	HP5325	HP3320	HP3420	HP5324	JP5220	EP4255	FP5355	MP6258	NA10
	P钢	◆	▼			▼		◆	◆	◆	◆	▽		◆	◆	◆	◆				◆				
	M不锈钢					▼		◇	◆	◆	◆	▼	◆	◇	◆	◆	◆			◆	◆		◆	◆	
	K铸铁			■	◆	▼		◆	◇	◆	◆			◆	◆			◆	◆						
	N有色金属																								■
	S耐热合金						■		◆	◇		▼	◇						◆		◆	◆	◆	◆	◆
	H高硬度材料						■				◇		◇		◇							◆			

技术参数 Technical parameters	型号 Specification	尺寸 Dimention INSL	W1	IC	RE	刀片牌号 Insert Grade FC5425	EC6640	EC4416	EC4420	MC6440	UP3306	FP5225	FP5323	FP5325	FP5324	MP6330	EP4352	EP5225	EP5226	HP5320	HP5325	HP3320	HP3420	HP5324	JP5220	EP4255	FP5355	MP6258	NA10
通用-半精加工 G-Semi-finish Process	WNGU080608N-GZ3	-	-	14.04	0.80				○	○		▲		▲	▲														

XN | XNEX刀片 XNEX Insert

适用：■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

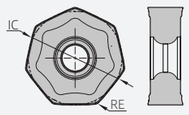
图示 Fig	工件材料 Work Piece	FC5425	EC6640	EC4416	EC4420	MC6440	UP3306	FP5225	FP5323	FP5325	FP5324	MP6330	EP4352	EP5225	EP5226	HP5320	HP5325	HP3320	HP3420	HP5324	JP5220	EP4255	FP5355	MP6258	NA10
	P钢	◆	▼			▼		◆	◆	◆	◆	▽		◆	◆	◆	◆				◆				
	M不锈钢					▼		◇	◆	◆	◆	▼	◆	◇	◆	◆	◆			◆	◆		◆	◆	
	K铸铁			■	◆	▼		◆	◇	◆	◆			◆	◆			◆	◆						
	N有色金属																								■
	S耐热合金						■		◆	◇		▼	◇						◆		◆	◆	◆	◆	◆
	H高硬度材料						■				◇		◇		◇							◆			

技术参数 Technical parameters	型号 Specification	尺寸 Dimention INSL	W1	IC	RE	刀片牌号 Insert Grade FC5425	EC6640	EC4416	EC4420	MC6440	UP3306	FP5225	FP5323	FP5325	FP5324	MP6330	EP4352	EP5225	EP5226	HP5320	HP5325	HP3320	HP3420	HP5324	JP5220	EP4255	FP5355	MP6258	NA10
通用-半精加工 G-Semi-finish Process	XNEX080608TR-GZ3	-	-	12.50	0.80			●		●		▲			▲		●												
	XNEX080612TR-GZ3	-	-	12.50	1.20			●		○		▲			▲		●												

库存：▲ 主推牌号 ● 可选牌号 ○ 按订单生产
Stock: ▲ Excellent(Instock) ● Good(Instock) ○ On Request

XN | XNMU刀片 XNMU Insert

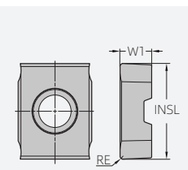
适用：■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig	工件材料 Work Piece	FC5425	EC6640	EC4416	EC4420	MC6440	UP3306	FP5225	FP5323	FP5325	FP5324	MP6330	EP4352	EP5225	EP5226	HP5320	HP5325	HP3320	HP3420	HP5324	JP5220	EP4255	FP5355	MP6258	NA10
	P钢	◆	▼			▼		◆	◆	◆	◆	▽		◆	◆	◆	◆				◆				
	M不锈钢					▼		◇	◆	◆	◆	▼	◆	◇	◆	◆	◆			◆	◆		◆	◆	
	K铸铁			■	◆	▼		◆	◇	◆	◆			◆	◆			◆	◆						
	N有色金属																								■
	S耐热合金						■		◆	◇		▼	◇			◆			◆	◆	◆	◆	◆	◆	
	H高硬度材料						■				◇		◇		◇						◆				

技术参数 Technical parameters	型号 Specification	尺寸 Dimention INSL	W1	IC	RE	刀片牌号 Insert Grade FC5425	EC6640	EC4416	EC4420	MC6440	UP3306	FP5225	FP5323	FP5325	FP5324	MP6330	EP4352	EP5225	EP5226	HP5320	HP5325	HP3320	HP3420	HP5324	JP5220	EP4255	FP5355	MP6258	NA10
耐热合金、不锈钢半精加工 S/M-Semi-finish Process	XNMU070508N-SZ3	-	-	14.50	0.80					●		●	●	▲	▲	▲	●										●		

ZN | ZNHT刀片 ZNHT Insert

适用：■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig	工件材料 Work Piece	FC5425	EC6640	EC4416	EC4420	MC6440	UP3306	FP5225	FP5323	FP5325	FP5324	MP6330	EP4352	EP5225	EP5226	HP5320	HP5325	HP3320	HP3420	HP5324	JP5220	EP4255	FP5355	MP6258	NA10
	P钢	◆	▼			▼		◆	◆	◆	◆	▽		◆	◆	◆	◆				◆				
	M不锈钢					▼		◇	◆	◆	◆	▼	◆	◇	◆	◆	◆			◆	◆		◆	◆	
	K铸铁			■	◆	▼		◆	◇	◆	◆			◆	◆			◆	◆						
	N有色金属																								■
	S耐热合金						■		◆	◇		▼	◇			◆			◆	◆	◆	◆	◆	◆	
	H高硬度材料						■				◇		◇		◇						◆				

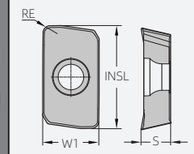
技术参数 Technical parameters	型号 Specification	尺寸 Dimention INSL	W1	IC	RE	刀片牌号 Insert Grade FC5425	EC6640	EC4416	EC4420	MC6440	UP3306	FP5225	FP5323	FP5325	FP5324	MP6330	EP4352	EP5225	EP5226	HP5320	HP5325	HP3320	HP3420	HP5324	JP5220	EP4255	FP5355	MP6258	NA10
通用-半精加工 G-Semi-finish Process	ZNHT023-04-GZ3	10.00	2.30	-	0.40														▲										
	ZNHT028-04-GZ3	10.00	2.80	-	0.40														▲										
	ZNHT033-04-GZ3	10.00	3.30	-	0.40														▲										
	ZNHT038-04-GZ3	13.00	3.80	-	0.40														▲										
	ZNHT043-04-GZ3	13.00	4.30	-	0.40														▲										
	ZNHT043-08-GZ3	13.00	4.30	-	0.80														▲										
	ZNHT048-04-GZ3	13.00	4.80	-	0.40														▲										
	ZNHT048-08-GZ3	13.00	4.80	-	0.80														▲										
	ZNHT053-04-GZ3	13.00	5.30	-	0.40														▲										
	ZNHT053-08-GZ3	13.00	5.30	-	0.80														▲										
	ZNHT058-04-GZ3	15.00	5.80	-	0.40														▲										
	ZNHT058-08-GZ3	15.00	5.80	-	0.80														▲										
	ZNHT063-04-GZ3	15.00	6.30	-	0.40														▲										
	ZNHT063-08-GZ3	15.00	6.30	-	0.80														▲										
	ZNHT068-08-GZ3	15.00	6.80	-	0.80														▲										
	ZNHT068-12-GZ3	15.00	6.80	-	1.20														▲										
	ZNHT073-08-GZ3	15.00	7.30	-	0.80														▲										
	ZNHT073-12-GZ3	15.00	7.30	-	1.20														▲										

库存：▲ 主推牌号 ● 可选牌号 ○ 按订单生产
Stock: ▲ Excellent(Instock) ● Good(Instock) ○ On Request

AP | APMT/BDMT/JDMT/R390刀片
APMT/BDMT/JDMT/R390 Insert

适用：■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig



工件材料 Work Piece	FC5425	EC6640	EC4416	EC4420	MC6440	UP3306	FP5225	FP5323	FP5325	FP5324	MP6330	EP4352	EP5225	EP5226	HP5320	HP5325	HP3320	HP3420	HP5324	JP5220	EP4255	FP5355	MP6258	NA10
P钢	◆	▼			▼		◆	◆	◆	◆	▽		◆	◆	◆	◆				◆				
M不锈钢					▼		◇	◆	◆	◆	▼	◆	◇	◆	◆	◆					◆	◆	◆	
K铸铁			■	◆	▼		◆	◇	◆	◆			◆	◆			◆	◆		◆				
N有色金属																								■
S耐热合金						■		◆	◇		▼	◇			◆					◆	◆	◆	◆	◆
H高硬度材料						■					◇	◇			◆									

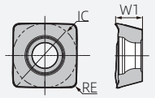
技术参数 Technical parameters	型号 Specification	尺寸 Dimention INSL	W1	IC	RE	FC5425	EC6640	EC4416	EC4420	MC6440	UP3306	FP5225	FP5323	FP5325	FP5324	MP6330	EP4352	EP5225	EP5226	HP5320	HP5325	HP3320	HP3420	HP5324	JP5220	EP4255	FP5355	MP6258	NA10
通用-半精加工 G-Semi-finish Process	APMT113508PDER-GQ3	11.39	6.20	-	0.80							▲		●	▲	○	●									●			
	APMT160408PDER-GQ3	17.20	9.25	-	0.80							▲		●	▲	○	●									●			
通用-半精加工 G-Semi-finish Process	APMT113508PDER-GZ3	11.39	6.20	-	0.80							▲	●	●	▲	○	●									●			
	APMT160408PDER-GZ3	17.20	9.25	-	0.80							▲	●	●	▲	○	●									●			
铝用-半精加工 N-Semi-finish Process	APKT113508PDFR-NQ2	11.39	6.20	-	0.80																								●
	APKT160408PDFR-NQ2	17.20	9.25	-	0.80																								●
耐热合金、不锈钢 半精加工 S/M-Semi-finish Process	APMT11T308PDER-SZ3	11.39	6.20	-	0.80									●			●									▲			
	APMT160408PDER-SZ3	17.20	9.25	-	0.80									○			●									▲			
通用-半精加工 G- Rough Process	BDMT11T308PDER-GQ3	12.15	7.00	-	0.80							▲		●	●														
	BDMT11T316PDER-GQ3	12.15	7.00	-	1.60							▲		●	●														
通用-半精加工 G-Semi-finish Process	JDMT070204R-GQ2	7.08	4.20	-	0.40						●	▲	●	●	▲		●												
	JDMT070208R-GQ2	7.08	4.20	-	0.80						●	▲	●	●	▲		●												
通用-半精加工 G-Semi-finish Process	R390-11T308R-GQ3	11.75	6.83	-	0.80	●						▲		●	▲	●	●												
	R390-170408R-GQ3	15.70	9.60	-	0.80		●											●	●										
	R390-180612R-GQ3	18.68	11.00	-	1.20					●		▲				●	○	●											

库存：▲ 主推牌号 ● 可选牌号 ○ 按订单生产
Stock: ▲ Excellent(Instock) ● Good(Instock) ○ On Request

SD | SDKX刀片
SDKX Insert

适用：■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig



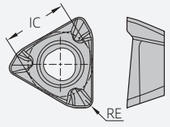
工件材料 Work Piece	FC5425	EC6640	EC4416	EC4420	MC6440	UP3306	FP5225	FP5323	FP5325	FP5324	MP6330	EP4352	EP5225	EP5226	HP5320	HP5325	HP3320	HP3420	HP5324	JP5220	EP4255	FP5355	MP6258	NA10
P钢	◆	▼			▼		◆	◆	◆	◆	▽		◆	◆	◆	◆				◆				
M不锈钢					▼		◇	◆	◆	◆	▼	◆	◇	◆	◆	◆					◆	◆	◆	
K铸铁			■	◆	▼		◆	◇	◆	◆			◆	◆			◆	◆		◆				
N有色金属																								■
S耐热合金						■		◆	◇		▼	◇			◆					◆	◆	◆	◆	◆
H高硬度材料						■				◇		◇		◇							◆			

技术参数 Technical parameters	型号 Specification	尺寸 Dimention INSL	W1	IC	RE	FC5425	EC6640	EC4416	EC4420	MC6440	UP3306	FP5225	FP5323	FP5325	FP5324	MP6330	EP4352	EP5225	EP5226	HP5320	HP5325	HP3320	HP3420	HP5324	JP5220	EP4255	FP5355	MP6258	NA10
通用-半精加工 G-Semi-finish Process	SDKX08T304R-GQ2	-	3.40	8.50	0.40															▲		▲		▲					
	SDKX08T308R-GQ2	-	3.40	8.50	0.80															▲		▲		▲					
通用-半精加工 G-Semi-finish Process	SDKX140408R-GQ3	-	4.20	13.87	0.80															▲		▲		▲					
	SDKX140412R-GQ3	-	4.20	13.87	1.20															▲		▲		▲					
	SDKX140416R-GQ3	-	4.20	13.87	1.60															▲		▲		▲					
	SDKX140420R-GQ3	-	4.20	13.87	2.00															▲		▲		▲					

TD | TDMX刀片
TDMX Insert

适用：■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig



工件材料 Work Piece	FC5425	EC6640	EC4416	EC4420	MC6440	UP3306	FP5225	FP5323	FP5325	FP5324	MP6330	EP4352	EP5225	EP5226	HP5320	HP5325	HP3320	HP3420	HP5324	JP5220	EP4255	FP5355	MP6258	NA10
P钢	◆	▼			▼		◆	◆	◆	◆	▽		◆	◆	◆	◆				◆				
M不锈钢					▼		◇	◆	◆	◆	▼	◆	◇	◆	◆	◆					◆	◆	◆	
K铸铁			■	◆	▼		◆	◇	◆	◆			◆	◆			◆	◆		◆				
N有色金属																								■
S耐热合金						■		◆	◇		▼	◇			◆					◆	◆	◆	◆	◆
H高硬度材料						■				◇		◇		◇							◆			

技术参数 Technical parameters	型号 Specification	尺寸 Dimention INSL	W1	IC	RE	FC5425	EC6640	EC4416	EC4420	MC6440	UP3306	FP5225	FP5323	FP5325	FP5324	MP6330	EP4352	EP5225	EP5226	HP5320	HP5325	HP3320	HP3420	HP5324	JP5220	EP4255	FP5355	MP6258	NA10
通用-半精加工 G-Semi-finish Process	TDMX060308R-GZ3	-	-	5.30	0.80							▲			▲														
	TDMX100408R-GZ3	-	-	6.90	0.80							▲			▲														
	TDMX150508R-GZ3	-	-	10.70	0.80							▲			▲														
通用-半精加工 G-Semi-finish Process	TDKX150508R-GZ3	-	-	10.70	0.80															▲		▲		▲					
通用-半精加工 G-Semi-finish Process	TDKX150508R-GZ2	-	-	10.70	0.80															▲		▲		▲					
铝用-半精加工 N-Semi-finish Process	TDHX150508R-NZ2	-	-	10.70	0.80																								▲

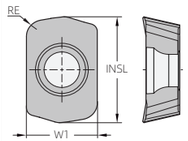
库存：▲ 主推牌号 ● 可选牌号 ○ 按订单生产
Stock: ▲ Excellent(Instock) ● Good(Instock) ○ On Request

可转位刀具 Indexable Tool

铣削刀片 Milling Insert

LP LPGT刀片 LPGT Insert

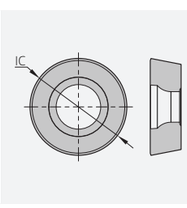
适用：■连续加工首选 □连续加工备选 ◆轻断续加工首选 ◇轻断续加工备选 ▼断续加工首选 ▽断续加工备选
Suit: ■Continuous Preferred □Continuous Alternative ◆Light Intermittent Preferred ◇Light Intermittent Alternative ▼Intermittent Preferred ▽Intermittent Alternative

图示 Fig	工件材料 Work Piece	FC5425	EC6640	EC4416	EC4420	MC6440	UP3306	FP5225	FP5323	FP5325	FP5324	MP6330	EP4352	EP5225	EP5226	HP5320	HP5325	HP3320	HP3420	HP5324	JP5220	EP4255	FP5355	MP6258	NA10
	P钢	◆	▼			▼		◆	◆	◆	◆	▽		◆	◆	◆	◆				◆				
	M不锈钢					▼		◇	◆	◆	◆	▼	◆	◇	◆	◆	◆			◆	◆		◆	◆	
	K铸铁			■	◆	▼		◆	◇	◆	◆			◆	◆			◆	◆						
	N有色金属																								■
	S耐热合金						■		◆	◇		▼	◇				◆				◆	◆	◆	◆	◆
	H高硬度材料						■				◇		◇		◇							◆			

技术参数 Technical parameters	型号 Specification	尺寸 Dimention				刀片牌号 Insert Grade																				
		INSL	W1	IC	RE	FC5425	EC6640	EC4416	EC4420	MC6440	UP3306	FP5225	FP5323	FP5325	FP5324	MP6330	EP4352	EP5225	EP5226	HP5320	HP5325	HP3320	HP3420	HP5324	JP5220	EP4255	FP5355	MP6258	NA10
通用-半精加工 G-Semi-finish Process	LPGT010210ER-GK3	6.26	4.19	-	1.00							●		●	●		●												

RP/RD RP**/RD**刀片 RP**/RD** Insert

适用：■连续加工首选 □连续加工备选 ◆轻断续加工首选 ◇轻断续加工备选 ▼断续加工首选 ▽断续加工备选
Suit: ■Continuous Preferred □Continuous Alternative ◆Light Intermittent Preferred ◇Light Intermittent Alternative ▼Intermittent Preferred ▽Intermittent Alternative

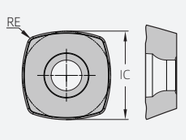
图示 Fig	工件材料 Work Piece	FC5425	EC6640	EC4416	EC4420	MC6440	UP3306	FP5225	FP5323	FP5325	FP5324	MP6330	EP4352	EP5225	EP5226	HP5320	HP5325	HP3320	HP3420	HP5324	JP5220	EP4255	FP5355	MP6258	NA10
	P钢	◆	▼			▼		◆	◆	◆	◆	▽		◆	◆	◆	◆				◆				
	M不锈钢					▼		◇	◆	◆	◆	▼	◆	◇	◆	◆	◆			◆	◆		◆	◆	
	K铸铁			■	◆	▼		◆	◇	◆	◆			◆	◆			◆	◆						
	N有色金属																								■
	S耐热合金						■		◆	◇		▼	◇				◆				◆	◆	◆	◆	◆
	H高硬度材料						■				◇		◇		◇							◆			

技术参数 Technical parameters	型号 Specification	尺寸 Dimention				刀片牌号 Insert Grade																				
		INSL	W1	IC	RE	FC5425	EC6640	EC4416	EC4420	MC6440	UP3306	FP5225	FP5323	FP5325	FP5324	MP6330	EP4352	EP5225	EP5226	HP5320	HP5325	HP3320	HP3420	HP5324	JP5220	EP4255	FP5355	MP6258	NA10
通用-粗加工 G-Rough Process	RPMW1003-GZ4	-	-	10.00	-						●	▲			▲														
通用-半精加工 G-Semi-finish Process	RPMT10T3-GQ3	-	-	10.00	-						●	▲	●	●	▲		●									●			
	RPMT1204-GQ3	-	-	12.00	-							▲	●	●	▲														
耐热合金，不锈钢粗加工 S/M-Rough Process	RPHX10T3-SQ3	-	-	10.00	-											●	●									●			
	RPMT1204-SQ3	-	-	12.00	-							●		●		●	●											▲	
通用-粗加工 G-Rough Process	RDKT1204-GZ4	-	-	12.00	-							●		●	●		●												
	RDKT1605-GZ4	-	-	16.00	-							●			●														

库存：▲主推牌号 ●可选牌号 ○按订单生产
Stock: ▲Excellent(Instock) ●Good(Instock) ○On Request

SD SDMT刀片 SDMT Insert

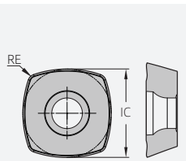
适用：■连续加工首选 □连续加工备选 ◆轻断续加工首选 ◇轻断续加工备选 ▼断续加工首选 ▽断续加工备选
Suit: ■Continuous Preferred □Continuous Alternative ◆Light Intermittent Preferred ◇Light Intermittent Alternative ▼Intermittent Preferred ▽Intermittent Alternative

图示 Fig	工件材料 Work Piece	FC5425	EC6640	EC4416	EC4420	MC6440	UP3306	FP5225	FP5323	FP5325	FP5324	MP6330	EP4352	EP5225	EP5226	HP5320	HP5325	HP3320	HP3420	HP5324	JP5220	EP4255	FP5355	MP6258	NA10
	P钢	◆	▼			▼		◆	◆	◆	◆	▽		◆	◆	◆	◆				◆				
	M不锈钢					▼		◇	◆	◆	◆	▼	◆	◇	◆	◆	◆			◆	◆		◆	◆	
	K铸铁			■	◆	▼		◆	◇	◆	◆			◆	◆			◆	◆						
	N有色金属																								■
	S耐热合金						■		◆	◇		▼	◇				◆				◆	◆	◆	◆	◆
	H高硬度材料						■				◇		◇		◇							◆			

技术参数 Technical parameters	型号 Specification	尺寸 Dimention				刀片牌号 Insert Grade																				
		INSL	W1	IC	RE	FC5425	EC6640	EC4416	EC4420	MC6440	UP3306	FP5225	FP5323	FP5325	FP5324	MP6330	EP4352	EP5225	EP5226	HP5320	HP5325	HP3320	HP3420	HP5324	JP5220	EP4255	FP5355	MP6258	NA10
通用-粗加工 G-Rough Process	SDMT120512R-GK4	-	-	12.70	1.20							▲		●	▲		●												
	SDMT150512R-GK4	-	-	15.88	1.20							▲		○	▲		●												

SO SOMT刀片 SOMT Insert

适用：■连续加工首选 □连续加工备选 ◆轻断续加工首选 ◇轻断续加工备选 ▼断续加工首选 ▽断续加工备选
Suit: ■Continuous Preferred □Continuous Alternative ◆Light Intermittent Preferred ◇Light Intermittent Alternative ▼Intermittent Preferred ▽Intermittent Alternative

图示 Fig	工件材料 Work Piece	FC5425	EC6640	EC4416	EC4420	MC6440	UP3306	FP5225	FP5323	FP5325	FP5324	MP6330	EP4352	EP5225	EP5226	HP5320	HP5325	HP3320	HP3420	HP5324	JP5220	EP4255	FP5355	MP6258	NA10
	P钢	◆	▼			▼		◆	◆	◆	◆	▽		◆	◆	◆	◆				◆				
	M不锈钢					▼		◇	◆	◆	◆	▼	◆	◇	◆	◆	◆			◆	◆		◆	◆	
	K铸铁			■	◆	▼		◆	◇	◆	◆			◆	◆			◆	◆						
	N有色金属																								■
	S耐热合金						■		◆	◇		▼	◇				◆				◆	◆	◆	◆	◆
	H高硬度材料						■				◇		◇		◇							◆			

技术参数 Technical parameters	型号 Specification	尺寸 Dimention				刀片牌号 Insert Grade																				
		INSL	W1	IC	RE	FC5425	EC6640	EC4416	EC4420	MC6440	UP3306	FP5225	FP5323	FP5325	FP5324	MP6330	EP4352	EP5225	EP5226	HP5320	HP5325	HP3320	HP3420	HP5324	JP5220	EP4255	FP5355	MP6258	NA10
通用-半精加工 G-Semi-finish Process	SOMT100420N-GK3	-	-	10.30	2.00							▲		▲	▲													●	
	SOMT140520N-GK3	-	-	14.13	2.00							▲		▲	▲	●	●											●	

库存：▲主推牌号 ●可选牌号 ○按订单生产
Stock: ▲Excellent(Instock) ●Good(Instock) ○On Request

可转位刀具 Indexable Tool

SD | SDMT刀片 SDMT Insert

适用：■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig	工件材料 Work Piece	FC5425	EC6640	EC4416	EC4420	MC6440	UP3306	FP5225	FP5323	FP5325	FP5324	MP6330	EP4352	EP5225	EP5226	HP5320	HP5325	HP3320	HP3420	HP5324	JP5220	EP4255	FP5355	MP6258	NA10
RE, IC	P钢	◆	▼			▼		◆	◆	◆	◆	▽		◆	◆	◆	◆				◆				
	M不锈钢					▼		◇	◆	◆	◆	▼	◆	◇	◆	◆	◆			◆	◆		◆	◆	
	K铸铁			■	◆	▼		◆	◇	◆	◆			◆	◆			◆	◆						
	N有色金属																								■
	S耐热合金						■		◆	◇		▼	◇				◆			◆	◆	◆	◆	◆	
	H高硬度材料						■				◇		◇		◇							◆			

技术参数 Technical parameters	型号 Specification	尺寸 Dimention				刀片牌号 Insert Grade																			
		INSL	W1	IC	RE	FC5425	EC6640	EC4416	EC4420	MC6440	UP3306	FP5225	FP5323	FP5325	FP5324	MP6330	EP4352	EP5225	EP5226	HP5320	HP5325	HP3320	HP3420	HP5324	JP5220	EP4255	FP5355	MP6258	NA10
耐热合金、不锈钢半精加工 S/M-Semi-finish Process	SDMT09T307R-SK3	-	-	9.00	0.70											●										●			

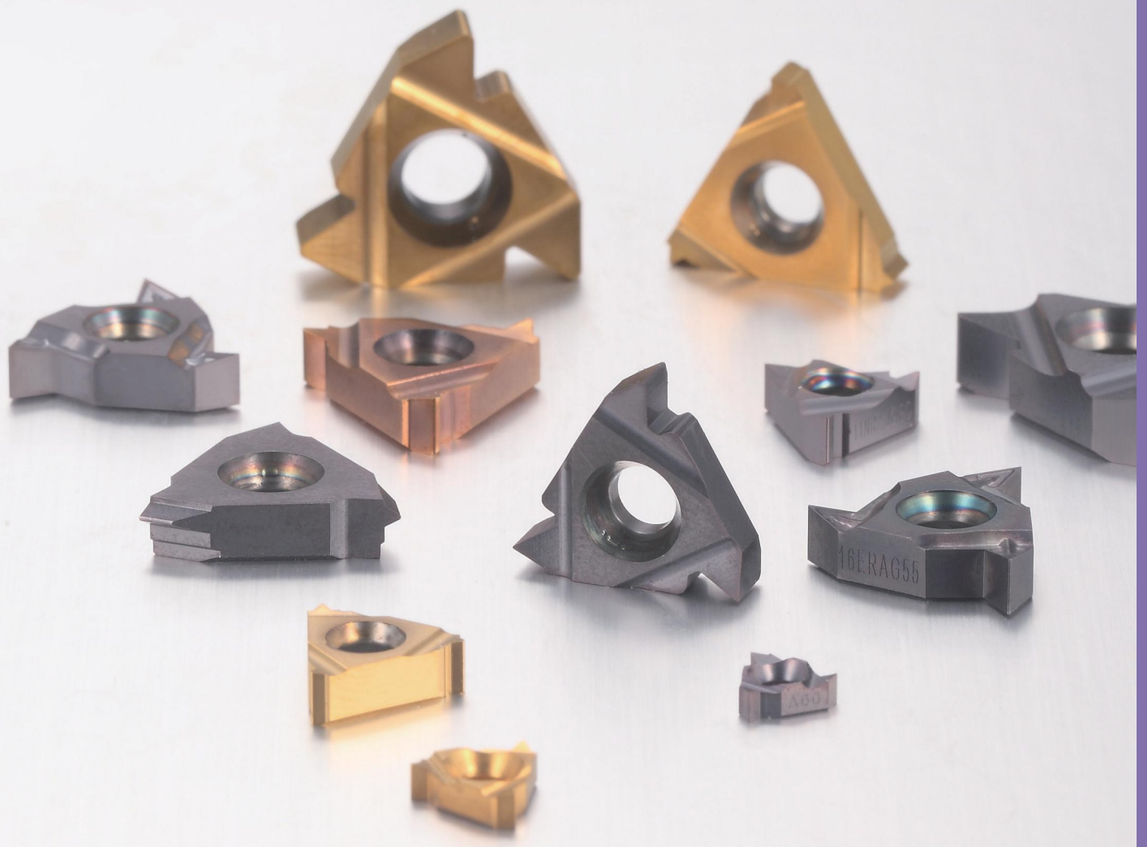
SE | SE**刀片 SE** Insert

适用：■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig	工件材料 Work Piece	FC5425	EC6640	EC4416	EC4420	MC6440	UP3306	FP5225	FP5323	FP5325	FP5324	MP6330	EP4352	EP5225	EP5226	HP5320	HP5325	HP3320	HP3420	HP5324	JP5220	EP4255	FP5355	MP6258	NA10
IC	P钢	◆	▼			▼		◆	◆	◆	◆	▽		◆	◆	◆	◆				◆				
	M不锈钢					▼		◇	◆	◆	◆	▼	◆	◇	◆	◆	◆			◆	◆		◆	◆	
	K铸铁			■	◆	▼		◆	◇	◆	◆			◆	◆			◆	◆						
	N有色金属																								■
	S耐热合金						■		◆	◇		▼	◇				◆			◆	◆	◆	◆	◆	
	H高硬度材料						■				◇		◇		◇							◆			

技术参数 Technical parameters	型号 Specification	尺寸 Dimention				刀片牌号 Insert Grade																			
		INSL	W1	IC	RE	FC5425	EC6640	EC4416	EC4420	MC6440	UP3306	FP5225	FP5323	FP5325	FP5324	MP6330	EP4352	EP5225	EP5226	HP5320	HP5325	HP3320	HP3420	HP5324	JP5220	EP4255	FP5355	MP6258	NA10
通用-半精加工 G-Semi-finish Process	SEMT1204AFTN-GZ3	-	-	12.70	-							●		●	●		●												
铝用-半精加工 N-Semi-finish Process	SEGX1204AFFN-NQ2	-	-	12.70	-																								●

库存：▲ 主推牌号 ● 可选牌号 ○ 按订单生产
Stock: ▲ Excellent(Instock) ● Good(Instock) ○ On Request



DC

THREADING INSERT
螺纹刀片

Nomenclature
命名规则 **DC003-004**

Material Description
材质说明 **DC005-005**

Partial Profile 60° Insert
60°通用型螺纹刀片 **DC007-007**

Partial Profile 55° Insert
55°通用型螺纹刀片 **DC008-008**

ISO Metric Full Profile Insert
ISO标准型螺纹刀片 **DC009-010**

UN-60° American UN Full Profile Insert
UN-60°美制统一标准螺纹刀片 **DC011-012**

W-55° Whitworth Full Profile Insert
W-55°英国惠氏螺纹刀片 **DC013-014**

TR-30°Trapeze Insert
TR-30°标准梯形螺纹刀片 **DC015-015**

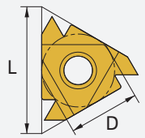
命名规则
Nomenclature

V	27	E	R	3.0	ISO	3	-	G3
1	2	3	4	5	6	7		8

1 刀片形状 Shape

标准型（缺省）Standard	X型 X-Style
	
U型 U-Style	**立装型 V-Style**
	

2 刀片尺寸 Size



L(mm)	D
06	5/32"
08	3/16"
11	1/4"
16	3/8"
22	1/2"
27	5/8"

3 刀片类型 Type

E 外螺纹 External	N 内螺纹 Internal
	

4 螺纹旋向 Direction

R 右旋螺纹 Right Rotation Thread	L 左旋螺纹 Left Rotation Thread

5 螺距 Thread Pitch

完全形 Full Profile		局部面截顶形 Partial Profile		
螺距 mm	牙距 TPI		mm	TPI
0.5-6	48-4	A	0.5-1.5	48-16
		AG	0.5-3.0	48-8
		G	1.75-3.0	14-8
		N	3.5-5.0	7-5
		Q	5.5-6.0	4.5-4
		V	6.0-10	4-2.5

6 螺纹标准 Thread Standard

0°	60°通用型螺纹 Partial profile 60°	ABUT	美制锯齿形螺纹 American Buttress
55°	55°通用型螺纹 Partial profile 55°	BBUT	英制锯齿形螺 British Buttress
ISO	ISO标准型螺纹 ISO Metric	RD	消防食品机械圆螺纹 Round DIN 405
UN	60°美制统一标准型螺纹 UN	RD20400	消防食品机械圆螺纹 Round DIN 20400
UNJ	60°美制航空航天螺纹 UNJ	APIRD	API圆螺纹 API Round
W	55°英国惠氏螺纹 Whitworth	BUT	API偏梯和螺纹 BUT Casing
NPT	60°美国标准锥管螺纹 NPT	Pg	PG
NPTF	60°美制干密封螺纹 NPTF		
BSPT	55°英制标准锥管螺纹 BSPT		
ACME	美制29°梯形螺纹 ACME		
STACME	美制29°短齿梯形螺纹 Stub ACME		
TR	30°标准梯形螺纹 Trapez DIN 103		

7 齿数（梳齿型M） Sparse Toooth

2 3 5 6 8 **缺省** Default

8 断屑槽 Chip Breaker

加工材质基础类别 processing Material Basic category		工艺类别 process category	
P	钢 Steel	1	
M	不锈钢 Stainless Steel	2	精加工 Finish Maching
K	铸铁 Cast Iron	3	
S	耐热合金、钛合金 Heat Resistant Alloy、Titanium Alloy	4	半精加工 Half-finish Maching
N	铝合金、非铁金属 Aluminum Alloy、Non-ferrous Metals	5	
G	通用 General Use	6	粗加工 Rough Maching
缺省 Default	无断屑槽 Chip Breaker	7	重载加工 Heavy Maching
		...	

螺纹刀片 Threading Insert

命名规则 Nomenclature

可转位刀具 Indexable Tool

螺纹刀片 Threading Insert

螺纹刀片材质说明
Thread Insert Material Directions

新牌号 New Type	涂层工艺 Coating Process	涂层成分 Coating Composition	涂层颜色 Coating Color	应用特征 Application Signature
CP5230	PVD	TiN		加工中低碳钢，低转速易切削材料。 Processing medium and low carbon steel, low speed easy cutting materials.
CP5225	**PVD**	**TiALN**		**高韧性亚微粒基体的通用材质。钢件、不锈钢、铸铁的通用加工。** **Universal material for super toughness subparticle matrix. Universalprocessing for steel、stainless steel and cast iron parts.**
CP4324	PVD	TiALSiN		超细晶粒基体，高耐热和高韧性的复合涂层。适合HRC40-55°高硬度材料加工。 Ultrafine grain matrix, with high heat resistance and super toughness composite coating. Suitable for HRC40-55° high hardness material processing.
NA10	-	-	-	亚微细晶粒材质确保刀片耐磨性能和抗微崩性，表面特殊处理，降低积屑瘤，适用于有色金属的连续和轻断续加工 The sub fine grain material ensures the wear resistance and micro collapse resistance of the insert, with special surface treatment to reduce scratch iron deposition. Suitable for continuous and light intermittent processing of non ferrous metals.

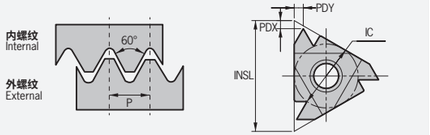
螺纹刀片 Threading Insert

可转位刀具
Indexable Tool

60°通用型螺纹刀片
Partial Profile 60° Insert

适用： ■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig



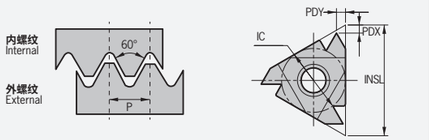
工件材料 Work Piece					
P钢	◆	◆	◆		
M不锈钢	◇	◆	◇		
K铸铁	◆	◇	◆		
N有色金属				■	
S耐热合金					
H高硬度材料		◇	◆		

技术参数 Technical parameters	型号 Specification		内接圆直径 IC	加工螺纹范围 Thread Range		尺寸 Dimension				刀片牌号 Insert Grade			
	右旋螺纹 Right Hand	左旋螺纹 Left Hand		mm	TPI	INSL	PDX	PDY	S	CP5230	CP5225	CP4324	NA10
标准型 Standard	11ERA60	11ELA60	1/4"	0.5-1.5	48.0-16.0	11.00	0.80	0.90	3.20	●	▲	●	●
	16ERA60	16ELA60	3/8"	0.5-1.5	48.0-16.0	16.00	0.80	0.90	3.65	○	○	○	○
	16ERAG60	16ELAG60	3/8"	0.5-3.0	48.0-8.0	16.00	1.20	1.70	3.65	●	▲	●	●
	16ERG60	16ELG60	3/8"	1.75-3.0	14.0-8.0	16.00	1.20	1.70	3.65	○	○	○	○
	22ERN60	22ELN60	1/2"	3.5-5.0	7.0-5.0	22.00	1.70	2.50	4.76	●	▲	●	●
	27ERQ60	27ELQ60	5/8"	5.5-6.0	4.5-4.0	27.00	2.10	3.10	6.35	○	○	○	○

60°通用型螺纹刀片
Partial Profile 60°

适用： ■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig



工件材料 Work Piece					
P钢	◆	◆	◆		
M不锈钢	◇	◆	◇		
K铸铁	◆	◇	◆		
N有色金属				■	
S耐热合金					
H高硬度材料		◇	◆		

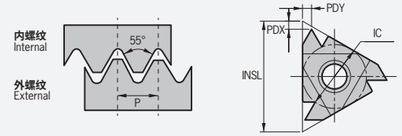
技术参数 Technical parameters	型号 Specification		内接圆直径 IC	加工螺纹范围 Thread Range		尺寸 Dimension				刀片牌号 Insert Grade			
	右旋螺纹 Right Hand	左旋螺纹 Left Hand		mm	TPI	INSL	PDX	PDY	S	CP5230	CP5225	CP4324	NA10
标准型 Standard	06NRA60	06NLA60	5/32"	0.5-1.25	48.0-20.0	6.00	0.60	0.60	1.90	○	○	○	
	08NRA60	08NLA60	3/16"	0.5-1.5	48.0-16.0	8.00	0.60	0.70	2.20	○	○	○	
	11NRA60	11NLA60	1/4"	0.5-1.5	48.0-16.0	11.00	0.80	0.90	3.20	●	▲	●	●
	16NRA60	16NLA60	3/8"	0.5-1.5	48.0-16.0	16.00	0.80	0.90	3.65	●	▲	●	●
	16NRAG60	16NLAG60	3/8"	0.5-3.0	48.0-8.0	16.00	1.20	1.70	3.65	●	▲	●	●
	16NRG60	16NLG60	3/8"	1.75-3.0	14.0-8.0	16.00	1.20	1.70	3.65	●	▲	●	●
	22NRN60	22NLN60	1/2"	3.5-5.0	7.0-5.0	22.00	1.70	2.50	4.76	●	▲	●	●
	27NRQ60	27NLQ60	5/8"	5.5-6.0	4.5-4.0	27.00	2.10	3.10	6.35	○	○	○	○

库存： ▲ 主推牌号 ● 可选牌号 ○ 按订单生产
Stock: ▲ Excellent(Instock) ● Good(Instock) ○ On Request

55°通用型螺纹刀片
Partial Profile 55° Insert

适用： ■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig



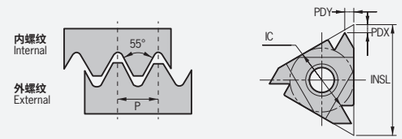
工件材料 Work Piece					
P钢	◆	◆	◆		
M不锈钢	◇	◆	◇		
K铸铁	◆	◇	◆		
N有色金属				■	
S耐热合金					
H高硬度材料		◇	◆		

技术参数 Technical parameters	型号 Specification		内接圆直径 IC	加工螺纹范围 Thread Range		尺寸 Dimension				刀片牌号 Insert Grade			
	右旋螺纹 Right Hand	左旋螺纹 Left Hand		mm	TPI	INSL	PDX	PDY	S	CP5230	CP5225	CP4324	NA10
标准型 Standard	11ERA55	11ELA55	1/4"	0.5-1.5	48.0-16.0	11.00	0.80	0.90	3.20	○	○	○	○
	16ERA55	16ELA55	3/8"	0.5-1.5	48.0-16.0	16.00	0.80	0.90	3.65	○	○	○	○
	16ERAG55	16ELAG55	3/8"	0.5-3.0	48.0-8.0	16.00	1.20	1.70	3.65	○	○	○	○
	16ERG55	16ELG55	3/8"	1.75-3.0	14.0-8.0	16.00	1.20	1.70	3.65	○	○	○	○
	22ERN55	22ELN55	1/2"	3.5-5.0	7.0-5.0	22.00	1.70	2.50	4.76	○	○	○	○
	27ERQ55	27ELQ55	5/8"	5.5-6.0	4.5-4.0	27.00	2.00	2.90	6.35	○	○	○	○

55°通用型螺纹刀片
Partial Profile 55°

适用： ■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig



工件材料 Work Piece					
P钢	◆	◆	◆		
M不锈钢	◇	◆	◇		
K铸铁	◆	◇	◆		
N有色金属				■	
S耐热合金					
H高硬度材料		◇	◆		

技术参数 Technical parameters	型号 Specification		内接圆直径 IC	加工螺纹范围 Thread Range		尺寸 Dimension				刀片牌号 Insert Grade			
	右旋螺纹 Right Hand	左旋螺纹 Left Hand		mm	TPI	INSL	PDX	PDY	S	CP5230	CP5225	CP4324	NA10
标准型 Standard	06NRA55	06NLA55	5/32"	0.5-1.25	48.0-20.0	6.00	0.60	0.60	1.90	○	○	○	○
	08NRA55	08NLA55	3/16"	0.5-1.5	48.0-16.0	8.00	0.60	0.70	2.20	○	○	○	○
	11NRA55	11NLA55	1/4"	0.5-1.5	48.0-16.0	11.00	0.80	0.90	3.20	○	○	○	○
	16NRA55	16NLA55	3/8"	0.5-1.5	48.0-16.0	16.00	0.80	0.90	3.65	○	○	○	○
	16NRAG55	16NLAG55	3/8"	0.5-3.0	48.0-8.0	16.00	1.20	1.70	3.65	○	○	○	○
	16NRG55	16NLG55	3/8"	1.75-3.0	14.0-8.0	16.00	1.20	1.70	3.65	○	○	○	○
	22NRN55	22NLN55	1/2"	3.5-5.0	7.0-5.0	22.00	1.70	2.50	4.76	○	○	○	○
	27NRQ55	27NLQ55	5/8"	5.5-6.0	4.5-4.0	27.00	1.80	2.70	6.35	○	○	○	○

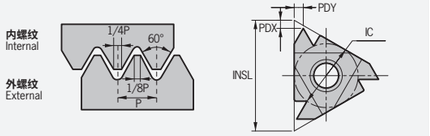
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Stock: ▲ Excellent(Instock) ● Good(Instock) ○ On Request

螺纹刀片 Threading Insert

ISO标准型螺纹刀片
ISO Metric Full Profile Insert

适用： ■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig



工件材料 Work Piece					
P钢	◆	◆	◆	
M不锈钢	◇	◆	◇	
K铸铁	◆	◇	◆	
N有色金属				■
S耐热合金				
H高硬度材料		◇	◆	

技术参数 Technical parameters	型号 Specification		内接圆直径 IC	加工螺纹范围 Thread Range		尺寸 Dimension				刀片牌号 Insert Grade			
	右旋螺纹 Right Hand	左旋螺纹 Left Hand		mm	TPI	INSL	PDX	PDY	S	CP5230	CP5225	CP4324	NA10
标准型 Standard	11ER0.50ISO	11EL0.50ISO	1/4"	0.50	-	11.00	0.60	0.60	3.20	●	▲	●	●
	11ER0.75ISO	11EL0.75ISO	1/4"	0.75	-	11.00	0.60	0.60	3.20	●	▲	●	●
	11ER1.00ISO	11EL1.00ISO	1/4"	1.00	-	11.00	0.70	0.70	3.20	●	▲	●	●
	11ER1.25ISO	11EL1.25ISO	1/4"	1.25	-	11.00	0.80	0.90	3.20	●	▲	●	●
	11ER1.50ISO	11EL1.50ISO	1/4"	1.50	-	11.00	0.80	1.00	3.20	●	▲	●	●
	11ER1.75ISO	11EL1.75ISO	1/4"	1.75	-	11.00	0.80	1.10	3.20	●	▲	●	●
	16ER0.50ISO	16EL0.50ISO	3/8"	0.50	-	16.00	0.60	0.60	3.65	●	▲	●	●
	16ER0.75ISO	16EL0.75ISO	3/8"	0.75	-	16.00	0.60	0.60	3.65	●	▲	●	●
	16ER1.00ISO	16EL1.00ISO	3/8"	1.00	-	16.00	0.70	0.70	3.65	●	▲	●	●
	16ER1.25ISO	16EL1.25ISO	3/8"	1.25	-	16.00	0.80	0.90	3.65	●	▲	●	●
	16ER1.50ISO	16EL1.50ISO	3/8"	1.50	-	16.00	0.80	1.00	3.65	●	▲	●	●
	16ER1.75ISO	16EL1.75ISO	3/8"	1.75	-	16.00	0.90	1.20	3.65	●	▲	●	●
	16ER2.00ISO	16EL2.00ISO	3/8"	2.00	-	16.00	1.00	1.30	3.65	●	▲	●	●
	16ER2.50ISO	16EL2.50ISO	3/8"	2.50	-	16.00	1.10	1.50	3.65	●	▲	●	●
	16ER3.00ISO	16EL3.00ISO	3/8"	3.00	-	16.00	1.20	1.60	3.65	●	▲	●	●
	22ER3.50ISO	22EL3.50ISO	1/2"	3.50	-	22.00	1.60	2.30	4.76	●	▲	●	●
	22ER4.00ISO	22EL4.00ISO	1/2"	4.00	-	22.00	1.60	2.30	4.76	●	▲	●	●
	22ER4.50ISO	22EL4.50ISO	1/2"	4.50	-	22.00	1.70	2.40	4.76	●	▲	●	●
	22ER5.00ISO	22EL5.00ISO	1/2"	5.00	-	22.00	1.70	2.50	4.76	●	▲	●	●
	27ER5.50ISO	27EL5.50ISO	5/8"	5.50	-	27.50	1.90	2.70	6.35	○	○	○	○
	27ER6.00ISO	27EL6.00ISO	5/8"	6.00	-	27.50	2.00	2.90	6.35	○	○	○	○

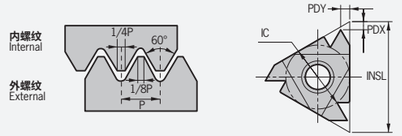
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Stock: ▲ Excellent(Instock) ● Good(Instock) ○ On Request

螺纹刀片 Threading Insert

ISO标准型螺纹刀片
ISO Metric Full Profile Insert

适用： ■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig



工件材料 Work Piece					
P钢	◆	◆	◆	
M不锈钢	◇	◆	◇	
K铸铁	◆	◇	◆	
N有色金属				■
S耐热合金				
H高硬度材料		◇	◆	

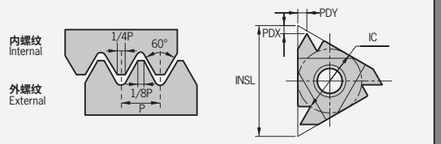
技术参数 Technical parameters	型号 Specification		内接圆直径 IC	加工螺纹范围 Thread Range		尺寸 Dimension				刀片牌号 Insert Grade			
	右旋螺纹 Right Hand	左旋螺纹 Left Hand		mm	TPI	INSL	PDX	PDY	S	CP5230	CP5225	CP4324	NA10
标准型 Standard	06NR0.50ISO	06NL0.50ISO	5/32"	0.50	-	6.00	0.90	0.50	1.90	○	○		
	06NR0.75ISO	06NL0.75ISO	5/32"	0.75	-	6.00	0.80	0.50	1.90	○	○		
	06NR1.00ISO	06NL1.00ISO	5/32"	1.00	-	6.00	0.70	0.60	1.90	○	○		
	06NR1.25ISO	06NL1.25ISO	5/32"	1.25	-	6.00	0.60	0.60	1.90	○	○		
	08NR0.50ISO	08NL0.50ISO	3/16"	0.50	-	8.00	0.60	0.50	2.20	○	○		
	08NR0.75ISO	08NL0.75ISO	3/16"	0.75	-	8.00	0.60	0.50	2.20	○	○		
	08NR1.00ISO	08NL1.00ISO	3/16"	1.00	-	8.00	0.60	0.60	2.20	○	○		
	08NR1.25ISO	08NL1.25ISO	3/16"	1.25	-	8.00	0.60	0.70	2.20	○	○		
	08NR1.50ISO	08NL1.50ISO	3/16"	1.50	-	8.00	0.60	0.70	2.20	○	○		
	08NR1.75ISO	08NL1.75ISO	3/16"	1.75	-	8.00	0.60	0.80	2.20	○	○		
	11NR0.50ISO	11NL0.50ISO	1/4"	0.50	-	11.00	0.60	0.60	3.20	●	▲	●	●
	11NR0.75ISO	11NL0.75ISO	1/4"	0.75	-	11.00	0.60	0.60	3.20	●	▲	●	●
	11NR1.00ISO	11NL1.00ISO	1/4"	1.00	-	11.00	0.60	0.70	3.20	●	▲	●	●
	11NR1.25ISO	11NL1.25ISO	1/4"	1.25	-	11.00	0.80	0.90	3.20	●	▲	●	●
	11NR1.50ISO	11NL1.50ISO	1/4"	1.50	-	11.00	0.80	1.00	3.20	●	▲	●	●
	11NR1.75ISO	11NL1.75ISO	1/4"	1.75	-	11.00	0.90	1.10	3.20	●	▲	●	●
	11NR2.00ISO	11NL2.00ISO	1/4"	2.00		11.00	1.00	1.30	3.20	●	▲	●	●
	16NR0.50ISO	16NL0.50ISO	3/8"	0.50	-	16.00	0.60	0.60	3.65	●	▲	●	●
	16NR0.75ISO	16NL0.75ISO	3/8"	0.75	-	16.00	0.60	0.60	3.65	●	▲	●	●
	16NR1.00ISO	16NL1.00ISO	3/8"	1.00	-	16.00	0.60	0.70	3.65	●	▲	●	●
	16NR1.25ISO	16NL1.25ISO	3/8"	1.25	-	16.00	0.80	0.90	3.65	●	▲	●	●
	16NR1.50ISO	16NL1.50ISO	3/8"	1.50	-	16.00	0.80	1.00	3.65	●	▲	●	●
	16NR1.75ISO	16NL1.75ISO	3/8"	1.75	-	16.00	0.90	1.20	3.65	●	▲	●	●
	16NR2.00ISO	16NL2.00ISO	3/8"	2.00	-	16.00	1.00	1.30	3.65	●	▲	●	●
	16NR2.50ISO	16NL2.50ISO	3/8"	2.50	-	16.00	1.10	1.50	3.65	●	▲	●	●
	16NR3.00ISO	16NL3.00ISO	3/8"	3.00	-	16.00	1.10	1.50	3.65	●	▲	●	●
	22NR3.50ISO	22NL3.50ISO	1/2"	3.50	-	22.00	1.60	2.30	4.76	●	▲	●	●
	22NR4.00ISO	22NL4.00ISO	1/2"	4.00	-	22.00	1.60	2.30	4.76	●	▲	●	●
	22NR4.50ISO	22NL4.50ISO	1/2"	4.50	-	22.00	1.70	2.40	4.76	●	▲	●	●
	22NR5.00ISO	22NL5.00ISO	1/2"	5.00	-	22.00	1.70	2.50	4.76	●	▲	●	●
	27NR5.50ISO	27NL5.50ISO	5/8"	5.50	-	27.50	1.90	2.70	6.35	●	▲	●	●
	27NR6.00ISO	27NL6.00ISO	5/8"	6.00	-	27.50	2.00	2.90	6.35	●	▲	●	●

库存： ▲ 主推牌号 ● 可选牌号 ○ 按订单生产
Stock: ▲ Excellent(Instock) ● Good(Instock) ○ On Request

可转位刀具 Indexable Tool

UN-60°美制统一标准螺纹刀片
UN-60° American UN Full Profile Insert

适用： ■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig	工件材料 Work Piece				
	P钢	◆	◆	◆	
	M不锈钢	◇	◆	◇	
	K铸铁	◆	◇	◆	
	N有色金属				■
	S耐热合金				
	H高硬度材料		◇	◆	

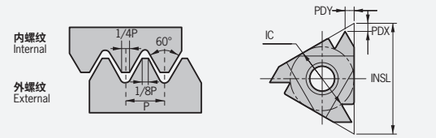
技术参数 Technical parameters	型号 Specification		内接圆直径 IC	加工螺纹范围 Thread Range		尺寸 Dimension				刀片牌号 Insert Grade			
	右旋螺纹 Right Hand	左旋螺纹 Left Hand		mm	TPI	INSL	PDX	PDY	S	CP5230	CP5225	CP4324	NA10
标准型 Standard	16ER32UN	16EL32UN	3/8"	-	32.00	16.00	0.60	0.60	3.65	●	▲	●	○
	16ER28UN	16EL28UN	3/8"	-	28.00	16.00	0.60	0.70	3.65	●	▲	●	○
	16ER24UN	16EL24UN	3/8"	-	24.00	16.00	0.70	0.80	3.65	●	▲	●	○
	16ER20UN	16EL20UN	3/8"	-	20.00	16.00	0.80	0.90	3.65	●	▲	●	○
	16ER18UN	16EL18UN	3/8"	-	18.00	16.00	0.80	1.00	3.65	●	▲	●	○
	16ER16UN	16EL16UN	3/8"	-	16.00	16.00	0.90	1.10	3.65	●	▲	●	○
	16ER14UN	16EL14UN	3/8"	-	14.00	16.00	1.00	1.20	3.65	●	▲	●	○
	16ER13UN	16EL13UN	3/8"	-	13.00	16.00	1.10	1.30	3.65	○	○	○	○
	16ER12UN	16EL12UN	3/8"	-	12.00	16.00	1.10	1.40	3.65	●	▲	●	○
	16ER11UN	16EL11UN	3/8"	-	11.00	16.00	1.10	1.50	3.65	●	▲	●	○
	16ER10UN	16EL10UN	3/8"	-	10.00	16.00	1.10	1.50	3.65	●	▲	●	○
	16ER9UN	16EL9UN	3/8"	-	9.00	16.00	1.20	1.70	3.65	●	▲	●	○
	16ER8UN	16EL8UN	3/8"	-	8.00	16.00	1.20	2.00	3.65	●	▲	●	○
	22ER7UN	22EL7UN	1/2"	-	7.00	22.00	1.60	2.30	4.76	○	○	○	○
	22ER6UN	22EL6UN	1/2"	-	6.00	22.00	1.60	2.30	4.76	○	○	○	○
	22ER5UN	22EL5UN	1/2"	-	5.00	22.00	1.70	2.50	4.76	○	○	○	○

库存： ▲ 主推牌号 ● 可选牌号 ○ 按订单生产
Stock: ▲ Excellent(Instock) ● Good(Instock) ○ On Request

螺纹刀片 Threading Insert

UN-60°美制统一标准螺纹刀片
UN-60° American UN Full Profile Insert

适用： ■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig	工件材料 Work Piece				
	P钢	◆	◆	◆	
	M不锈钢	◇	◆	◇	
	K铸铁	◆	◇	◆	
	N有色金属				■
	S耐热合金				
	H高硬度材料		◇	◆	

技术参数 Technical parameters	型号 Specification		内接圆直径 IC	加工螺纹范围 Thread Range		尺寸 Dimension				刀片牌号 Insert Grade			
	右旋螺纹 Right Hand	左旋螺纹 Left Hand		mm	TPI	INSL	PDX	PDY	S	CP5230	CP5225	CP4324	NA10
标准型 Standard	06NR32UN	06NL32UN	5/32"	-	32.00	6.00	0.80	0.50	1.90	○	○	○	○
	06NR28UN	06NL28UN	5/32"	-	28.00	6.00	0.80	0.60	1.90	○	○	○	○
	06NR24UN	06NL24UN	5/32"	-	24.00	6.00	0.70	0.60	1.90	○	○	○	○
	06NR20UN	06NL20UN	5/32"	-	20.00	6.00	0.60	0.60	1.90	○	○	○	○
	06NR18UN	06NL18UN	5/32"	-	18.00	6.00	0.60	0.70	1.90	○	○	○	○
	08NR32UN	08NL32UN	3/16"	-	32.00	8.00	0.60	0.50	2.20	○	○	○	○
	08NR28UN	08NL28UN	3/16"	-	28.00	8.00	0.60	0.60	2.20	○	○	○	○
	08NR24UN	08NL24UN	3/16"	-	24.00	8.00	0.60	0.60	2.20	○	○	○	○
	08NR20UN	08NL20UN	3/16"	-	20.00	8.00	0.60	0.70	2.20	○	○	○	○
	08NR18UN	08NL18UN	3/16"	-	18.00	8.00	0.60	0.70	2.20	○	○	○	○
	08NR16UN	08NL16UN	3/16"	-	16.00	8.00	0.60	0.70	2.20	○	○	○	○
	08NR14UN	08NL14UN	3/16"	-	14.00	8.00	0.60	0.80	2.20	○	○	○	○
	11NR32UN	11NL32UN	1/4"	-	32.00	11.00	0.60	0.60	3.20	○	○	○	○
	11NR28UN	11NL28UN	1/4"	-	28.00	11.00	0.60	0.70	3.20	○	○	○	○
	11NR24UN	11NL24UN	1/4"	-	24.00	11.00	0.70	0.80	3.20	○	○	○	○
	11NR20UN	11NL20UN	1/4"	-	20.00	11.00	0.80	0.90	3.20	○	○	○	○
	11NR18UN	11NL18UN	1/4"	-	18.00	11.00	0.80	1.00	3.20	○	○	○	○
	11NR16UN	11NL16UN	1/4"	-	16.00	11.00	0.90	1.10	3.20	●	▲	●	○
	16NR32UN	16NL32UN	3/8"	-	32.00	16.00	0.60	0.60	3.65	●	▲	●	○
	16NR28UN	16NL28UN	3/8"	-	28.00	16.00	0.60	0.70	3.65	○	▲	●	○
	16NR24UN	16NL24UN	3/8"	-	24.00	16.00	0.70	0.80	3.65	●	▲	●	○
	16NR20UN	16NL20UN	3/8"	-	20.00	16.00	0.80	0.90	3.65	●	▲	●	○
	16NR18UN	16NL18UN	3/8"	-	18.00	16.00	0.80	1.00	3.65	●	▲	●	○
	16NR16UN	16NL16UN	3/8"	-	16.00	16.00	0.90	1.10	3.65	●	▲	●	○
	16NR14UN	16NL14UN	3/8"	-	14.00	16.00	1.00	1.20	3.65	●	▲	●	○
	16NR13UN	16NL13UN	3/8"	-	13.00	16.00	1.10	1.30	3.65	○	○	●	○
	16NR12UN	16NL12UN	3/8"	-	12.00	16.00	1.10	1.40	3.65	●	▲	●	○
	16NR11UN	16NL11UN	3/8"	-	11.00	16.00	1.10	1.50	3.65	●	▲	●	○
	16NR10UN	16NL10UN	3/8"	-	10.00	16.00	1.10	1.50	3.65	●	▲	●	○
	16NR9UN	16NL9UN	3/8"	-	9.00	16.00	1.20	1.70	3.65	●	▲	●	○
	16NR8UN	16NL8UN	3/8"	-	8.00	16.00	1.20	2.00	3.65	●	▲	●	○
	22NR7UN	22NL7UN	1/2"	-	7.00	22.00	1.60	2.30	4.76	○	▲	●	○
	22NR6UN	22NL6UN	1/2"	-	6.00	22.00	1.60	2.30	4.76	○	▲	●	○
	22NR5UN	22NL5UN	1/2"	-	5.00	22.00	1.70	2.50	4.76	○	○	●	○

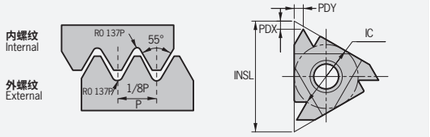
库存： ▲ 主推牌号 ● 可选牌号 ○ 按订单生产
Stock: ▲ Excellent(Instock) ● Good(Instock) ○ On Request

可转位刀具 Indexable Tool

螺纹刀片 Threading Insert

W-55°英国惠氏螺纹刀片
W-55° Whitworth Full Profile Insert

适用： ■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig		工件材料 Work Piece					
		P钢	◆	◆	◆	
		M不锈钢	◇	◆	◇	
		K铸铁	◆	◇	◆	
		N有色金属				■
		S耐热合金				
		H高硬度材料		◇	◆	

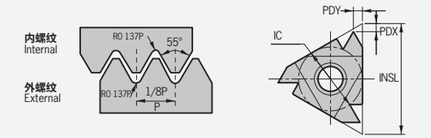
技术参数 Technical parameters	型号 Specification		内接圆直径 IC	加工螺纹范围 Thread Range		尺寸 Dimension				刀片牌号 Insert Grade			
	右旋螺纹 Right Hand	左旋螺纹 Left Hand		mm	TPI	INSL	PDX	PDY	S	CP5230	CP5225	CP4324	NA10
标准型 Standard	11ER28W	11EL28W	1/4"	-	28.00	11.00	0.60	0.70	3.20	○	○	○	○
	11ER26W	11EL26W	1/4"	-	26.00	11.00	0.70	0.80	3.20	○	○	○	○
	11ER20W	11EL20W	1/4"	-	20.00	11.00	0.80	0.90	3.20	○	○	○	○
	11ER19W	11EL19W	1/4"	-	19.00	11.00	0.80	1.00	3.20	○	○	○	○
	11ER18W	11EL18W	1/4"	-	18.00	11.00	0.80	1.00	3.20	○	○	○	○
	11ER16W	11EL16W	1/4"	-	16.00	11.00	0.90	1.10	3.20	○	○	○	○
	11ER14W	11EL14W	1/4"	-	14.00	11.00	1.00	1.20	3.20	○	○	○	○
	16ER28W	16EL28W	3/8"	-	28.00	16.00	0.60	0.70	3.65	●	○	●	●
	16ER26W	16EL26W	3/8"	-	26.00	16.00	0.70	0.80	3.65	○	○	○	○
	16ER20W	16EL20W	3/8"	-	20.00	16.00	0.80	0.90	3.65	○	○	○	○
	16ER19W	16EL19W	3/8"	-	19.00	16.00	0.80	1.00	3.65	●	▲	●	●
	16ER18W	16EL18W	3/8"	-	18.00	16.00	0.80	0.90	3.65	○	○	○	○
	16ER16W	16EL16W	3/8"	-	16.00	16.00	0.90	1.10	3.65	○	○	○	○
	16ER14W	16EL14W	3/8"	-	14.00	16.00	1.00	1.20	3.65	●	▲	●	●
	16ER12W	16EL12W	3/8"	-	12.00	16.00	1.10	1.40	3.65	○	▲	●	●
	16ER11W	16EL11W	3/8"	-	11.00	16.00	1.10	1.50	3.65	●	▲	●	●
	16ER10W	16EL10W	3/8"	-	10.00	16.00	1.10	1.50	3.65	○	○	○	○
	16ER9W	16EL9W	3/8"	-	9.00	16.00	1.20	1.50	3.65	○	○	○	○
	16ER8W	16EL8W	3/8"	-	8.00	16.00	1.20	1.70	3.65	○	○	○	○
	22ER7W	22EL7W	1/2"	-	7.00	22.00	1.60	2.30	4.76	○	○	○	○
	22ER6W	22EL6W	1/2"	-	6.00	22.00	1.60	2.30	4.76	○	○	○	○
	22ER5W	22EL5W	1/2"	-	5.00	22.00	1.70	2.40	4.76	○	○	○	○
	27ER4.5W	27EL4.5W	5/8"	-	4.50	27.00	1.80	2.60	6.35	○	○	○	○
	27ER4W	27EL4W	5/8"	-	4.00	27.00	2.00	2.90	6.35	○	○	○	○

库存： ▲ 主推牌号 ● 可选牌号 ○ 按订单生产
Stock: ▲ Excellent(Instock) ● Good(Instock) ○ On Request

螺纹刀片 Threading Insert

W-55°英国惠氏螺纹刀片
W-55° Whitworth Full Profile Insert

适用： ■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig		工件材料 Work Piece					
		P钢	◆	◆	◆	
		M不锈钢	◇	◆	◇	
		K铸铁	◆	◇	◆	
		N有色金属				■
		S耐热合金				
		H高硬度材料		◇	◆	

技术参数 Technical parameters	型号 Specification		内接圆直径 IC	加工螺纹范围 Thread Range		尺寸 Dimension				刀片牌号 Insert Grade			
	右旋螺纹 Right Hand	左旋螺纹 Left Hand		mm	TPI	INSL	PDX	PDY	S	CP5230	CP5225	CP4324	NA10
标准型 Standard	06NR26W	06NL26W	5/32"	-	26.00	6.00	0.70	0.60	1.90	○	○	○	○
	06NR22W	06NL22W	5/32"	-	22.00	6.00	0.60	0.60	1.90	○	○	○	○
	06NR20W	06NL20W	5/32"	-	20.00	6.00	0.60	0.70	1.90	○	○	○	○
	06NR18W	06NL18W	5/32"	-	18.00	6.00	0.60	0.70	1.90	○	○	○	○
	08NR28W	08NL28W	3/16"	-	28.00	8.00	0.60	0.60	2.20	○	○	○	○
	08NR24W	08NL24W	3/16"	-	24.00	8.00	0.60	0.60	2.20	○	○	○	○
	08NR20W	08NL20W	3/16"	-	20.00	8.00	0.60	0.70	2.20	○	○	○	○
	08NR19W	08NL19W	3/16"	-	19.00	8.00	0.60	0.70	2.20	○	○	○	○
	08NR18W	08NL18W	3/16"	-	18.00	8.00	0.60	0.70	2.20	○	○	○	○
	08NR16W	08NL16W	3/16"	-	16.00	8.00	0.60	0.70	2.20	○	○	○	○
	11NR28W	11NL28W	1/4"	-	28.00	11.00	0.60	0.60	3.20	○	○	○	○
	11NR26W	11NL26W	1/4"	-	26.00	11.00	0.60	0.70	3.20	○	○	○	○
	11NR20W	11NL20W	1/4"	-	20.00	11.00	0.70	0.90	3.20	○	○	○	○
	11NR19W	11NL19W	1/4"	-	19.00	11.00	0.80	1.00	3.20	●	▲	●	●
	11NR18W	11NL18W	1/4"	-	18.00	11.00	0.80	1.00	3.20	○	○	○	○
	11NR16W	11NL16W	1/4"	-	16.00	11.00	0.90	1.10	3.20	○	○	○	○
	11NR14W	11NL14W	1/4"	-	14.00	11.00	1.00	1.20	3.20	●	▲	●	●
	16NR28W	16NL28W	3/8"	-	28.00	16.00	0.60	0.70	3.65	●	○	●	●
	16NR26W	16NL26W	3/8"	-	26.00	16.00	0.70	0.80	3.65	○	○	○	○
	16NR20W	16NL20W	3/8"	-	20.00	16.00	0.80	0.90	3.65	○	○	○	○
	16NR19W	16NL19W	3/8"	-	19.00	16.00	0.80	1.00	3.65	●	▲	●	●
	16NR18W	16NL18W	3/8"	-	18.00	16.00	0.80	1.00	3.65	○	○	○	○
	16NR16W	16NL16W	3/8"	-	16.00	16.00	0.90	1.10	3.65	○	○	○	○
	16NR14W	16NL14W	3/8"	-	14.00	16.00	1.00	1.20	3.65	●	▲	●	●
	16NR12W	16NL12W	3/8"	-	12.00	16.00	1.10	1.40	3.65	●	▲	●	●
	16NR11W	16NL11W	3/8"	-	11.00	16.00	1.10	1.50	3.65	●	▲	●	●
	16NR10W	16NL10W	3/8"	-	10.00	16.00	1.10	1.50	3.65	○	○	○	○
	16NR9W	16NL9W	3/8"	-	9.00	16.00	1.20	1.50	3.65	○	○	○	○
	16NR8W	16NL8W	3/8"	-	8.00	16.00	1.20	1.70	3.65	○	○	○	○
	22NR7W	22NL7W	1/2"	-	7.00	22.00	1.60	2.30	4.76	○	○	○	○
	22NR6W	22NL6W	1/2"	-	6.00	22.00	1.60	2.30	4.76	○	○	○	○
	22NR5W	22NL5W	1/2"	-	5.00	22.00	1.70	2.40	4.76	○	○	○	○
	27NR4.5W	27NL4.5W	5/8"	-	4.50	27.00	1.80	2.60	6.35	○	○	○	○
	27NR4W	27NL4W	5/8"	-	4.00	27.00	2.00	2.90	6.35	○	○	○	○

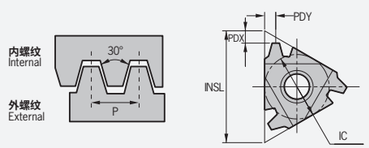
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Stock: ▲ Excellent(Instock) ● Good(Instock) ○ On Request

可转位刀具 Indexable Tool

TR-30°标准梯形螺纹刀片
R-30° Trapezoid Threading Insert

适用：■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig



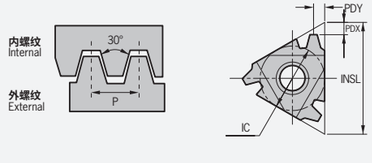
工件材料 Work Piece				
P钢	◆	◆	◆	
M不锈钢	◇	◆	◇	
K铸铁	◆	◇	◆	
N有色金属				■
S耐热合金				
H高硬度材料		◇	◆	

技术参数 Technical parameters	型号 Specification		内接圆直径 IC	加工螺纹范围 Thread Range		尺寸 Dimension				刀片牌号 Insert Grade			
	右旋螺纹 Right Hand	左旋螺纹 Left Hand		mm	TPI	INSL	PDX	PDY	S	CP5230	CP5225	CP4324	NA10
标准型 Standard	16ER1.50TR	16EL1.50TR	3/8"	1.50	-	16.00	1.00	1.10	3.65	●	▲	●	○
	16ER2.00TR	16EL2.00TR	3/8"	2.00	-	16.00	1.10	1.30	3.65	●	▲	●	○
	16ER3.00TR	16EL3.00TR	3/8"	3.00	-	16.00	1.30	1.50	3.65	●	▲	●	○
	22ER4.00TR	22EL4.00TR	1/2"	4.00	-	22.00	1.70	1.90	4.76	●	▲	●	○
	22ER5.00TR	22EL5.00TR	1/2"	5.00	-	22.00	2.10	2.50	4.76	●	▲	●	○
	27ER6.00TR	27EL6.00TR	5/8"	6.00	-	27.00	2.20	2.60	6.35	○	○	○	○
	27ER7.00TR	27EL7.00TR	5/8"	7.00	-	27.00	2.30	2.70	6.35	○	○	○	○

TR-30°标准梯形螺纹刀片
R-30° Trapezoid Threading Insert

适用：■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

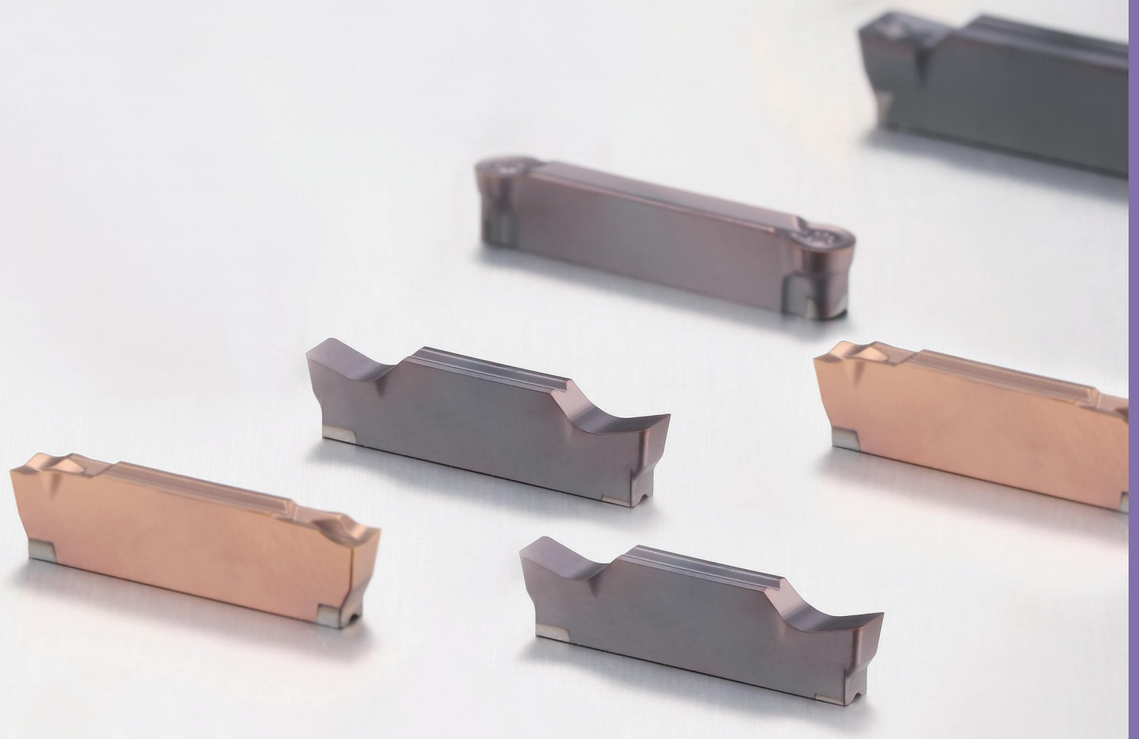
图示 Fig



工件材料 Work Piece				
P钢	◆	◆	◆	
M不锈钢	◇	◆	◇	
K铸铁	◆	◇	◆	
N有色金属				■
S耐热合金				
H高硬度材料		◇	◆	

技术参数 Technical parameters	型号 Specification		内接圆直径 IC	加工螺纹范围 Thread Range		尺寸 Dimension				刀片牌号 Insert Grade			
	右旋螺纹 Right Hand	左旋螺纹 Left Hand		mm	TPI	INSL	PDX	PDY	S	CP5230	CP5225	CP4324	NA10
标准型 Standard	16NR1.50TR	16NL1.50TR	3/8"	1.50	-	16.00	1.00	1.10	3.65	●	▲	●	○
	16NR2.00TR	16NL2.00TR	3/8"	2.00	-	16.00	1.10	1.30	3.65	●	▲	●	○
	16NR3.00TR	16NL3.00TR	3/8"	3.00	-	16.00	1.30	1.50	3.65	●	▲	●	○
	22NR4.00TR	22NL4.00TR	1/2"	4.00	-	22.00	1.70	1.90	4.76	●	▲	●	○
	22NR5.00TR	22NL5.00TR	1/2"	5.00	-	22.00	2.10	2.50	4.76	●	▲	●	○
	27NR6.00TR	27NL6.00TR	5/8"	6.00	-	27.00	2.20	2.60	6.35	○	○	○	○
	27NR7.00TR	27NL7.00TR	5/8"	7.00	-	27.00	2.30	2.70	6.35	○	○	○	○

库存：▲ 主推牌号 ● 可选牌号 ○ 按订单生产
Stock: ▲ Excellent(Instock) ● Good(Instock) ○ On Request



DD

GROOVING INSERT
切槽切断刀片

Nomenclature
命名规则 **DD003-003**

Material Description
材质说明 **DD004-004**

MGMN Insert
MGMN 刀片 **DD005-006**

切槽切断刀片 Grooving Insert

命名规则 Nomenclature

MG	M	N	300	-	04	-	GQ3
1	2	3	4		5		6

1 系列号 Series Type

2 公差 Tolerance (mm)

		ΦIC	m	S
T	A	±0.025	±0.005	±0.025
	C	±0.013	±0.005	±0.025
	E	±0.025	±0.013	±0.025
CS	F	±0.013	±0.013	±0.025
	G	±0.025	±0.025	±0.025
	H	±0.025	±0.025	±0.13
DV	J[1]	±0.05-±0.13	±0.005	±0.025
	K[1]	±0.05-±0.13	±0.013	±0.025
	L[1]	±0.05-±0.13	±0.025	±0.025
	M	±0.05-±0.13	±0.08-±0.18	±0.13
S	N	±0.05-±0.13	±0.08-±0.18	±0.025
	U	±0.08-±0.25	±0.13-±0.38	±0.13

3 切削方向 Direction Of Cutting

R	右手 Right Hand
L	左手Left Hand
N	左右手通用 Both
I	内圆 Inner Circle

4 刀片槽宽 Width Of Insert Groove

代号 Code	槽宽 Groove Width（mm）
150	1.5
200	2.0
250	2.5
300	3.0
350	3.5
...	...

5 刀尖圆角 Radius



01	r=0.1
02	r=0.2
04	r=0.4
08	r=0.8
12	r=1.2
16	r=1.6
20	r=2.0
24	r=2.4
32	r=3.2
XX	r=其他Other
缺省Default	无标记No mark

备注： 圆刀片用M0
Note: Round inserts are represented by "mo".

6 断屑槽 Chip Breakere

加工材质基础类别 Processing Material Basic Category		结构特征 Structural Characteristics		工艺类别 Process Category	
P	钢 Steel	Q		1	
M	不锈钢 Stainless Steel	C		2	精加工 Finish Maching
K	铸铁 Cast Iron	S		3	
S	耐热合金、钛合金 Heat Resistant Alloy、Titanium Alloy	R		4	半精加工 Half-finish Maching
N	铝合金、非铁金属 Aluminum Alloy、Non-ferrous Metals	Y		5	
G	通用 General Use	Z		6	粗加工 Rough Maching
		B		7	重载加工 Heavy Maching
		D		...	

切槽切断刀片 Grooving Insert

切槽刀片材质说明 Grooving Insert Material Directions

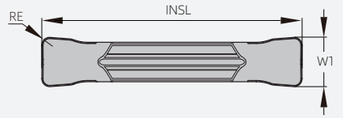
新牌号 New Type	涂层工艺 Coating Process	涂层成分 Coating Composition	涂层颜色 Coating Color	应用特征 Application Signature
FP5225	**PVD**	**Nano-AlTiSiN**		**后处理工艺基于EP5125/QP5125优化，硬度与强韧性兼顾的基体，含铝量更高的涂层。 适合铸铁、钢、不锈钢的通用加工，高加工安全性。 The post-treatment process is optimized based on EP5125/QP5125, a matrix with both high hardness and toughness and a coating with increased aluminum content. It is suitable for the general processing of cast iron, steel, and stainless steel, ensuring high processing safety.**
FP5325	PVD	Nano-AlTiSiN		超细晶粒基体，耐磨损性、抗氧化性能良好的梯度涂层。 实现钢不锈钢的稳定、长寿命车削、铣削加工。钛合金加工补充牌号。 Ultrafine grain matrix, gradient coating with good wear resistance and oxidation resistance. Achieve stable and long life machining of steel and stainless steel in turning and milling process. It is a supplementary brand for titanium alloy processing.
FP5324	**PVD**	**Nano-AlTiSiN**		**涂层及后处理工艺基于QP5225/FP5224优化，超细晶粒基体，新升级的高耐热和高韧性的梯度涂层。适合铸铁、钢、不锈钢通用铣削加工，更优异的耐磨性，适合不锈钢车削加工，钢件、铸铁车削补充牌号。 The coating and post-treatment process is optimized based on QP5225/FP5224, an ultra-fine grain matrix featuring a newly upgraded gradient coating with exceptional heat resistance and toughness. It is suitable for general milling processing of cast iron, steel, and stainless steel, offering improved wear resistance. Additionally, it is well-suited for the turning processing of stainless steel and a supplementary grade for turning steel and cast iron.**
EC4415	CVD	TiCN+Al2O3+TiN		极其耐磨的材质，是EC4416的升级款，厚膜CVD多层涂层。 连续或轻断续车削灰铸铁和球墨铸铁。 Extremely wear-resistant material, thick film CVD multilayer coating. Suitable for continuous or light intermittent turning of gray cast iron and ball milled cast iron.
FC5425	CVD	TiCN+Al2O3+TiN		兼具耐磨和抗崩刃性的基体，厚膜CVD多层涂层，结合力优良。 钢件轻断续-断续加工，通用钢用车削加工的首选。 A matrix with both wear resistance and chipping resistance, as well as a thick film CVD multilayer coating, providing excellent adhesion. Suitable for light intermittent - intermittent machining of steel parts, it is the first choice for general turning processing.
NA10	-	-	-	亚微细晶粒材质确保刀片耐磨性能和抗微崩性，表面特殊处理，降低积屑瘤，适用于有色金属的连续和轻断续加工 The sub fine grain material ensures the wear resistance and micro collapse resistance of the insert, with special surface treatment to reduce scratch iron deposition. Suitable for continuous and light intermittent processing of non ferrous metals.

切槽切断刀片 Grooving Insert

MG*N刀片
MG*N Insert

适用：■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig



工件材料 Work Piece	P钢	M不锈钢	K铸铁	N有色金属	S耐热合金	H高硬度材料
P钢	◆		◆	◆	◆	
M不锈钢			◆	◇	◆	
K铸铁		■	◆	◆	◆	
N有色金属						■
S耐热合金					◇	
H高硬度材料			◇			

技术参数 Technical parameters	型号 Specification	尺寸 Dimention			刀片牌号 Insert Grade					
		W1	INSL	RE	FC5425	EC4415	FP5324	FP5225	FP5325	NA10
通用切槽 General grooving	MGMN150-015-GC3	1.50	16.00	0.15			●			
	MGMN200-02-GC3	2.00	16.00	0.20			●			
	MGMN250-04-GC3	2.50	18.35	0.40			●			
	MGMN300-04-GC3	3.00	21.00	0.40			●			
通用车削+切槽 General Turning+ Grooving	MGMN200-02-GQ4	2.00	16.00	0.20	●		●	●		
	MGMN250-02-GQ4	2.50	18.50	0.20			●	●		
	MGMN300-04-GQ4	3.00	21.00	0.40	●	●	●	●		
	MGMN400-04-GQ4	4.00	21.00	0.40	●	●	●	●		
	MGMN500-08-GQ4	5.00	26.00	0.80	●	●	●	●		
通用低进给切槽 General Low Feed Grooving	MGMN150-02-GC2	1.50	16.00	0.20				●		
	MGMN200-02-GC2	2.00	16.00	0.20				●		
	MGMN250-02-GC2	2.50	18.50	0.20				●		
	MGMN300-02-GC2	3.00	21.00	0.20				●		
	MGMN400-03-GC2	4.00	21.00	0.30				●		
	MGMN500-03-GC2	5.00	26.00	0.30				●		
通用高进给切槽 General High Feed Grooving	MGMN150-02-GC4	1.50	16.00	0.20				●		
	MGMN200-02-GC4	2.00	16.00	0.20				●		
	MGMN250-02-GC4	2.50	18.50	0.20				●		
	MGMN300-04-GC4	3.00	21.00	0.40				●		
	MGMN400-04-GC4	4.00	21.00	0.40				●		
	MGMN500-04-GC4	5.00	26.00	0.40				●		
通用车削+切槽 General Turning+ Grooving	MGMN150-02-GQ3	1.50	16.00	0.20			●	●		
	MGMN200-02-GQ3	2.00	16.00	0.20			●	●		
	MGMN250-02-GQ3	2.50	18.50	0.20			●	●		
	MGMN300-04-GQ3	3.00	21.00	0.40			●	●		
	MGMN400-04-GQ3	4.00	21.00	0.40			●	●		
	MGMN500-08-GQ3	5.00	26.00	0.80			●	●		
铝用切槽 Aluminum Grooving	MGGN150-01-NS1	1.50	16.00	0.10						●
	MGGN200-02-NS1	2.00	16.00	0.20						●
	MGGN250-02-NS1	2.50	18.50	0.20						●
	MGGN300-04-NS1	3.00	21.00	0.40						●
	MGGN400-04-NS1	4.00	21.00	0.40						●
	MGGN500-08-NS1	5.00	26.00	0.80						●
	MGGN600-08-NS1	6.00	26.00	0.80						●

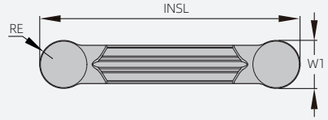
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切槽切断刀片 Grooving Insert

MGMN***-GR3刀片
MGMN***-GR3 Insert

适用：■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig



工件材料 Work Piece	P钢	M不锈钢	K铸铁	N有色金属	S耐热合金	H高硬度材料
P钢	◆		◆	◆	◆	
M不锈钢			◆	◇	◆	
K铸铁		■	◆	◆	◆	
N有色金属						■
S耐热合金					◇	
H高硬度材料			◇			

技术参数 Technical parameters	型号 Specification	尺寸 Dimention			刀片牌号 Insert Grade					
		W1	INSL	RE	FC5425	EC4415	FP5324	FP5225	FP5325	NA10
仿形切槽 Profile Grooving	MGMN200-10-GR3	2.00	16.00	1.00			●	●	●	
	MGMN300-15-GR3	3.00	21.00	1.50			●	●	●	
	MGMN400-20-GR3	4.00	21.00	2.00			●	●	●	

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Stock: ▲ Excellent(Instock) ● Good(Instock) ○ On Request

可转位刀具 Indexable Tool



DE

DRILLING INSERT
钻削刀片

Nomenclature
命名规则 **DE003-004**

Material Description
材质说明 **DE005-005**

SCGX/SPGX Insert
SCGX/SPGX刀片 **DE007-008**

SPMT Insert
SPMT刀片 **DE008-008**

SOMT Insert
SOMT刀片 **DE009-009**

WCMX Insert
WCMX刀片 **DE010-010**

钻削刀片 Drilling Insert

命名规则
Nomenclature

W	C	M	X	08	04	12	-	GQ3
1	2	3	4	5	6	7		8

1 刀片形状 Shape

S			
W			

2 后角 Clearance Angle

A	 3°	F	 25°
B	 5°	G	 30°
C	 7°	N	 0°
D	 15°	P	 11°
E	 20°	X	特殊角度

3 公差 Tolerance(mm)

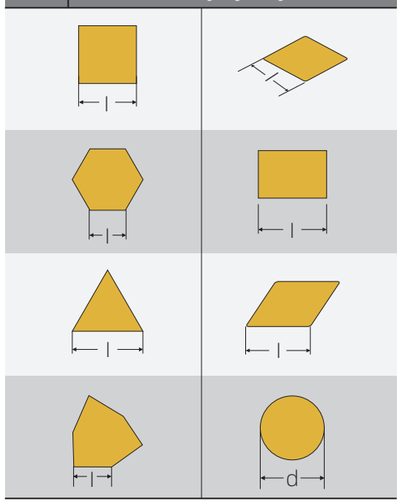
		ΦIC	m	S
	A	±0.025	±0.005	±0.025
	C	±0.025	±0.013	±0.025
	E	±0.025	±0.025	±0.025
	F	±0.013	±0.005	±0.025
	G	±0.025	±0.025	±0.130
	H	±0.013	±0.013	±0.025
	J*	±0.05-0.15[2]	±0.005	±0.025
	K*	±0.05-0.15[2]	±0.013	±0.025
	L*	±0.05-0.15[2]	±0.025	±0.025
	M*	±0.05-0.15[2]	±0.08-0.20[2]	±0.130
	N*	±0.05-0.15[2]	±0.05-0.20[2]	±0.025
	U*	±0.08-0.25[2]	±0.13-0.38[2]	±0.130

备注：*表示侧面不研磨　Note：*Indicates side is not ground.

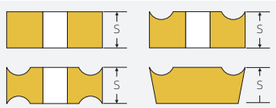
4 切削及加紧特徵 Holding Type

A		J	 β=70-90°	T	 β=40-60°
B	 β=70-90°	M		U	 β=40-60°
C	 β=70-90°	N		W	 β=40-60°
F		Q	 β=40-60°	X	非标Special 必须提供图纸和精确说明 Drawings and precise instructions must be provided.
G		R			
H	 β=70-90°				

5 刀刃长度 Cutting Edge Length



6 刀片厚度 Thickness



00	s=0.79	04	s=4.76
T0	s=0.99	T4	s=4.96
01	s=1.59	05	s=5.56
T1	s=1.98	T5	s=5.95
02	s=2.38	T6	s=6.75
T2	s=2.78	07	s=7.94
03	s=3.18	09	s=9.52
T3	s=3.97		

7 刀尖圆角 Radius



01	r=0.1
02	r=0.2
04	r=0.4
08	r=0.8
12	r=1.2
16	r=1.6
20	r=2.0
24	r=2.4
32	r=3.2

8 断屑槽 Chip Breakere

加工材质基础类别 Processing Material Basic Category		结构特征 Structural Characteristics		工艺类别 Process Category	
P	钢 Steel	Q		1	
M	不锈钢 Stainless Steel	Z		2	精加工 Finish Maching
K	铸铁 Cast Iron			3	
S	耐热合金、钛合金 Heat Resistant Alloy、Titanium Alloy			4	半精加工 Half-finish Maching
N	铝合金、非铁金属 Aluminum Alloy、Non-ferrous Metals			5	
G	通用 General Use			6	粗加工 Rough Maching
				7	重载加工 Heavy Maching
				...	

钻削刀片材质说明
Drilling Insert Material Directions

新牌号 New Type	涂层工艺 Coating Process	涂层成分 Coating Composition	涂层颜色 Coating Color	应用特征 Application Signature
FP5225	**PVD**	**AlTiN**		**后处理工艺基于EP5125/QP5125优化，硬度与强韧性兼顾的基体，含铝量更高的涂层。 适合铸铁、钢、不锈钢的通用加工，高加工安全性。 The post-treatment process is optimized based on EP5125/QP5125, a matrix with both high hardness and toughness and a coating with increased aluminum content. It is suitable for the general processing of cast iron, steel, and stainless steel, ensuring high processing safety.**
SP5225	PVD	AlTiN		硬度与强韧性兼顾的基体，含铝量更高的涂层。钻削刀片材质。 适合铸铁、钢、不锈钢的通用加工，高加工安全性。 The matrix has successfully combined with high hardness and super toughness, the insert with rich aluminum content coating. Suitable for the general processing of cast iron、steel and stainless steel, with high processing reliability.
FP5224	**PVD**	**TiAlSiN**		**后处理工艺及涂层基于QP5225优化，超细晶粒基体，高耐热和高韧性的复合涂层。 适合铸铁、钢、不锈钢通用铣削加工，更优异的耐磨性，适合不锈钢车削加工，钢件、铸铁车削补充牌号。 The coating and post-treatment process is optimized based on QP5225, an ultra-fine grain matrix featuring a newly upgraded gradient coating with exceptional heat resistance and toughness. It is suitable for general milling processing of cast iron, steel, and stainless steel, offering improved wear resistance. Additionally, it is well-suited for the turning processing of stainless steel and a supplementary grade for turning steel and cast iron.**
FP5325	PVD	Nano-AlTiSiN		超细晶粒基体，耐磨损性、抗氧化性能良好的梯度涂层。 实现钢不锈钢的稳定、长寿命车削、铣削加工。钛合金加工补充牌号。 Ultrafine grain matrix, gradient coating with good wear resistance and oxidation resistance. Achieve stable and long life machining of steel and stainless steel in turning and milling process. It is a supplementary brand for titanium alloy processing.
FP5326	PVD	TiAiN+Ti		硬度与强韧性兼顾的基体，含钛量更高的涂层。 适合铸铁、钢、不锈钢的钻削加工，高加工安全性。 The matrix has successfully combined with high hardness and super toughness, the insert with rich aluminum content coating. Suitable for the general processing of cast iron、steel and stainless steel, with high processing reliability.

钻削刀片 Drilling Insert

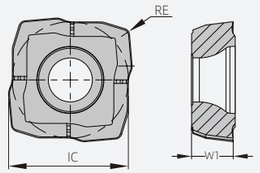
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钻削刀片 Drilling Insert

SCGX刀片
SCGX Insert

适用： ■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig



工件材料 Work Piece						
P钢	◆	◆	◆	◆	◆
M不锈钢	◇	◇	◆	◆	◆
K铸铁	◆	◆	◇	◆	◆
N有色金属					
S耐热合金				◇	◇
H高硬度材料			◇		

技术参数 Technical parameters	型号 Specification	尺寸 Dimension				刀片牌号 Insert Grade				
		INSL	W1	IC	RE	SP5225	FP5225	FP5224	FP5325	FP5326
通用-粗加工 G- Rough Process	SCGX020204-GQ3	-	2.4	4.9	0.4	▲				
	SCGX030305-GQ3	-	2.6	5.7	0.5	▲				
	SCGX040305-GQ3	-	2.8	6.8	0.5	▲				
	SCGX050305-GQ3	-	3.0	8.4	0.5	▲				
	SCGX060406-GQ3	-	3.5	10.2	0.6	▲				
	SCGX070406-GQ3	-	4.0	12.4	0.6	▲				
	SCGX080508-GQ3	-	4.5	14.9	0.8	▲				

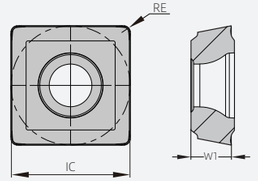
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Stock: ▲ Excellent(Instock) ● Good(Instock) ○ On Request

钻削刀片 Drilling Insert

SP*X刀片
SP*X Insert

适用： ■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig



工件材料 Work Piece						
P钢	◆	◆	◆	◆	◆
M不锈钢	◇	◇	◆	◆	◆
K铸铁	◆	◆	◇	◆	◆
N有色金属					
S耐热合金				◇	◇
H高硬度材料			◇		

技术参数 Technical parameters	型号 Specification	尺寸 Dimension				刀片牌号 Insert Grade				
		INSL	W1	IC	RE	SP5225	FP5225	FP5224	FP5325	FP5326
通用-粗加工 G- Rough Process	SPGX020205-GZ3	-	2.4	5.1	0.5	▲				
	SPGX030305-GZ3	-	2.6	6	0.5	▲				
	SPGX040305-GZ3	-	2.8	7.4	0.5	▲				
	SPGX050305-GZ3	-	3.0	8.9	0.5	▲				
	SPGX060406-GZ3	-	3.5	10.7	0.6	▲				
	SPGX070406-GZ3	-	4.0	12.7	0.6	▲				
	SPGX080508-GZ3	-	4.5	15.5	0.8	▲				
通用-粗加工 G- Rough Process	SPMT050204-GZ3	-	2.38	5	0.4		▲	▲	▲	
	SPMT060204-GZ3	-	2.38	6	0.4		▲	▲	▲	
	SPMT07T308-GZ3	-	3.97	7.94	0.8		▲	▲	▲	
	SPMT090408-GZ3	-	4.3	9.8	0.8		▲	▲	▲	
	SPMT110408-GZ3	-	4.8	11.5	0.8		▲	▲	▲	
	SPMT140512-GZ3	-	5.2	14.3	1.2		▲	▲	▲	

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Stock: ▲ Excellent(Instock) ● Good(Instock) ○ On Request

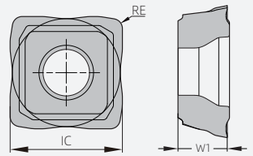
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Indexable Tool

钻削刀片 Drilling Insert

SOMT刀片
SOMT Insert

适用： ■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig



工件材料 Work Piece						
P钢	◆	◆	◆	◆	◆
M不锈钢	◇	◇	◆	◆	◆
K铸铁	◆	◆	◇	◆	◆
N有色金属					
S耐热合金				◇	◇
H高硬度材料			◇		

技术参数 Technical parameters	型号 Specification	尺寸 Dimension				刀片牌号 Insert Grade				
		INSL	W1	IC	RE	SP5225	FP5225	FP5224	FP5325	FP5326
通用-粗加工 G- Rough Process	SOMT040204-GQ3	-	2.38	4.1	0.4		▲	▲		▲
	SOMT050204-GQ3	-	2.38	4.9	0.4		▲	▲		▲
	SOMT060204-GQ3	-	2.38	5.7	0.4		▲	▲		▲
	SOMT070306-GQ3	-	2.8	6.8	0.6		▲	▲		▲
	SOMT08T306-GQ3	-	4.07	7.9	0.6		▲	▲		▲
	SOMT09T308-GQ3	-	3.97	9.2	0.8		▲	▲		▲
	SOMT11T308-GQ3	-	3.97	11	0.8		▲	▲		▲
	SOMT130408-GQ3	-	4.4	12.8	0.8		▲	▲		▲

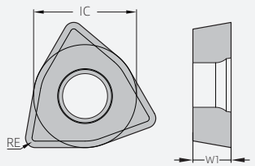
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Stock: ▲ Excellent(Instock) ● Good(Instock) ○ On Request

钻削刀片 Drilling Insert

WCMX刀片
WCMX Insert

适用： ■ 连续加工首选 □ 连续加工备选 ◆ 轻断续加工首选 ◇ 轻断续加工备选 ▼ 断续加工首选 ▽ 断续加工备选
Suit: ■ Continuous Preferred □ Continuous Alternative ◆ Light Intermittent Preferred ◇ Light Intermittent Alternative ▼ Intermittent Preferred ▽ Intermittent Alternative

图示 Fig



工件材料 Work Piece						
P钢	◆	◆	◆	◆	◆
M不锈钢	◇	◇	◆	◆	◆
K铸铁	◆	◆	◇	◆	◆
N有色金属					
S耐热合金				◇	◇
H高硬度材料			◇		

技术参数 Technical parameters	型号 Specification	尺寸 Dimension				刀片牌号 Insert Grade				
		INSL	W1	IC	RE	SP5225	FP5225	FP5224	FP5325	FP5326
通用-粗加工 G- Rough Process	WCMX030208-GZ3	-	2.38	5.56	0.8		▲	▲	▲	
	WCMX040208-GZ3	-	2.38	6.35	0.8		▲	▲	▲	
	WCMX050308-GZ3	-	3.18	7.94	0.8		▲	▲	▲	
	WCMX06T308-GZ3	-	3.97	9.525	0.8		▲	▲	▲	
	WCMX080412-GZ3	-	4.76	12.7	1.2		▲	▲	▲	

库存： ▲ 主推牌号 ● 可选牌号 ○ 按订单生产
Stock: ▲ Excellent(Instock) ● Good(Instock) ○ On Request



DF

TURNING HOLDER
车削刀体

Nomenclature
命名规则 DF003-011

CN** Insert PSC Turning Holder
CN刀片PSC车削刀体** DF013-018

DN** Insert PSC Turning Holder
DN刀片PSC车削刀体** DF019-024

SN** Insert PSC Turning Holder
SN刀片PSC车削刀体** DF025-027

VN** Insert PSC Turning Holder
VN刀片PSC车削刀体** DF028-029

WN** Insert PSC Turning Holder
WN刀片PSC车削刀体** DF030-030

CC** Insert PSC Turning Holder
CC刀片PSC车削刀体** DF031-035

DC** Insert PSC Turning Holder
DC刀片PSC车削刀体** DF036-041

SC** Insert PSC Turning Holder
SC刀片PSC车削刀体** DF042-042

TC** Insert PSC Turning Holder
TC刀片PSC车削刀体** DF043-044

VB** Insert PSC Turning Holder
VB刀片PSC车削刀体** DF045-053

RC** Insert PSC Turning Holder
RC刀片PSC车削刀体** DF054-057

Threading PSC Turning Holder
螺纹PSC车削刀体 DF058-059

CN** Insert Turning Holder
CN刀片车削刀体** DF060-062

DN** Insert Turning Holder
DN刀片车削刀体** DF063-067

SN** Insert Turning Holder
SN刀片车削刀体** DF068-074

TN** Insert Turning Holder
TN刀片车削刀体** DF075-083

VN** Insert Turning Holder
VN刀片车削刀体** DF084-086

WN** Insert Turning Holder
WN刀片车削刀体** DF087-090

CC** Insert Turning Holder
CC刀片车削刀体** DF091-091

DC** Insert Turning Holder
DC刀片车削刀体** DF092-094

SC** Insert Turning Holder
SC刀片车削刀体** DF095-096

TC** Insert Turning Holder
TC刀片车削刀体** DF097-098

VB** Insert Turning Holder
VB刀片车削刀体** DF099-100

VC** Insert Turning Holder
VC刀片车削刀体** DF101-102

RC** Insert Turning Holder
RC刀片车削刀体** DF103-105

Threading Turning Holder
螺纹车削刀体 DF106-106

Grooving Turning Holder
切槽车削刀体 DF107-108

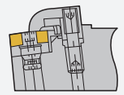
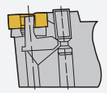
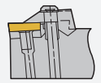
命名规则 Nomenclature

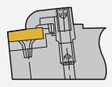
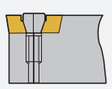
C40	-	P	C	L	N	R	-	25	260	-	12	SC
1		2	3	4	5	6		7	8		9	10

1 机床接口类型 Interface Type

ISO 26623	公称尺寸 intendedsize

2 夹紧方式 Holding Type

M型 M-Stype	P型 P-Style	D型 D-Style
		

C型 C-Style	S型 S-Style	
		

3 刀片形状 Shape

C	80°	S	
D	55°	T	
H		V	35°
K	55°	W	80°
L			
O			
P			
R			

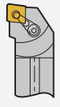
4 主偏角 Main Declination Angle

A	90°	J	93°	S	45°
B	75°	K	75°	T	60°
C	90°	L	95°	U	93°
D	45°	M	50°	V	72.5
E	60°	N	63°	W	60°
F	91°	P	62.5°	Y	85°
G	91°	Q	45°	Z	93°
H	107.5°	R	75°	X	Special

5 刀片后角 Back Angle

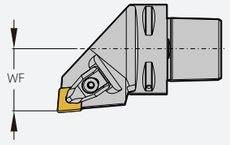
N			
B	5°		
C	7°		
P	11°		

6 方向 Direction

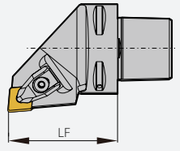
R	L
	

N	
	

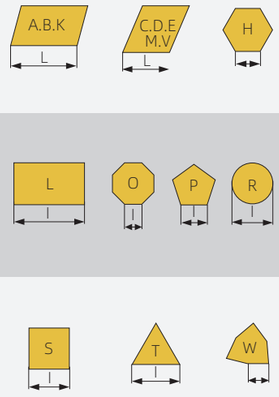
7 工作宽度 WF



8 功能长度 LF



9 刃长 Edge Length



10 冷却方式 Cooling Method

SC	精准冷却 accurate cooling

车刀体 Turning Holder

命名规则 Nomenclature

可转位刀具 Indexable Tool

命名规则
Nomenclature

C40 - V S E R - 25 260 - 12 SC
1 2 3 4 5 6 7 8 9

1 机床接口类型 Interface Type

ISO 26623	公称尺寸 intendedsize

2 刀片形状 Shape

标准型 Standard	X型 X-Style
	
U型 U-Style	立装型 V-Style
	

3 锁紧方式 Locking Type

S	螺钉锁紧 Screw-on

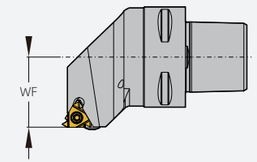
4 刀杆类型 Cutter Type

N	内径 Internal
E	外径 External

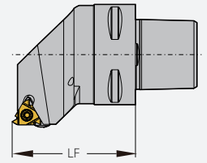
5 方向 Direction

R	L
	
N	
	

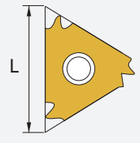
7 工作宽度 WF



8 功能长度 LF



8 刀片尺寸 Size



L(mm)	D
06	5/32"
08	3/16"
11	1/4"
16	3/8"
22	1/2"
27	5/8"

9 冷却方式 Cooling Method

SC	精准冷却 accurate cooling

车刀体 Turning Holder

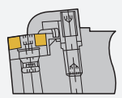
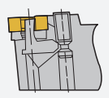
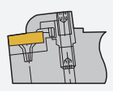
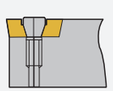
命名规则
Nomenclature

可转位刀具 Indexable Tool

命名规则
Nomenclature

M	C	L	N	R	25	25	M	12
1	2	3	4	5	6	7	8	9

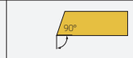
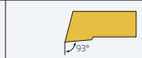
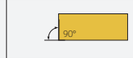
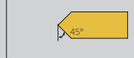
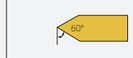
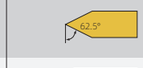
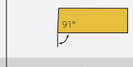
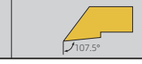
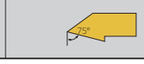
1 夹紧方式 Locking Type

M型 M-Stype	P型 P-Style	D型 D-Style
		
C型 C-Style	**S型 S-Style**	
		

2 刀片形状 Shape

C		S	
D		T	
H		V	
K		W	
L			
O			
P			
R			

3 主偏角 Main Declination Angle

A		J		S	
B		K		T	
C		L		U	
D		M		V	
E		N		W	
F		P		Y	
G		Q		Z	
H		R		X	Special

4 刀片后角 Back Angle

N			
B			
C			
P			

5 方向 Direction

R	L
N	

6 高度 H(mm)

7 宽度 B(mm)

8 功能长度 LF(mm)

A	30	K	125
B	40	M	150
C	50	P	170
D	60	R	200
E	70	S	250
F	80		
G	90		
H	100		

9 刃长 Edge Length

车刀体 Turning Holder
命名规则 Nomenclature

可转位刀具 Indexable Tool

命名规则 Nomenclature

S	25	R	-	M	C	L	N	R	12
1	2	3		4	5	6	7	8	9

1 材质 Material

S	钢 Steel
H	高速钢 Hign-Speed Steel
C	硬质合金 Carbide Steel
A	钢柄带内冷 Steel With Coolant Hole
E	硬质合金带内冷 Carbide Steel With Coolant Hole

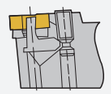
2 柄的直径 Shank Dia

3 长度 Length(mm)

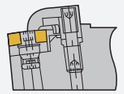
D	60	Q	180
E	70	R	200
F	80	S	250
G	90	T	300
H	100	U	350
K	125	V	400
M	150	W	450
N	160	Y	500

4 夹紧方式 Clamping Type

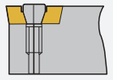
P型 P-Stype



M型 M-Style



S型 S-Style



5 刀片形状 Shape

C	80°	S	
D	55°	T	
H		V	35°
K	55°	W	80°
L			
O			
P			
R			

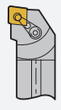
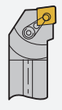
6 主偏角 Main Declination Angle

C	90°	W	60°
D	45°	Y	85°
F	91°	Z	93°
K	75°	X	特殊角度 Special
L	95°		
S	45°		
Q	45°		
U	93°		

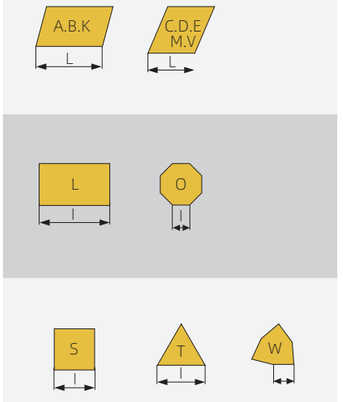
7 刀片后角 Back Angle

N			
B	5°		
C	7°		
P	11°		

8 方向 Direction

R	L
	

9 刃长 Edge Length



车刀体 Turning Holder

命名规则 Nomenclature

可转位刀具 Indexable Tool

命名规则 Nomenclature

V	-	S	E	R	2020	K	12
1		2	3	4	5	6	7

1 刀片形状 Shape

标准型 Standard	X型 X-Style
	
U型 U-Style	立装型 V-Style
	

2 锁紧方式 Locking Type

S	螺钉锁紧 Screw-on

3 刀杆类型 Cutter Type

N	内径 Internal
E	外径 External

4 切削方向 Direction

R右手 Right Hand	L左手 Left Hand

5 刀杆尺寸 Holder Size

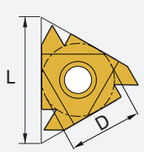
外径刀杆刀方
External
2020=20X20

内径刀杆直径
Internal
0020=直径dia20

6 长度 Length(mm)

F	80	S	250
H	100	T	300
K	125	U	350
M	150	V	400
N	160		
P	170		
Q	180		
R	200		

7 刀片尺寸 Insert Size



L(mm)	D
06	5/32"
08	3/16"
11	1/4"
16	3/8"
22	1/2"
27	5/8"

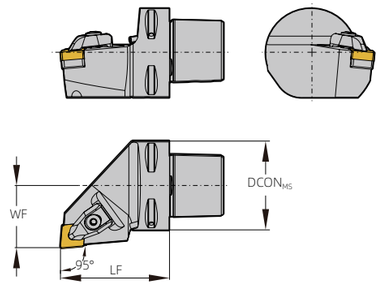
车刀体 Turning Holder

命名规则 Nomenclature

可转位刀具 Indexable Tool

PSC 外圆车刀-DCLNR/L
External Turning Tool-DCLNR/L





1.单位：mm
2.刀片单独订购
3.普通冷却设计，冷却液压力≤10bar

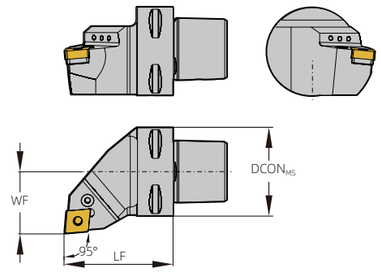
1.Unit：mm
2.Insert ordered separately.
3.Common coolant-through design, coolant pressure ≤ 10 bar.

型号 Specification	DCONMS	LF	WF	MIID	压板组件 Clamp Set	压板扳手 Clamp Wrench	刀垫 Shim	刀垫螺钉 Shim Screw	刀垫扳手 Shim Wrench	WT(kg)
C32-DCLNR/L-22045-12	32	45	22	CN..1204	ECST1e	L030	ECST1j	ECST0k	Q15	0.26
C40-DCLNR/L-27050-12	40	50	27	CN..1204	ECST1e	L030	ECST1j	ECST0k	Q15	0.44
C50-DCLNR/L-35060-12	50	60	35	CN..1204	ECST1e	L030	ECST1j	ECST0k	Q15	0.79
C63-DCLNR/L-45065-12	63	65	45	CN..1204	ECST1e	L030	ECST1j	ECST0k	Q15	1.33
C80-DCLNR/L-55080-12	80	80	55	CN..1204	ECST1e	L030	ECST1j	ECST0k	Q15	2.56
C40-DCLNR/L-27055-16	40	55	27	CN..1606	ECST1f	L040	ECST1k	ECST0L	Q20	0.48
C50-DCLNR/L-35060-16	50	60	35	CN..1606	ECST1f	L040	ECST1k	ECST0L	Q20	0.79
C63-DCLNR/L-45065-16	63	65	45	CN..1606	ECST1f	L040	ECST1k	ECST0L	Q20	1.43
C80-DCLNR/L-55080-16	80	80	55	CN..1606	ECST1f	L040	ECST1k	ECST0L	Q20	2.59
C50-DCLNR/L-35060-19	50	60	35	CN..1906	ECST1g	L040	ECST1L	ECST0L	Q20	0.87
C63-DCLNR/L-45065-19	63	65	45	CN..1906	ECST1g	L040	ECST1L	ECST0L	Q20	1.34
C80-DCLNR/L-55080-19	80	80	55	CN..1906	ECST1g	L040	ECST1L	ECST0L	Q20	2.61

刀片Insert → DA015-017

PSC 外圆车刀-PCLNR/L-SC
External Turning Tool-PCLNR/L-SC





1.单位：mm
2.刀片单独订购
3.精准冷却设计，冷却液压力≤150bar

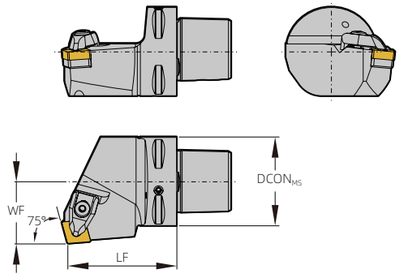
1.Unit：mm
2.Insert ordered separately.
3.Accurate coolant-through design, coolant pressure ≤ 150 bar.

型号 Specification	DCONMS	LF	WF	MIID	刀垫 Shim	杠杆 Lever	螺钉 Screw	垫片销 Shim Pin	扳手 Wrench	WT(kg)
C40-PCLNR/L-27050-12SC	40	50	27	CN..1204	ECST17	ECST04	ECST01	ECST02	L030	0.47
C50-PCLNR/L-35060-12SC	50	60	35	CN..1204	ECST17	ECST04	ECST01	ECST02	L030	0.81
C63-PCLNR/L-45065-12SC	63	65	45	CN..1204	ECST17	ECST04	ECST01	ECST02	L030	1.36
C80-PCLNR/L-55080-12SC	80	80	55	CN..1204	ECST17	ECST04	ECST01	ECST02	L030	2.67
C50-PCLNR/L-35060-16SC	50	60	35	CN..1606	ECST18	ECST10	ECST0v	ECST14	L030	0.85
C63-PCLNR/L-45065-16SC	63	65	45	CN..1606	ECST18	ECST10	ECST0v	ECST14	L030	1.36
C80-PCLNR/L-55080-16SC	80	80	55	CN..1606	ECST18	ECST10	ECST0v	ECST14	L030	2.72
C63-PCLNR/L-45065-19SC	63	65	45	CN..1906	ECST19	ECST11	ECST0w	ECST15	L040	1.38
C80-PCLNR/L-55080-19SC	80	80	55	CN..1906	ECST19	ECST11	ECST0w	ECST15	L040	2.69
C100-PCLNR/L-68110-19SC	100	110	68	CN..1906	ECST19	ECST11	ECST0w	ECST15	L040	6.60

刀片Insert → DA015-017

PSC 外圆车刀-DCKNR/L
External Turning Tool-DCKNR/L





1.单位：mm
2.刀片单独订购
3.普通冷却设计，冷却液压力≤10bar

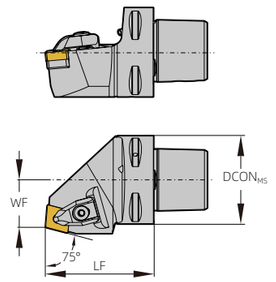
1.Unit：mm
2.Insert ordered separately.
3.Common coolant-through design, coolant pressure ≤ 10 bar.

型号 Specification	DCONMS	LF	WF	MIID	压板组件 Clamp Set	压板扳手 Clamp Wrench	刀垫 Shim	刀垫螺钉 Shim Screw	刀垫扳手 Shim Wrench	WT(kg)
C40-DCKNR/L-27050-12	40	50	27	CN..1204	ECST1e	L030	ECST1j	ECST0k	Q15	0.49
C50-DCKNR/L-35060-12	50	60	35	CN..1204	ECST1e	L030	ECST1j	ECST0k	Q15	0.89
C63-DCKNR/L-45065-12	63	65	45	CN..1204	ECST1e	L030	ECST1j	ECST0k	Q15	1.48
C50-DCKNR/L-35060-16	50	60	35	CN..1606	ECST1f	L040	ECST1k	ECST0j	Q20	0.86
C63-DCKNR/L-45065-16	63	65	45	CN..1606	ECST1f	L040	ECST1k	ECST0j	Q20	1.50
C63-DCKNR/L-45065-19	63	65	45	CN..1906	ECST1g	L040	ECST1L	ECST0j	Q20	1.50
C80-DCKNR/L-55080-19	80	80	55	CN..1906	ECST1g	L040	ECST1L	ECST0j	Q20	2.82

刀片Insert → DA015-017

PSC 外圆车刀-DCRNR/L
External Turning Tool-DCRNR/L





1.单位：mm
2.刀片单独订购
3.普通冷却设计，冷却液压力≤10bar

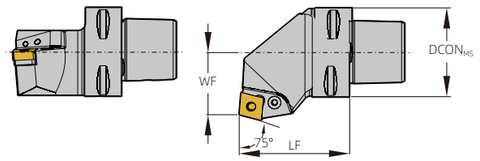
1.Unit：mm
2.Insert ordered separately.
3.Common coolant-through design, coolant pressure ≤ 10 bar.

型号 Specification	DCONMS	LF	WF	MIID	压板组件 Clamp Set	压板扳手 Clamp Wrench	刀垫 Shim	刀垫螺钉 Shim Screw	刀垫扳手 Shim Wrench	WT(kg)
C40-DCRNR/L-22050-12	40	50	22	CN..1204	ECST1e	L030	ECST1j	ECST0k	Q15	0.46
C50-DCRNR/L-27060-12	50	60	27	CN..1204	ECST1e	L030	ECST1j	ECST0k	Q15	0.75
C63-DCRNR/L-35065-12	63	65	35	CN..1204	ECST1e	L030	ECST1j	ECST0k	Q15	1.40
C50-DCRNR/L-27060-16	50	60	27	CN..1606	ECST1f	L030	ECST1k	ECST0j	Q20	0.74
C63-DCRNR/L-35065-16	63	65	35	CN..1606	ECST1f	L030	ECST1k	ECST0j	Q20	1.34
C80-DCRNR/L-55080-16	80	80	55	CN..1606	ECST1f	L030	ECST1k	ECST0j	Q20	2.68
C63-DCRNR/L-35065-19	63	65	35	CN..1906	ECST1g	L040	ECST1L	ECST0j	Q20	1.33
C80-DCRNR/L-55080-19	80	80	55	CN..1906	ECST1g	L040	ECST1L	ECST0j	Q20	2.68

刀片Insert → DA015-017

PSC | 外圆车刀-PCRNR/L-SC
External Turning Tool-PCRNR/L-SC





1.单位：mm
2.刀片单独订购
3.精准冷却设计，冷却液压力≤150bar

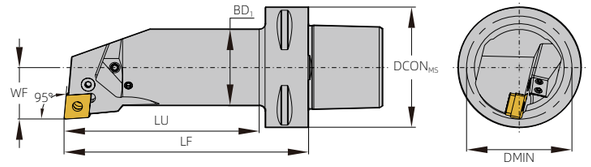
1.Unit：mm
2.Insert ordered separately.
3.Accurate coolant-through design, coolant pressure ≤ 150 bar.

型号 Specification	DCONMS	LF	WF	MIID	刀垫 Shim	杠杆 Lever	螺钉 Screw	垫片销 Shim pin	扳手 Wrench	WT(kg)
C63-PCRNR/L-35065-16SC	63	65	35	CN..1606	ECST18	ECST10	ECST0v	ECST14	L030	1.50
C63-PCRNR/L-35065-19SC	63	65	35	CN..1906	ECST19	ECST11	ECST0w	ECST15	L040	1.48

刀片Insert → DA015-017

PSC | 内孔车刀-PCLNR/L-SC
Internal Turning Tool-PCLNR/L-SC





1.单位：mm
2.刀片单独订购
3.精准冷却设计，冷却液压力≤150bar

1.Unit：mm
2.Insert ordered separately.
3.Accurate coolant-through design, coolant pressure ≤ 150 bar.

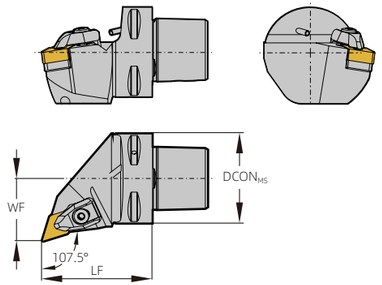
型号 Specification	DCONMS	DMIN	BD1	LF	LU	WF	MIID	刀垫 Shim	杠杆 Lever	螺钉 Screw	垫片销 Shim Pin	扳手 Wrench	WT(kg)
C32-PCLNR/L-22064-12SC	32	40	32	64	48	22	CN..1204	ECST17	ECST04	ECST01	ECST02	L030	0.37
C32-PCLNR/L-22096-12SC	32	40	32	96	80	22	CN..1204	ECST17	ECST04	ECST01	ECST02	L030	0.55
C40-PCLNR/L-22110-12SC	40	40	32	110	86	22	CN..1204	ECST17	ECST04	ECST01	ECST02	L030	0.77
C40-PCLNR/L-27080-12SC	40	50	40	80	59	27	CN..1204	ECST17	ECST04	ECST01	ECST02	L030	0.72
C40-PCLNR/L-27120-12SC	40	50	40	120	99	27	CN..1204	ECST17	ECST04	ECST01	ECST02	L030	1.08
C50-PCLNR/L-22110-12SC	50	40	32	110	82	22	CN..1204	ECST17	ECST04	ECST01	ECST02	L030	0.98
C50-PCLNR/L-27140-12SC	50	50	40	140	115	27	CN..1204	ECST17	ECST04	ECST01	ECST02	L030	1.47
C50-PCLNR/L-35100-12SC	50	63	50	100	79	35	CN..1204	ECST17	ECST04	ECST01	ECST02	L030	1.43
C63-PCLNR/L-22110-12SC	63	40	32	110	78	22	CN..1204	ECST17	ECST04	ECST01	ECST02	L030	1.34
C50-PCLNR/L-35150-16SC	50	63	50	150	129	35	CN..1606	ECST18	ECST10	ECST0z	ECST14	L030	2.11
C63-PCLNR/L-27140-16SC	63	50	40	140	109	27	CN..1606	ECST18	ECST10	ECST0z	ECST14	L030	1.79
C63-PCLNR/L-35175-16SC	63	63	50	175	146	35	CN..1606	ECST18	ECST10	ECST0z	ECST14	L030	2.89

刀片Insert → DA015-017

车刀体 Turning Holder

PSC 外圆车刀-DDHNR/L
External Turning Tool-DDHNR/L





1.单位：mm
2.刀片单独订购
3.普通冷却设计，冷却液压力≤10bar

1.Unit：mm
2.Insert ordered separately.
3.Common coolant-through design, coolant pressure ≤ 10 bar.

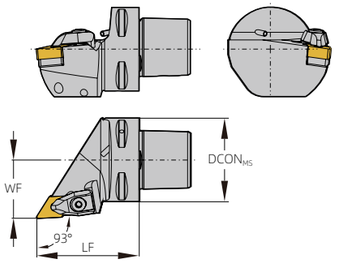
型号 Specification	DCONMS	LF	WF	MIID	压板组件 Clamp Set	压板扳手 Clamp Wrench	刀垫 Shim	刀垫螺钉 Shim Screw	刀垫扳手 Shim Wrench	WT(kg)
C40-DDHNR/L-27055-15	40	55	27	DN..1506	ECST1e	L030	ECST1n	ECST0k	Q15	0.45
C50-DDHNR/L-35060-15	50	60	35	DN..1506	ECST1e	L030	ECST1n	ECST0k	Q15	0.75
C63-DDHNR/L-45065-15	63	65	45	DN..1506	ECST1e	L030	ECST1n	ECST0k	Q15	1.27
C80-DDHNR/L-55080-15	80	80	55	DN..1506	ECST1e	L030	ECST1n	ECST0k	Q15	2.50

刀片Insert → DA018-019

车刀体 Turning Holder

PSC 外圆车刀-DDJNR/L
External Turning Tool-DDJNR/L





1.单位：mm
2.刀片单独订购
3.普通冷却设计，冷却液压力≤10bar

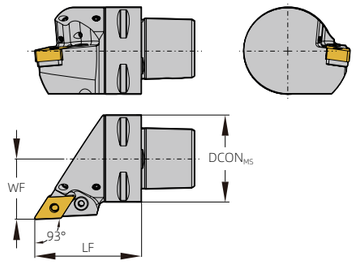
1.Unit：mm
2.Insert ordered separately.
3.Common coolant-through design, coolant pressure ≤ 10 bar.

型号 Specification	DCONMS	LF	WF	MIID	压板组件 Clamp Set	压板扳手 Clamp Wrench	刀垫 Shim	刀垫螺钉 Shim Screw	刀垫扳手 Shim Wrench	WT(kg)
C32-DDJNR/L-22045-11	32	45	22	DN..1104	ECST1h	L025	ECST1m	ECST0m	Q09	0.23
C40-DDJNR/L-27050-11	40	50	27	DN..1104	ECST1h	L025	ECST1m	ECST0m	Q09	0.39
C50-DDJNR/L-35060-11	50	60	35	DN..1104	ECST1h	L025	ECST1m	ECST0m	Q09	0.76
C40-DDJNR/L-27055-15	40	55	27	DN..1506	ECST1e	L030	ECST1n	ECST0k	Q15	0.46
C50-DDJNR/L-35060-15	50	60	35	DN..1506	ECST1e	L030	ECST1n	ECST0k	Q15	0.72
C63-DDJNR/L-45065-15	63	65	45	DN..1506	ECST1e	L030	ECST1n	ECST0k	Q15	1.18
C80-DDJNR/L-55080-15	80	80	55	DN..1506	ECST1e	L030	ECST1n	ECST0k	Q15	2.30

刀片Insert → DA018-019

PSC | 外圆车刀-PDJNR/L-SC
External Turning Tool-PDJNR/L-SC





1.单位：mm
2.刀片单独订购
3.精准冷却设计，冷却液压力≤150bar

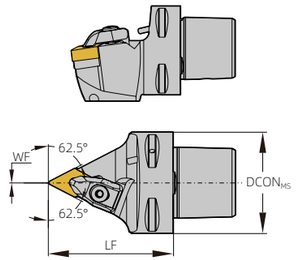
1.Unit：mm
2.Insert ordered separately.
3.Accurate coolant-through design, coolant pressure ≤ 150 bar.

型号 Specification	DCONMS	LF	WF	MIID	刀垫 Shim	杠杆 Lever	螺钉 Screw	垫片销 Shim Pin	扳手 Wrench	WT(kg)
C40-PDJNR/L-27050-11SC	40	50	27	DN..1104	ECST1a	ECST12	ECST0x	ECST16	L025	0.44
C50-PDJNR/L-35060-11SC	50	60	35	DN..1104	ECST1a	ECST12	ECST0x	ECST16	L025	0.79
C40-PDJNR/L-27055-15SC	40	55	27	DN..1506	ECST1b	ECST13	ECST0y	ECST02	L030	0.48
C50-PDJNR/L-35060-15SC	50	60	35	DN..1506	ECST1b	ECST13	ECST0y	ECST02	L030	0.79
C63-PDJNR/L-45065-15SC	63	65	45	DN..1506	ECST1b	ECST13	ECST0y	ECST02	L030	1.31
C80-PDJNR/L-55080-15SC	80	80	55	DN..1506	ECST1b	ECST13	ECST0y	ECST02	L030	2.76
C100-PDJNR/L-68110-15SC	100	110	68	DN..1506	ECST1b	ECST13	ECST0y	ECST02	L030	6.05

刀片Insert → DA018-019

PSC | 外圆车刀-DDNNN
External Turning Tool-DDNNN





1.单位：mm
2.刀片单独订购
3.普通冷却设计，冷却液压力≤10bar

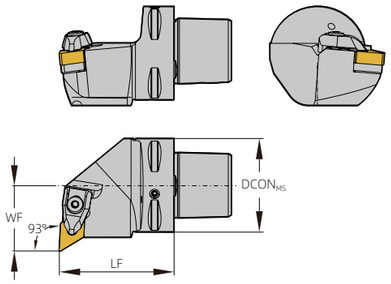
1.Unit：mm
2.Insert ordered separately.
3.Common coolant-through design, coolant pressure ≤ 10 bar.

型号 Specification	DCONMS	LF	WF	MIID	压板组件 Clamp Set	压板扳手 Clamp Wrench	刀垫 Shim	刀垫螺钉 Shim Screw	刀垫扳手 Shim Wrench	WT(kg)
C40-DDNNN-00050-11	40	50	0	DN..1104	ECST1h	L025	ECST1m	ECST0m	Q09	0.35
C40-DDNNN-00055-15	40	55	0	DN..1506	ECST1e	L030	ECST1n	ECST0k	Q15	0.38
C50-DDNNN-00060-15	50	60	0	DN..1506	ECST1e	L030	ECST1n	ECST0k	Q15	0.62
C63-DDNNN-00065-15	63	65	0	DN..1506	ECST1e	L030	ECST1n	ECST0k	Q15	1.02
C80-DDNNN-00080-15	80	80	0	DN..1506	ECST1e	L030	ECST1n	ECST0k	Q15	2.10

刀片Insert → DA018-019

PSC 外圆车刀-DDUNR/L
External Turning Tool-DDUNR/L





1.单位：mm
2.刀片单独订购
3.普通冷却设计，冷却液压力≤10bar

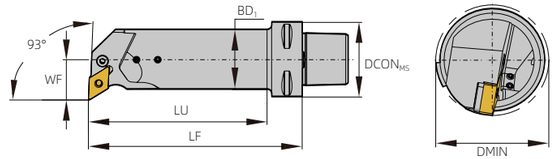
1.Unit：mm
2.Insert ordered separately.
3.Common coolant-through design, coolant pressure ≤ 10 bar.

型号 Specification	DCONMS	LF	WF	MIID	压板组件 Clamp Set	压板扳手 Clamp Wrench	刀垫 Shim	刀垫螺钉 Shim Screw	刀垫扳手 Shim Wrench	WT(kg)
C40-DDUNR/L-27050-15	40	50	27	DN..1506	ECST1e	L030	ECST1n	ECST0k	Q15	0.45
C50-DDUNR/L-35060-15	50	60	35	DN..1506	ECST1e	L030	ECST1n	ECST0k	Q15	0.80
C63-DDUNR/L-45065-15	63	65	45	DN..1506	ECST1e	L030	ECST1n	ECST0k	Q15	1.39
C80-DDUNR/L-55080-15	80	80	55	DN..1506	ECST1e	L030	ECST1n	ECST0k	Q15	2.70

刀片Insert → DA018-019

PSC 内孔车刀-PDUNR/L-SC
Internal Turning Tool-PDUNR/L-SC





1.单位：mm
2.刀片单独订购
3.精准冷却设计，冷却液压力≤150bar

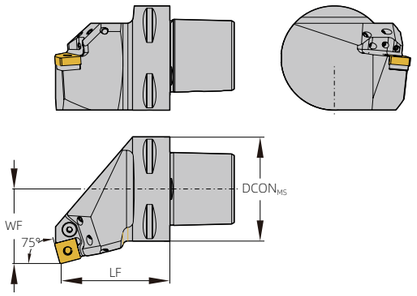
1.Unit：mm
2.Insert ordered separately.
3.Accurate coolant-through design, coolant pressure ≤ 150 bar.

型号 Specification	DCONMS	DMIN	BD1	LF	LU	WF	MIID	刀垫 Shim	杠杆 Lever	螺钉 Screw	垫片销 Shim Pin	扳手 Wrench	WT(kg)
C40-PDUNR/L-22110-11SC	40	40	32	110	86	22	DN..1104	ECST1a	ECST12	ECST0x	ECST16	L025	0.77
C50-PDUNR/L-22110-11SC	50	40	32	110	82	22	DN..1104	ECST1a	ECST12	ECST0x	ECST16	L025	0.98
C40-PDUNR/L-27080-15SC	40	50	40	80	59	27	DN..1506	ECST1b	ECST13	ECST0y	ECST02	L030	0.70
C40-PDUNR/L-27120-15SC	40	50	40	120	99	27	DN..1506	ECST1b	ECST13	ECST0y	ECST02	L030	1.07
C50-PDUNR/L-27140-15SC	50	50	40	140	115	27	DN..1506	ECST1b	ECST13	ECST0y	ECST02	L030	1.45
C50-PDUNR/L-35100-15SC	50	63	50	100	79	35	DN..1506	ECST1b	ECST13	ECST0y	ECST02	L030	1.43
C50-PDUNR/L-35150-15SC	50	63	50	150	129	35	DN..1506	ECST1b	ECST13	ECST0y	ECST02	L030	2.15
C63-PDUNR/L-22110-15SC	63	40	32	110	78	22	DN..1506	ECST1b	ECST13	ECST0y	ECST02	L030	1.33
C63-PDUNR/L-27140-15SC	63	50	40	140	109	27	DN..1506	ECST1b	ECST13	ECST0y	ECST02	L030	1.81
C63-PDUNR/L-35175-15SC	63	63	50	175	146	35	DN..1506	ECST1b	ECST13	ECST0y	ECST02	L030	2.91

刀片Insert → DA018-019

PSC 外圆车刀-PSKNR/L-SC
External Turning Tool-PSKNR/L-SC





1.单位：mm
2.刀片单独订购
3.精准冷却设计，冷却液压力≤150bar

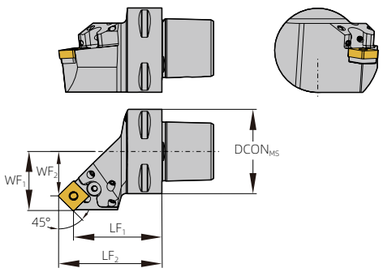
1.Unit：mm
2.Insert ordered separately.
3.Accurate coolant-through design, coolant pressure ≤ 150 bar.

型号 Specification	DCONMS	LF	WF	MIID	刀垫 Shim	杠杆 Lever	螺钉 Screw	垫片销 Shim Pin	扳手 Wrench	WT(kg)
C63-PSKNR/L-45065-15SC	63	65	45	SN..1506	ECST1c	ECST10	ECST0v	ECST14	L030	1.52
C63-PSKNR/L-45065-19SC	63	65	45	SN..1906	ECST1d	ECST11	ECST0w	ECST15	L040	1.60

刀片Insert → DA020-021

PSC 外圆车刀-PSSNR/L-SC
External Turning Tool-PSSNR/L-SC





1.单位：mm
2.刀片单独订购
3.精准冷却设计，冷却液压力≤150bar

1.Unit：mm
2.Insert ordered separately.
3.Accurate coolant-through design, coolant pressure ≤ 150 bar.

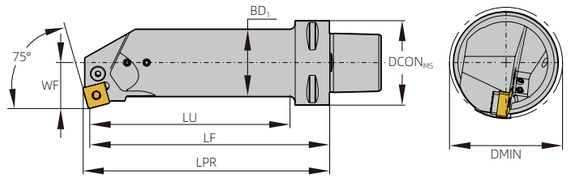
型号 Specification	DCONMS	LF1	LF2	WF1	WF2	MIID	刀垫 Shim	杠杆 Lever	螺钉 Screw	垫片销 Shim Pin	扳手 Wrench	WT(kg)
C40-PSSNR/L-27042-12SC	40	42	50.3	27	18.7	SN..1204	ECST03	ECST04	ECST01	ECST02	L030	0.41
C50-PSSNR/L-35052-12SC	50	52	60.3	35	26.7	SN..1204	ECST03	ECST04	ECST01	ECST02	L030	0.75
C63-PSSNR/L-45056-12SC	63	56	64.3	45	36.7	SN..1204	ECST03	ECST04	ECST01	ECST02	L030	1.19
C80-PSSNR/L-55080-12SC	80	80	88.3	55	46.7	SN..1204	ECST03	ECST04	ECST01	ECST02	L030	2.57
C63-PSSNR/L-45054-15SC	63	54	64.2	45	34.8	SN..1506	ECST1c	ECST10	ECST0v	ECST14	L030	1.23
C63-PSSNR/L-45052-19SC	63	52	64.2	45	32.5	SN..1906	ECST1d	ECST11	ECST0w	ECST15	L040	1.20
C80-PSSNR/L-55080-19SC	80	80	92.5	55	42.5	SN..1906	ECST1d	ECST11	ECST0w	ECST15	L040	2.72
C100-PSSNR/L-68092-19SC	100	92	104.5	68	55.5	SN..1906	ECST1d	ECST11	ECST0w	ECST15	L040	4.45

刀片Insert → DA020-021

车刀体 Turning Holder

PSC 内孔车刀-PSKNR/L-SC
Internal Turning Tool-PSKNR/L-SC





1.单位：mm
2.刀片单独订购
3.精准冷却设计，冷却液压力≤150bar

1.Unit：mm
2.Insert ordered separately.
3.Accurate coolant-through design, coolant pressure ≤ 150 bar.

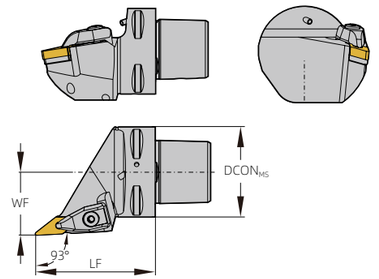
型号 Specification	DCONMS	DMIN	BD1	LF	LU	WF	MIID	刀垫 Shim	杠杆 Lever	螺钉 Screw	垫片销 Shim Pin	扳手 Wrench	WT (kg)
C40-PSKNR/L-22110-12SC	40	40	32	110	86	22	SN..1204	ECST03	ECST04	ECST01	ECST02	L030	0.79
C50-PSKNR/L-22110-12SC	50	40	32	110	82	22	SN..1204	ECST03	ECST04	ECST01	ECST02	L030	0.99
C50-PSKNR/L-27140-12SC	50	50	40	140	115	27	SN..1204	ECST03	ECST04	ECST01	ECST02	L030	1.48
C63-PSKNR/L-22110-12SC	63	40	32	110	78	22	SN..1204	ECST03	ECST04	ECST01	ECST02	L030	1.35
C63-PSKNR/L-35175-15SC	63	63	50	175	146	35	SN..1506	ECST1c	ECST10	ECST0v	ECST14	L030	2.96

刀片Insert → DA020-021

车刀体 Turning Holder

PSC 外圆车刀-DVJNR/L
External Turning Tool-DVJNR/L





1.单位：mm
2.刀片单独订购
3.普通冷却设计，冷却液压力≤10bar

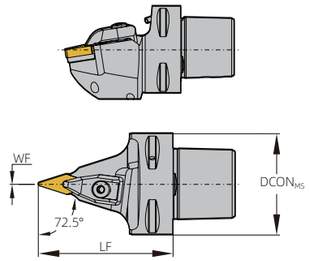
1.Unit：mm
2.Insert ordered separately.
3.Common coolant-through design, coolant pressure ≤ 10 bar.

型号 Specification	DCONMS	LF	WF	MIID	压板组件 Clamp Set	压板扳手 Clamp Wrench	刀垫 Shim	刀垫螺钉 Shim Screw	刀垫扳手 Shim Wrench	WT (kg)
C40-DVJNR/L-27062-16	40	62	27	VN..1604	ECST1i	L030	ECST1o	ECST0n	Q15	0.45
C50-DVJNR/L-35065-16	50	65	35	VN..1604	ECST1i	L030	ECST1o	ECST0n	Q15	0.72
C63-DVJNR/L-45065-16	63	65	45	VN..1604	ECST1i	L030	ECST1o	ECST0n	Q15	1.13
C80-DVJNR/L-55080-16	80	80	55	VN..1604	ECST1i	L030	ECST1o	ECST0n	Q15	2.22

刀片Insert → DA025-025

PSC 外圆车刀-DVVNN
External Turning Tool-DVVNN





1.单位：mm
2.刀片单独订购
3.普通冷却设计，冷却液压力≤10bar

1.Unit：mm
2.Insert ordered separately.
3.Common coolant-through design, coolant pressure ≤ 10 bar.

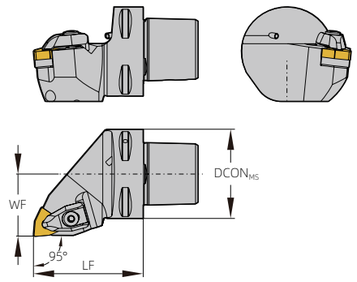
型号 Specification	DCONMS	LF	WF	MIID	压板组件 Clamp Set	压板扳手 Clamp Wrench	刀垫 Shim	刀垫螺钉 Shim Screw	刀垫扳手 Shim Wrench	WT(kg)
C40-DVVNN-00062-16	40	62	0.6	VN..1604	ECST1i	L030	ECST1o	ECST0n	Q15	0.41
C50-DVVNN-00065-16	50	65	0.6	VN..1604	ECST1i	L030	ECST1o	ECST0n	Q15	0.63
C63-DVVNN-00065-16	63	65	0.6	VN..1604	ECST1i	L030	ECST1o	ECST0n	Q15	1.03
C80-DVVNN-00080-16	80	80	0.6	VN..1604	ECST1i	L030	ECST1o	ECST0n	Q15	2.00

可转位刀具 Indexable Tool

刀片Insert → DA025-025

PSC 外圆车刀-DWLNR/L
External Turning Tool-DWLNR/L





1.单位：mm
2.刀片单独订购
3.普通冷却设计，冷却液压力≤10bar

1.Unit：mm
2.Insert ordered separately.
3.Common coolant-through design, coolant pressure ≤ 10 bar.

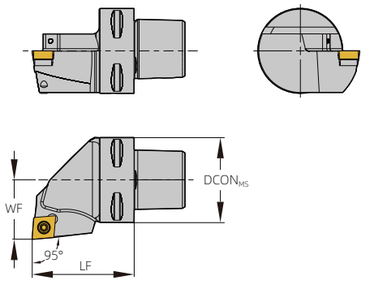
型号 Specification	DCONMS	LF	WF	MIID	压板组件 Clamp Set	压板扳手 Clamp Wrench	刀垫 Shim	刀垫螺钉 Shim Screw	刀垫扳手 Shim Wrench	WT(kg)
C32-DWLNR/L-22040-06	32	40	22	WN..0604	ECST1h	L025	ECST1p	ECST0m	Q09	0.21
C40-DWLNR/L-27050-06	40	50	27	WN..0604	ECST1h	L025	ECST1p	ECST0m	Q09	0.43
C50-DWLNR/L-35060-06	50	60	35	WN..0604	ECST1h	L025	ECST1p	ECST0m	Q09	0.74
C63-DWLNR/L-45065-06	63	65	45	WN..0604	ECST1h	L025	ECST1p	ECST0m	Q09	1.33
C40-DWLNR/L-27050-08	40	50	27	WN..0804	ECST1e	L030	ECST1q	ECST0k	Q15	0.43
C50-DWLNR/L-35060-08	50	60	35	WN..0804	ECST1e	L030	ECST1q	ECST0k	Q15	0.74
C63-DWLNR/L-45065-08	63	65	45	WN..0804	ECST1e	L030	ECST1q	ECST0k	Q15	1.34
C80-DWLNR/L-55080-08	80	80	55	WN..0804	ECST1e	L030	ECST1q	ECST0k	Q15	2.58

可转位刀具 Indexable Tool

刀片Insert → DA026-027

PSC | 外圆车刀-SCLCR/L-SC
External Turning Tool-SCLCR/L-SC





1.单位：mm
2.刀片单独订购
3.精准冷却设计，冷却液压力≤150bar

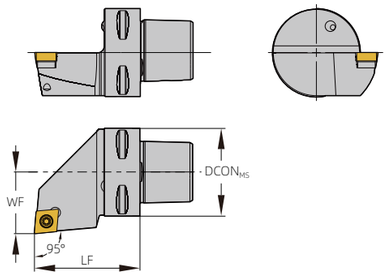
1.Unit：mm
2.Insert ordered separately.
3.Accurate coolant-through design, coolant pressure ≤ 150 bar.

型号 Specification	DCONMS	LF	WF	MIID	刀垫 Shim	刀垫螺钉 Shim Screw	刀垫扳手 Shim Wrench	刀片螺钉 Insert Screw	刀片扳手 Insert Wrench	WT(kg)
C32-SCLCR/L-22040-09SC	32	40	22	CC..09T3..	ECST0r	ECST0p	L035	ECST0C	TS15IP	0.23
C40-SCLCR/L-27050-09SC	40	50	27	CC..09T3..	ECST0r	ECST0p	L035	ECST0C	TS15IP	0.44
C40-SCLCR/L-27050-12SC	40	50	27	CC..1204..	ECST0s	ECST0q	L040	ECST0D	TS15IP	0.45
C50-SCLCR/L-35060-12SC	50	60	35	CC..1204..	ECST0s	ECST0q	L040	ECST0D	TS15IP	0.85
C63-SCLCR/L-45065-12SC	63	65	45	CC..1204..	ECST0s	ECST0q	L040	ECST0D	TS15IP	1.34

刀片Insert → DA028-028

PSC | 外圆车刀-SCLCR/L
External Turning Tool-SCLCR/L





1.单位：mm
2.刀片单独订购
3.普通冷却设计，冷却液压力≤10bar

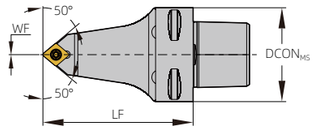
1.Unit：mm
2.Insert ordered separately.
3.Common coolant-through design, coolant pressure ≤ 10 bar.

型号 Specification	DCONMS	LF	WF	MIID	刀垫 Shim	刀垫螺钉 Shim Screw	刀垫扳手 Shim Wrench	刀片螺钉 Insert Screw	刀片扳手 Insert Wrench	WT(kg)
C32-SCLCR/L-22040-09	32	40	22	CC..09T3..	ECST0r	ECST0p	L035	ECST0C	TS15IP	0.24
C40-SCLCR/L-27050-09	40	50	27	CC..09T3..	ECST0r	ECST0p	L035	ECST0C	TS15IP	0.46
C50-SCLCR/L-35060-09	50	60	35	CC..09T3..	ECST0r	ECST0p	L035	ECST0C	TS15IP	0.87
C63-SCLCR/L-45065-09	63	65	45	CC..09T3..	ECST0r	ECST0p	L035	ECST0C	TS15IP	1.50
C32-SCLCR/L-22040-12	32	40	22	CC..1204..	ECST0s	ECST0q	L040	ECST0D	TS15IP	0.24
C40-SCLCR/L-27050-12	40	50	27	CC..1204..	ECST0s	ECST0q	L040	ECST0D	TS15IP	0.45
C50-SCLCR/L-35060-12	50	60	35	CC..1204.	ECST0s	ECST0q	L040	ECST0D	TS15IP	0.85
C63-SCLCR/L-45065-12	63	65	45	CC..1204.	ECST0s	ECST0q	L040	ECST0D	TS15IP	1.49

刀片Insert → DA028-028

PSC | 外圆车刀-SCMCN
External Turning Tool-SCMCN





1.单位：mm
2.刀片单独订购
3.普通冷却设计，冷却液压力≤10bar

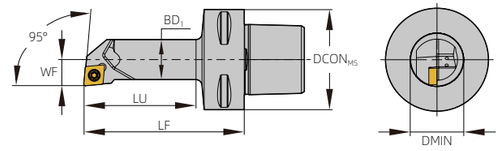
1.Unit：mm
2.Insert ordered separately.
3.Common coolant-through design, coolant pressure ≤ 10 bar.

型号 Specification	DCONMS	LF	WF	MIID	刀垫 Shim	刀垫螺钉 Shim Screw	刀垫扳手 Shim Wrench	刀片螺钉 Insert Screw	刀片扳手 Insert Wrench	WT(kg)
C63-SCMCN-00090-12	63	90	0	CC..1204	ECST0s	ECST0q	L040	ECST0D	TS15IP	1.35

刀片Insert → DA028-028

PSC | 内孔车刀-SCLCR/L-SC
Internal Turning Tool-SCLCR/L-SC





1.单位：mm
2.刀片单独订购
3.精准冷却设计，冷却液压力≤150bar

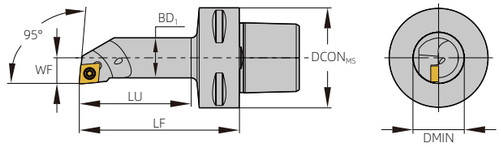
1.Unit：mm
2.Insert ordered separately.
3.Accurate coolant-through design, coolant pressure ≤ 150 bar.

型号 Specification	DCONMS	DMIN	LU	LF	BD1	WF	MIID	刀片螺钉 Insert Screw	刀片扳手 Insert Wrench	WT(kg)
C32-SCLCR/L-11065-09SC	32	22	48	65	16	11	CC..09T3	ECST0f	TS15IP	0.22
C40-SCLCR/L-11070-09SC	40	22	47	70	16	11	CC..09T3	ECST0f	TS15IP	0.36
C40-SCLCR/L-13080-09SC	40	25	57	80	20	13	CC..09T3	ECST0f	TS15IP	0.41
C50-SCLCR/L-11070-09SC	50	22	46	70	16	11	CC..09T3	ECST0f	TS15IP	0.56
C50-SCLCR/L-13080-09SC	50	25	56	80	20	13	CC..09T3	ECST0f	TS15IP	0.61
C40-SCLCR/L-17090-12SC	40	32	69	90	25	17	CC..1204	ECST0j	TS20IP	0.50
C50-SCLCR/L-17090-12SC	50	32	67	90	25	17	CC..1204	ECST0j	TS20IP	0.69

刀片Insert → DA028-028

PSC 内孔车刀-SCLCR/L
Internal Turning Tool-SCLCR/L





1.单位：mm
2.刀片单独订购
3.普通冷却设计，冷却液压力≤10bar

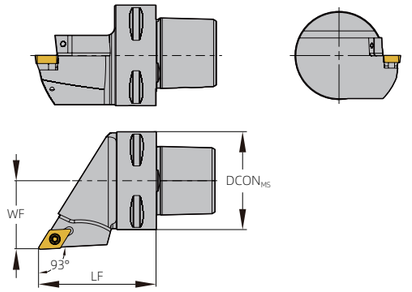
1.Unit: mm
2.Insert ordered separately.
3.Common coolant-through design, coolant pressure ≤ 10 bar.

型号 Specification	DCONMS	DMIN	LU	LF	BD1	WF	MIID	刀垫 Shim	刀垫螺钉 Shim Screw	刀垫扳手 Shim Wrench	刀片螺钉 Insert Screw	刀片扳手 Insert Wrench	WT(kg)
C32-SCLCR/L-11065-09	32	20	48	65	16	11	CC..09T3	-	-	-	ECST0f	TS15IP	0.21
C32-SCLCR/L-13075-09	32	25	58	75	20	13	CC..09T3	-	-	-	ECST0f	TS15IP	0.27
C32-SCLCR/L-17090-09	32	32	74	90	25	17	CC..09T3	-	-	-	ECST0f	TS15IP	0.38
C40-SCLCR/L-11070-09	40	20	47	70	16	11	CC..09T3	-	-	-	ECST0f	TS15IP	0.36
C40-SCLCR/L-13080-09	40	25	57	80	20	13	CC..09T3	-	-	-	ECST0f	TS15IP	0.41
C40-SCLCR/L-17090-09	40	32	68	90	25	17	CC..09T3	-	-	-	ECST0f	TS15IP	0.51
C50-SCLCR/L-11070-09	50	20	46	70	16	11	CC..09T3	-	-	-	ECST0f	TS15IP	0.57
C50-SCLCR/L-13080-09	50	25	56	80	20	13	CC..09T3	-	-	-	ECST0f	TS15IP	0.65
C50-SCLCR/L-17090-09	50	32	67	90	25	17	CC..09T3	-	-	-	ECST0f	TS15IP	0.69
C32-SCLCR/L-22096-12	32	40	81	96	32	22	CC..1204	ECST0s	ECST0q	L040	ECST0D	TS15IP	0.54
C40-SCLCR/L-22110-12	40	40	89	110	32	22	CC..1204	ECST0s	ECST0q	L040	ECST0D	TS15IP	0.77
C50-SCLCR/L-22110-12	50	40	88	110	32	22	CC..1204	ECST0s	ECST0q	L040	ECST0D	TS15IP	0.97
C50-SCLCR/L-27140-12	50	50	119	140	40	27	CC..1204	ECST0s	ECST0q	L040	ECST0D	TS15IP	1.49
C50-SCLCR/L-35100-12	50	63	80	100	50	35	CC..1204	ECST0s	ECST0q	L040	ECST0D	TS15IP	1.40

刀片Insert → DA028-028

PSC 外圆车刀-SDJCR/L-SC
External Turning Tool-SDJCR/L-SC





1.单位：mm
2.刀片单独订购
3.精准冷却设计，冷却液压力≤150bar

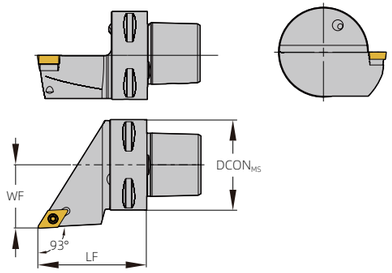
1.Unit: mm
2.Insert ordered separately.
3.Accurate coolant-through design, coolant pressure ≤ 150 bar.

型号 Specification	DCONMS	LF	WF	MIID	刀垫 Shim	刀垫螺钉 Shim Screw	刀垫扳手 Shim Wrench	刀片螺钉 Insert Screw	刀片扳手 Insert Wrench	WT(kg)
C32-SDJCR/L-22040-11SC	32	40	22	DC..11T3	ECST0t	ECST0p	L035	ECST0C	TS15IP	0.22
C40-SDJCR/L-27050-11SC	40	50	27	DC..11T3	ECST0t	ECST0p	L035	ECST0C	TS15IP	0.42
C50-SDJCR/L-35060-11SC	50	60	35	DC..11T3	ECST0t	ECST0p	L035	ECST0C	TS15IP	0.73
C63-SDJCR/L-45065-11SC	63	65	45	DC..11T3	ECST0t	ECST0p	L035	ECST0C	TS15IP	1.19

刀片Insert → DA029-029

PSC 外圆车刀-SDJCR/L
External Turning Tool-SDJCR/L





1.单位：mm
2.刀片单独订购
3.普通冷却设计，冷却液压力≤10bar

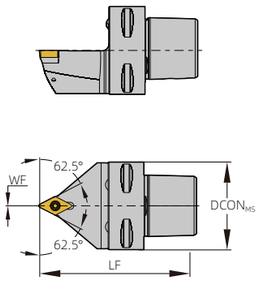
1.Unit：mm
2.Insert ordered separately.
3.Common coolant-through design, coolant pressure ≤ 10 bar.

型号 Specification	DCONMS	LF	WF	MIID	刀垫 Shim	刀垫螺钉 Shim Screw	刀垫扳手 Shim Wrench	刀片螺钉 Insert Screw	刀片扳手 Insert Wrench	WT(kg)
C32-SDJCR/L-22040-07	32	40	22	DC..0702..	-	-	-	ECST0E	TS08IP	0.21
C40-SDJCR/L-27050-07	40	50	27	DC..0702.	-	-	-	ECST0E	TS08IP	0.26
C32-SDJCR/L-22040-11	32	40	22	DC..11T3..	ECST0t	ECST0p	L035	ECST0C	TS15IP	0.21
C40-SDJCR/L-27050-11	40	50	27	DC..11T3..	ECST0t	ECST0p	L035	ECST0C	TS15IP	0.41
C50-SDJCR/L-35060-11	50	60	35	DC..11T3..	ECST0t	ECST0p	L035	ECST0C	TS15IP	0.75
C63-SDJCR/L-45065-11	63	65	45	DC..11T3..	ECST0t	ECST0p	L035	ECST0C	TS15IP	1.16

刀片Insert → DA029-029

PSC 外圆车刀-SDNCN
External Turning Tool-SDNCN





1.单位：mm
2.刀片单独订购
3.普通冷却设计，冷却液压力≤10bar

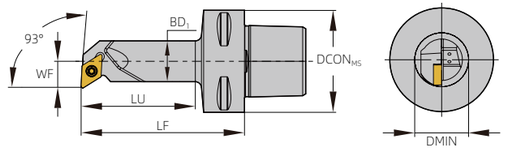
1.Unit：mm
2.Insert ordered separately.
3.Common coolant-through design, coolant pressure ≤ 10 bar.

型号 Specification	DCONMS	LF	WF	MIID	刀垫 Shim	刀垫螺钉 Shim Screw	刀垫扳手 Shim Wrench	刀片螺钉 Insert Screw	刀片扳手 Insert Wrench	WT(kg)
C32-SDNCN-00040-11	32	40	0.5	DC..11T3..	ECST0t	ECST0p	L035	ECST0C	TS15IP	0.20
C40-SDNCN-00050-11	40	50	0.5	DC..11T3..	ECST0t	ECST0p	L035	ECST0C	TS15IP	0.38
C50-SDNCN-00060-11	50	60	0.5	DC..11T3..	ECST0t	ECST0p	L035	ECST0C	TS15IP	0.66

刀片Insert → DA029-029

PSC | 内孔车刀-SDUCR/L-SC
Internal Turning Tool-SDUCR/L-SC





1.单位：mm
2.刀片单独订购
3.精准冷却设计，冷却液压力≤150bar

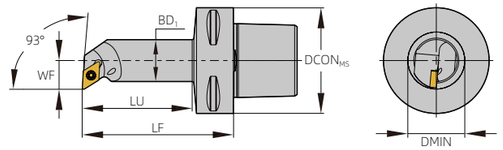
1.Unit：mm
2.Insert ordered separately.
3.Accurate coolant-through design, coolant pressure ≤ 150 bar.

型号 Specification	DCONMS	DMIN	LU	LF	BD1	WF	MIID	刀片螺钉 Insert Screw	刀片扳手 Insert Wrench	WT(kg)
C40-SDUCR/L-13080-07SC	40	25	58	80	20	13	DC..0702	ECST0E	TS08IP	0.41
C40-SDUCR/L-13080-11SC	40	25	58	80	20	13	DC..11T3	ECST0f	TS15IP	0.41
C40-SDUCR/L-17090-11SC	40	32	69	90	25	17	DC..11T3	ECST0f	TS15IP	0.50
C50-SDUCR/L-13080-11SC	50	25	56	80	20	13	DC..11T3	ECST0f	TS15IP	0.60
C50-SDUCR/L-17090-11SC	50	32	67	90	25	17	DC..11T3	ECST0f	TS15IP	0.69

刀片Insert → DA029-029

PSC | 内孔车刀-SDUCR/L
Internal Turning Tool-SDUCR/L





1.单位：mm
2.刀片单独订购
3.普通冷却设计，冷却液压力≤10bar

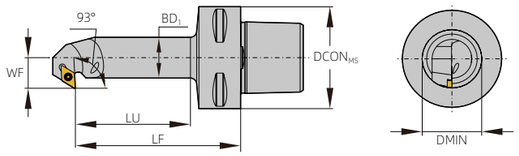
1.Unit：mm
2.Insert ordered separately.
3.Common coolant-through design, coolant pressure ≤ 10 bar.

型号 Specification	DCONMS	DMIN	LU	LF	BD1	WF	MIID	刀垫 Shim	刀垫螺钉 Shim Screw	刀垫扳手 Shim Wrench	刀片螺钉 Insert Screw	刀片扳手 Insert Wrench	WT(kg)
C32-SDUCR/L-11065-07	32	20	48	65	16	11	DC..0702	-	-	-	ECST0E	TS08IP	0.21
C40-SDUCR/L-11070-07	40	20	47	70	16	11	DC..0702	-	-	-	ECST0E	TS08IP	0.36
C50-SDUCR/L-11070-07	50	20	46	70	16	11	DC..0702	-	-	-	ECST0E	TS08IP	0.55
C32-SDUCR/L-13075-11	32	25	58	75	20	13	DC..11T3	-	-	-	ECST0f	TS15IP	0.26
C32-SDUCR/L-17090-11	32	32	73	90	25	17	DC..11T3	-	-	-	ECST0f	TS15IP	0.38
C40-SDUCR/L-13080-11	40	25	57	80	20	13	DC..11T3	-	-	-	ECST0f	TS15IP	0.41
C40-SDUCR/L-17090-11	40	32	68	90	25	17	DC..11T3	-	-	-	ECST0f	TS15IP	0.52
C40-SDUCR/L-22110-11	40	40	89	110	32	22	DC..11T3	ECST0t	ECST0p	L035	ECST0C	TS15IP	0.76
C40-SDUCR/L-27080-11	40	50	60	80	40	27	DC..11T3	ECST0t	ECST0p	L035	ECST0C	TS15IP	0.72
C50-SDUCR/L-13080-11	50	25	56	80	20	13	DC..11T3	-	-	-	ECST0f	TS15IP	0.65
C50-SDUCR/L-17090-11	50	32	67	90	25	17	DC..11T3	-	-	-	ECST0f	TS15IP	0.70
C50-SDUCR/L-22110-11	50	40	88	110	32	22	DC..11T3	ECST0t	ECST0p	L035	ECST0C	TS15IP	0.96
C50-SDUCR/L-35100-11	50	63	80	100	50	35	DC..11T3	ECST0t	ECST0p	L035	ECST0C	TS15IP	1.35

刀片Insert → DA029-029

PSC 内孔车刀-SDUCR/L-X
Internal Turning Tool-SDUCR/L-SC





1.单位：mm
2.刀片单独订购
3.精准冷却设计，冷却液压力≤150bar

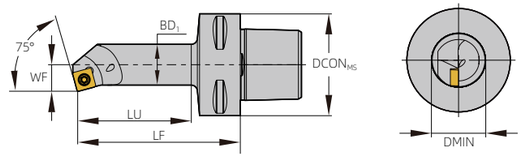
1.Unit：mm
2.Insert ordered separately.
3.Accurate coolant-through design, coolant pressure ≤ 150 bar.

型号 Specification	DCONMS	DMIN	LU	LF	BD1	WF	MIID	刀片螺钉 Insert Screw	刀片扳手 Insert Wrench	WT(kg)
C40-SDUCR/L-13070-07X	40	22	47	70	16	13	DC..0702	ECST0E	TS08IP	0.37
C40-SDUCR/L-15080-07X	40	27	57	80	20	15	DC..0702	ECST0E	TS08IP	0.40
C40-SDUCR/L-18090-07X	40	32	68	90	25	18	DC..0702	ECST0E	TS08IP	0.54
C50-SDUCR/L-18090-07X	50	32	67	90	25	18	DC..0702	ECST0E	TS08IP	0.72
C50-SDUCR/L-15080-07X	50	27	56	80	20	15	DC..0702	ECST0E	TS08IP	0.60

刀片Insert → DA029-029

PSC 内孔车刀-SSKCR/L
Internal Turning Tool-SSKCR/L-SC





1.单位：mm
2.刀片单独订购
3.普通冷却设计，冷却液压力≤10bar

1.Unit：mm
2.Insert ordered separately.
3.Common coolant-through design, coolant pressure ≤ 10 bar.

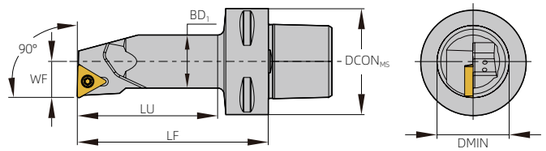
型号 Specification	DCONMS	DMIN	LU	LF	BD1	WF	MIID	刀片螺钉 Insert Screw	刀片扳手 Insert Wrench	WT(kg)
C40-SSKCR/L-13080-09	40	25	58	80	20	13	SC..09T3	ECST0f	TS15IP	0.41
C50-SSKCR/L-13080-09	50	25	56	80	20	13	SC..09T3	ECST0f	TS15IP	0.61

刀片Insert → DA030-030

可转位刀具 Indexable Tool

PSC 内孔车刀-STFCR/L-SC
Internal Turning Tool-STFCR/L-SC





1.单位：mm
2.刀片单独订购
3.精准冷却设计，冷却液压力≤150bar

1.Unit：mm
2.Insert ordered separately.
3.Accurate coolant-through design, coolant pressure ≤ 150 bar.

型号 Specification	DCONMS	DMIN	LU	LF	BD1	WF	MIID	刀垫 Shim	刀垫螺钉 Shim Screw	刀垫扳手 Shim Wrench	刀片螺钉 Insert Screw	刀片扳手 Insert Wrench	WT(kg)
C40-STFCR/L-11070-11SC	40	20	47	70	16	11	TC..1102	-	-	-	ECST0E	TS08IP	0.36
C40-STFCR/L-13080-11SC	40	25	57	80	20	13	TC..1102	-	-	-	ECST0E	TS08IP	0.40
C40-STFCR/L-17090-16SC	40	32	69	90	25	17	TC..16T3	-	-	-	ECST0f	TS15IP	0.51
C50-STFCR/L-17090-16SC	50	32	67	90	25	17	TC..16T3	-	-	-	ECST0f	TS15IP	0.70
C50-STFCR/L-22110-16SC	50	40	88	110	32	22	TC..16T3	ECST2s	ECST0p	L035	ECST0C	TS15IP	0.96

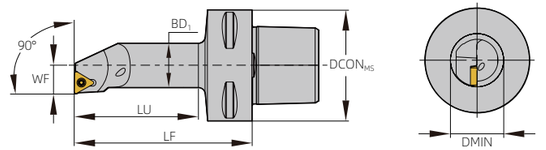
可转位刀具 Indexable Tool

TORKOOL

刀片Insert → DA031-031

PSC 内孔车刀-STFCR/L
Internal Turning Tool-STFCR/L





1.单位：mm
2.刀片单独订购
3.普通冷却设计，冷却液压力≤10bar

1.Unit：mm
2.Insert ordered separately.
3.Common coolant-through design, coolant pressure ≤ 10 bar.

型号 Specification	DCONMS	DMIN	LU	LF	BD1	WF	MIID	刀垫 Shim	刀垫螺钉 Shim Screw	刀垫扳手 Shim Wrench	刀片螺钉 Insert Screw	刀片扳手 Insert Wrench	WT(kg)
C40-STFCR/L-11070-11	40	20	47	70	16	11	TC..1102	-	-	-	ECST0E	TS08IP	0.35
C40-STFCR/L-13080-11	40	25	57	80	20	13	TC..1102	-	-	-	ECST0E	TS08IP	0.40
C50-STFCR/L-11070-11	50	20	46	70	16	11	TC..1102	-	-	-	ECST0E	TS08IP	0.56
C50-STFCR/L-13080-11	50	25	56	80	20	13	TC..1102	-	-	-	ECST0E	TS08IP	0.60
C40-STFCR/L-22110-16	40	40	89	110	32	22	TC..16T3	ECST2s	ECST0p	L035	ECST0C	TS15IP	0.77

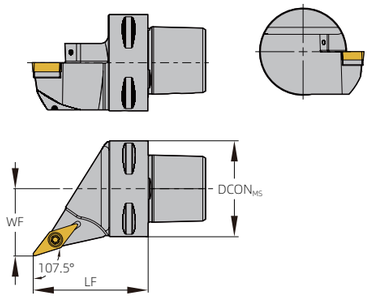
可转位刀具 Indexable Tool

刀片Insert → DA031-031

TORKOOL

PSC 外圆车刀-SVHBR/L-SC
External Turning Tool-SVHVR/L-SC





1.单位：mm
2.刀片单独订购
3.精准冷却设计，冷却液压力≤150bar

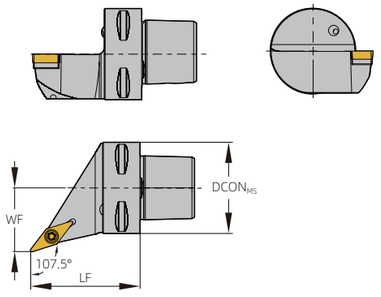
1.Unit：mm
2.Insert ordered separately.
3.Accurate coolant-through design, coolant pressure ≤ 150 bar.

型号 Specification	DCONMS	LF	WF	MIID	刀垫 Shim	刀垫螺钉 Shim Screw	刀垫扳手 Shim Wrench	刀片螺钉 Insert Screw	刀片扳手 Insert Wrench	WT(kg)
C40-SVHBR/L-27050-16SC	40	50	27	VB..1604	ECST0u	ECST0p	L035	ECST0C	TS15IP	0.38
C50-SVHBR/L-35060-16SC	50	60	35	VB..1604	ECST0u	ECST0p	L035	ECST0C	TS15IP	0.70
C63-SVHBR/L-45065-16SC	63	65	45	VB..1604	ECST0u	ECST0p	L035	ECST0C	TS15IP	1.17

刀片Insert → DA032-032

PSC 外圆车刀-SVHBR/L
External Turning Tool-SVHBR/L





1.单位：mm
2.刀片单独订购
3.普通冷却设计，冷却液压力≤10bar

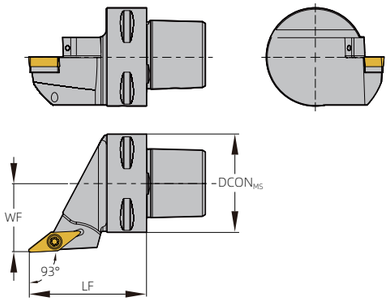
1.Unit：mm
2.Insert ordered separately.
3.Common coolant-through design, coolant pressure ≤ 10 bar.

型号 Specification	DCONMS	LF	WF	MIID	刀垫 Shim	刀垫螺钉 Shim Screw	刀垫扳手 Shim Wrench	刀片螺钉 Insert Screw	刀片扳手 Insert Wrench	WT(kg)
C32-SVHBR/L-22040-11	32	40	22	VB..1103	-	-	-	ECST0i	TS08IP	0.20
C40-SVHBR/L-27050-11	40	50	27	VB..1103	-	-	-	ECST0i	TS08IP	0.40
C50-SVHBR/L-35060-11	50	60	35	VB..1103	-	-	-	ECST0i	TS08IP	0.74
C40-SVHBR/L-27050-16	40	50	27	VB..1604	ECST0u	ECST0p	L035	ECST0C	TS15IP	0.38
C50-SVHBR/L-35060-16	50	60	35	VB..1604	ECST0u	ECST0p	L035	ECST0C	TS15IP	0.70
C63-SVHBR/L-45065-16	63	65	45	VB..1604	ECST0u	ECST0p	L035	ECST0C	TS15IP	1.12

刀片Insert → DA032-032

PSC 外圆车刀-SVJBR/L-SC
External Turning Tool-SVJBR/L-SC





1.单位：mm
2.刀片单独订购
3.精准冷却设计，冷却液压力≤150bar

1.Unit：mm
2.Insert ordered separately.
3.Accurate coolant-through design, coolant pressure ≤ 150 bar.

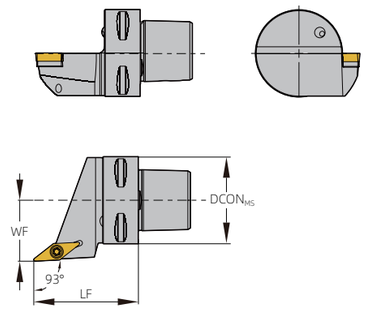
型号 Specification	DCONMS	LF	WF	MIID	刀垫 Shim	刀垫螺钉 Shim Screw	刀垫扳手 Shim Wrench	刀片螺钉 Insert Screw	刀片扳手 Insert Wrench	WT(kg)
C32-SVJBR/L-22040-11SC	32	40	22	VB..1103	-	-	-	ECST0i	TS08IP	0.19
C40-SVJBR/L-27050-11SC	40	50	27	VB..1103	-	-	-	ECST0i	TS08IP	0.38
C40-SVJBR/L-27050-16SC	40	50	27	VB..1604	ECST0u	ECST0p	L035	ECST0C	TS15IP	0.40
C50-SVJBR/L-35060-16SC	50	60	35	VB..1604	ECST0u	ECST0p	L035	ECST0C	TS15IP	0.71
C63-SVJBR/L-45065-16SC	63	65	45	VB..1604	ECST0u	ECST0p	L035	ECST0C	TS15IP	1.27
C80-SVJBR/L-55080-16SC	80	80	55	VB..1604	ECST0u	ECST0p	L035	ECST0C	TS15IP	2.51

可转位刀具 Indexable Tool

刀片Insert → DA032-032

PSC 外圆车刀-SVJBR/L
External Turning Tool-SVJBR/L





1.单位：mm
2.刀片单独订购
3.普通冷却设计，冷却液压力≤10bar

1.Unit：mm
2.Insert ordered separately.
3.Common coolant-through design, coolant pressure ≤ 10 bar.

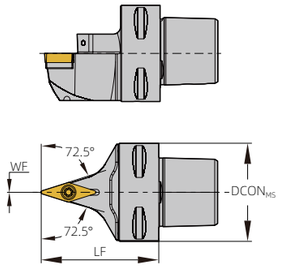
型号 Specification	DCONMS	LF	WF	MIID	刀垫 Shim	刀垫螺钉 Shim Screw	刀垫扳手 Shim Wrench	刀片螺钉 Insert Screw	刀片扳手 Insert Wrench	WT(kg)
C32-SVJBR/L-22040-11	32	40	22	VB..1103	-	-	-	ECST0i	TS08IP	0.20
C40-SVJBR/L-27050-11	40	50	27	VB..1103	-	-	-	ECST0i	TS08IP	0.38
C50-SVJBR/L-35060-11	50	60	35	VB..1103	-	-	-	ECST0i	TS08IP	0.74
C40-SVJBR/L-27050-16	40	50	27	VB..1604	ECST0u	ECST0p	L035	ECST0C	TS15IP	0.35
C50-SVJBR/L-35060-16	50	60	35	VB..1604	ECST0u	ECST0p	L035	ECST0C	TS15IP	0.70
C63-SVJBR/L-45065-16	63	65	45	VB..1604	ECST0u	ECST0p	L035	ECST0C	TS15IP	1.11

可转位刀具 Indexable Tool

刀片Insert → DA032-032

PSC 外圆车刀-SVVBN-SC
External Turning Tool-SVVBN-SC





1.单位：mm
2.刀片单独订购
3.精准冷却设计，冷却液压力≤150bar

1.Unit：mm
2.Insert ordered separately.
3.Accurate coolant-through design, coolant pressure ≤ 150 bar.

型号 Specification	DCONMS	LF	WF	MIID	刀垫 Shim	刀垫螺钉 Shim Screw	刀垫扳手 Shim Wrench	刀片螺钉 Insert Screw	刀片扳手 Insert Wrench	WT(kg)
C40-SVVBN-00055-16SC	40	55	0.6	VB..1604	ECST0u	ECST0p	L035	ECST0C	TS15IP	0.38
C50-SVVBN-00060-16SC	50	60	0.6	VB..1604	ECST0u	ECST0p	L035	ECST0C	TS15IP	0.60
C63-SVVBN-00065-16SC	63	65	0.6	VB..1604	ECST0u	ECST0p	L035	ECST0C	TS15IP	0.99

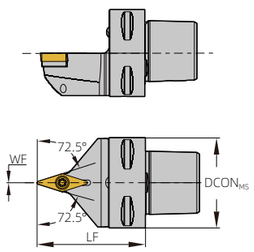
可转位刀具 Indexable Tool

TORKOOL

刀片Insert → DA032-032

PSC 外圆车刀-SVVBN
External Turning Tool-SVVBN





1.单位：mm
2.刀片单独订购
3.普通冷却设计，冷却液压力≤10bar

1.Unit：mm
2.Insert ordered separately.
3.Common coolant-through design, coolant pressure ≤ 10 bar.

型号 Specification	DCONMS	LF	WF	MIID	刀垫 Shim	刀垫螺钉 Shim Screw	刀垫扳手 Shim Wrench	刀片螺钉 Insert Screw	刀片扳手 Insert Wrench	WT(kg)
C40-SVVBN-00050-16	40	50	0.6	VB..1604	ECST0u	ECST0p	L035	ECST0C	TS15IP	0.36
C50-SVVBN-00060-16	50	60	0.6	VB..1604	ECST0u	ECST0p	L035	ECST0C	TS15IP	0.56
C63-SVVBN-00065-16	63	65	0.6	VB..1604	ECST0u	ECST0p	L035	ECST0C	TS15IP	1.00

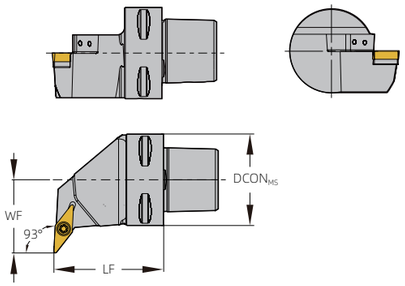
可转位刀具 Indexable Tool

刀片Insert → DA032-032

TORKOOL

PSC | 外圆车刀-SVUBR/L-SC
External Turning Tool-SVUBR/L-SC





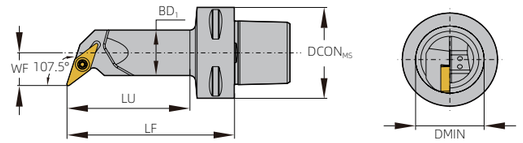
1.单位：mm
2.刀片单独订购
3.精准冷却设计，冷却液压力≤150bar

1.Unit：mm
2.Insert ordered separately.
3.Accurate coolant-through design, coolant pressure ≤ 150 bar.

型号 Specification	DCONMS	LF	WF	MIID	刀垫 Shim	刀垫螺钉 Shim Screw	刀垫扳手 Shim Wrench	刀片螺钉 Insert Screw	刀片扳手 Insert Wrench	WT(kg)
C63-SVUBR/L-45065-16SC	63	65	45	VB..1604	ECST0u	ECST0p	L035	ECST0C	TS15IP	1.41
C80-SVUBR/L-55080-16SC	80	80	55	VB..1604	ECST0u	ECST0p	L035	ECST0C	TS15IP	2.79

PSC | 内孔车刀-SVQBR/L-SC
Internal Turning Tool-SVQBR/L-SC





1.单位：mm
2.刀片单独订购
3.精准冷却设计，冷却液压力≤150bar

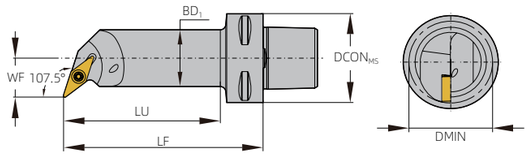
1.Unit：mm
2.Insert ordered separately.
3.Accurate coolant-through design, coolant pressure ≤ 150 bar.

型号 Specification	DCONMS	DMIN	LU	LF	BD1	WF	MIID	刀垫 Shim	刀垫螺钉 Shim Screw	刀垫扳手 Shim Wrench	刀片螺钉 Insert Screw	刀片扳手 Insert Wrench	WT(kg)
C40-SVQBR/L-13070-11SC	40	25	47	70	20	13	VB..1103	-	-	-	ECST0i	TS08IP	0.38
C40-SVQBR/L-18090-16SC	40	33	68	90	25	18	VB..1604	-	-	-	ECST0f	TS15IP	0.48
C50-SVQBR/L-18090-16SC	50	33	67	90	25	18	VB..1604	-	-	-	ECST0f	TS15IP	0.68
C63-SVQBR/L-22120-16SC	63	40	94	120	32	22	VB..1604	ECST0u	ECST0p	L035	ECST0C	TS15IP	1.36

车刀体 Turning Holder

PSC 内孔车刀-SVQBR/L
Internal Turning Tool-SVQBR/L





1.单位：mm
2.刀片单独订购
3.普通冷却设计，冷却液压力≤10bar

1.Unit：mm
2.Insert ordered separately.
3.Common coolant-through design, coolant pressure ≤ 10 bar.

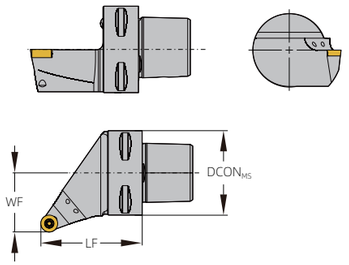
型号 Specification	DCONMS	DMIN	LU	LF	BD1	WF	MIID	刀垫 Shim	刀垫螺钉 Shim Screw	刀垫扳手 Shim Wrench	刀片螺钉 Insert Screw	刀片扳手 Insert Wrench	WT(kg)
C40-SVQBR/L-13070-11	40	25	48	70	20	13	VB..1103	-	-	-	ECST0i	TS08IP	0.38
C40-SVQBR/L-15080-11	40	27	58	80	20	15	VB..1103	-	-	-	ECST0i	TS08IP	0.40
C50-SVQBR/L-15080-11	50	27	56	80	20	15	VB..1103	-	-	-	ECST0i	TS08IP	0.65
C40-SVQBR/L-18090-16	40	33	68	90	25	18	VB..1604	-	-	-	ECST0f	TS15IP	0.50
C40-SVQBR/L-22110-16	40	40	89	110	32	22	VB..1604	ECST0u	ECST0p	L035	ECST0C	TS15IP	0.73
C40-SVQBR/L-27120-16	40	50	100	120	40	27	VB..1604	ECST0u	ECST0p	L035	ECST0C	TS15IP	0.99
C50-SVQBR/L-18090-16	50	33	67	90	25	18	VB..1604	-	-	-	ECST0f	TS15IP	0.68
C50-SVQBR/L-22110-16	50	40	88	110	32	22	VB..1604	ECST0u	ECST0p	L035	ECST0C	TS15IP	0.93
C50-SVQBR/L-27140-16	50	50	119	140	40	27	VB..1604	ECST0u	ECST0p	L035	ECST0C	TS15IP	1.38
C50-SVQBR/L-35150-16	50	63	130	150	50	35	VB..1604	ECST0u	ECST0p	L035	ECST0C	TS15IP	2.01
C63-SVQBR/L-27145-16	63	50	120	145	40	27	VB..1604	ECST0u	ECST0p	L035	ECST0C	TS15IP	1.76
C63-SVQBR/L-35175-16	63	63	151	175	50	35	VB..1604	ECST0u	ECST0p	L035	ECST0C	TS15IP	2.89

刀片Insert → DA032-032

车刀体 Turning Holder

PSC 外圆车刀-SRSCR/L-SC
External Turning Tool-SRSCR/L-SC





1.单位：mm
2.刀片单独订购
3.精准冷却设计，冷却液压力≤150bar

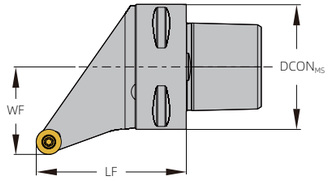
1.Unit：mm
2.Insert ordered separately.
3.Accurate coolant-through design, coolant pressure ≤ 150 bar.

型号 Specification	DCONMS	LF	WF	MIID	刀片螺钉 Insert Screw	刀片扳手 Insert Wrench	WT(kg)
C50-SRSCR/L-35060-10SC	50	60	35	RC..1003M0	ECST0f	TS15IP	0.70
C63-SRSCR/L-45065-10SC	63	65	45	RC..1003M0	ECST0f	TS15IP	1.22
C50-SRSCR/L-35060-12SC	50	60	35	RC..1204M0	ECST0g	TS15IP	0.70
C63-SRSCR/L-45065-12SC	63	65	45	RC..1204M0	ECST0g	TS15IP	1.37
C50-SRSCR/L-35060-16SC	50	60	35	RC..1606M0	ECST0h	TS15IP	0.70
C63-SRSCR/L-45065-16SC	63	65	45	RC..1606M0	ECST0h	TS15IP	1.25

刀片Insert → DA032-032

PSC 外圆车刀-SRSCR/L
External Turning Tool-SRSCR/L





1.单位：mm
2.刀片单独订购
3.普通冷却设计，冷却液压力≤10bar

1.Unit：mm
2.Insert ordered separately.
3.Common coolant-through design, coolant pressure ≤ 10 bar.

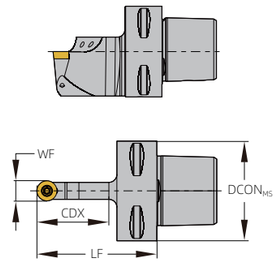
型号 Specification	DCONMS	LF	WF	MIID	刀片螺钉 Insert Screw	刀片扳手 Insert Wrench	WT(kg)
C32-SRSCR/L-22040-10	32	40	22	RC..1003M0	ECST0f	TS15IP	0.22
C40-SRSCR/L-27050-10	40	50	27	RC..1003M0	ECST0f	TS15IP	0.41
C50-SRSCR/L-35060-10	50	60	35	RC..1003M0	ECST0f	TS15IP	0.75
C63-SRSCR/L-45065-10	63	65	45	RC..1003M0	ECST0f	TS15IP	1.20
C40-SRSCR/L-27050-12	40	50	27	RC..1204M0	ECST0g	TS15IP	0.40
C50-SRSCR/L-35060-12	50	60	35	RC..1204M0	ECST0g	TS15IP	0.75
C63-SRSCR/L-45065-12	63	65	45	RC..1204M0	ECST0g	TS15IP	1.24
C50-SRSCR/L-35060-16	50	60	35	RC..1606M0	ECST0h	TS15IP	0.70
C63-SRSCR/L-45065-16	63	65	45	RC..1606M0	ECST0h	TS15IP	1.27

刀片Insert → DA032-032

车刀体 Turning Holder

PSC 外圆车刀-SRDCN-SC
External Turning Tool-SRDCN-SC





1.单位：mm
2.刀片单独订购
3.精准冷却设计，冷却液压力≤150bar

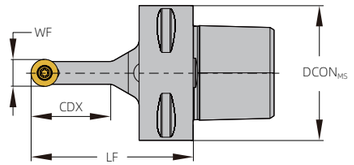
1.Unit：mm
2.Insert ordered separately.
3.Accurate coolant-through design, coolant pressure ≤ 150 bar.

型号 Specification	DCONMS	CDX	LF	WF	MIID	刀片螺钉 Insert Screw	刀片扳手 Insert Wrench	WT(kg)
C50-SRDCN-00060-10SC	50	25	60	5	RC..1003M0	ECST0f	TS15IP	0.70
C40-SRDCN-00050-12SC	40	28	50	6	RC..1204M0	ECST0g	TS15IP	0.34
C50-SRDCN-00060-12SC	50	28	60	6	RC..1204M0	ECST0g	TS15IP	0.63
C63-SRDCN-00065-12SC	63	28	65	6	RC..1204M0	ECST0g	TS15IP	1.05
C63-SRDCN-00065-16SC	63	35	65	8	RC..1606M0	ECST0h	TS20IP	1.04

刀片Insert → DA032-032

PSC 外圆车刀-SRDCN
External Turning Tool-SRDCN





1.单位：mm
2.刀片单独订购
3.普通冷却设计，冷却液压力≤10bar

1.Unit：mm
2.Insert ordered separately.
3.Common coolant-through design, coolant pressure ≤ 10 bar.

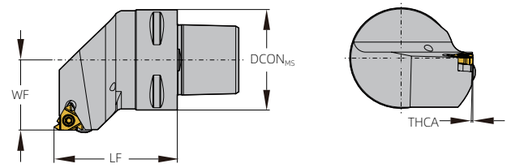
型号 Specification	DCONMS	CDX	LF	WF	MIID	刀片螺钉 Insert Screw	刀片扳手 Insert Wrench	WT(kg)
C40-SRDCN-00050-10	40	25	50	5	RC..1003M0	ECST0f	TS15IP	0.33
C50-SRDCN-00060-10	50	25	60	5	RC..1003M0	ECST0f	TS15IP	0.62
C63-SRDCN-00065-10	63	25	65	5	RC..1003M0	ECST0f	TS15IP	1.09
C40-SRDCN-00050-12	40	28	50	6	RC..1204M0	ECST0g	TS15IP	0.33
C50-SRDCN-00060-12	50	28	60	6	RC..1204M0	ECST0g	TS15IP	0.62
C63-SRDCN-00065-12	63	28	65	6	RC..1204M0	ECST0g	TS15IP	1.07
C50-SRDCN-00060-16	50	35	60	8	RC..1606M0	ECST0h	TS15IP	0.59
C63-SRDCN-00065-16	63	35	65	8	RC..1606M0	ECST0h	TS15IP	1.03

可转位刀具 Indexable Tool

刀片Insert → DA032-032

PSC 外螺纹车刀-SER/L
External treading Turning Tool-SER/L





1.单位：mm
2.刀片单独订购
3.普通冷却设计，冷却液压力≤10bar

1.Unit：mm
2.Insert ordered separately.
3.Common coolant-through design, coolant pressure ≤ 10 bar.

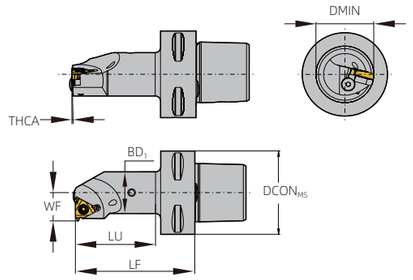
型号 Specification	DCONMS	LF	WF	THCA	MIID	刀垫 Shim	刀垫螺钉 Shim Screw	压板扳手 Clamp Wrench	刀片螺钉 Insert Screw	刀片扳手 Insert Wrench	WT(kg)
C32-SER/L-22040-16	32	40	22	1.5°	16ER/L	ECST1r	ECST1t	L025	ECST0C	TS15IP	0.23
C40-SER/L-27050-16	40	50	27	1.5°	16ER/L	ECST1r	ECST1t	L025	ECST0C	TS15IP	0.46
C50-SER/L-35060-16	50	60	35	1.5°	16ER/L	ECST1r	ECST1t	L025	ECST0C	TS15IP	0.77
C63-SER/L-45065-16	63	65	45	1.5°	16ER/L	ECST1r	ECST1t	L025	ECST0C	TS15IP	1.29
C80-SER/L-55080-16	80	80	55	1.5°	16ER/L	ECST1r	ECST1t	L025	ECST0C	TS15IP	2.51
C40-SER/L-27050-22	40	50	27	1.5°	22ER/L	ECST1s	ECST1t	L025	ECST0o	TS15IP	0.42
C50-SER/L-35060-22	50	60	35	1.5°	22ER/L	ECST1s	ECST1t	L025	ECST0o	TS15IP	0.77
C63-SER/L-45065-22	63	65	45	1.5°	22ER/L	ECST1s	ECST1t	L025	ECST0o	TS15IP	1.31
C80-SER/L-55080-22	80	80	55	1.5°	22ER/L	ECST1s	ECST1t	L025	ECST0o	TS15IP	2.54

可转位刀具 Indexable Tool

刀片Insert → DC007-015

PSC 内螺纹车刀-SNR/L
Internal treading Turning Tool-SNR/L





1.单位：mm
2.刀片单独订购
3.普通冷却设计，冷却液压力≤10bar

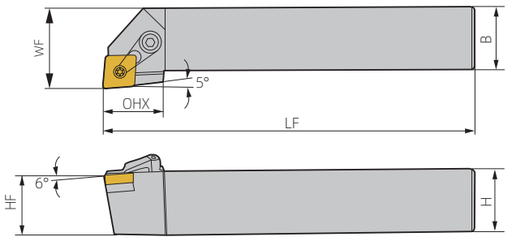
1.Unit：mm
2.Insert ordered separately.
3.Common coolant-through design, coolant pressure ≤ 10 bar.

型号 Specification	DCONMS	DMIN	BD1	LF	LU	WF	THCA	MIID	刀垫 Shim	刀垫螺钉 Shim Screw	刀垫扳手 Shim Wrench	刀片螺钉 Insert Screw	刀片扳手 Insert Wrench	WT (kg)
C32-SNR/L-14060-16	32	25	20	60	44	14	1.5°	16NR/L	-	-	-	ECST0f	TS15IP	0.24
C40-SNR/L-14060-16	40	25	20	60	38	14	1.5°	16NR/L	-	-	-	ECST0f	TS15IP	0.38
C40-SNR/L-17070-16	40	32	25	70	48	17	1.5°	16NR/L	ECST1r	ECST1t	L025	ECST0C	TS15IP	0.45
C40-SNR/L-22090-16	40	40	32	90	69	22	1.5°	16NR/L	ECST1r	ECST1t	L025	ECST0C	TS15IP	0.67
C50-SNR/L-14060-16	50	25	20	60	36	14	1.5°	16NR/L	-	-	-	ECST0f	TS15IP	0.57
C50-SNR/L-17070-16	50	32	25	70	47	17	1.5°	16NR/L	ECST1r	ECST1t	L025	ECST0C	TS15IP	0.64
C50-SNR/L-22090-16	50	40	32	90	68	22	1.5°	16NR/L	ECST1r	ECST1t	L025	ECST0C	TS15IP	0.86
C50-SNR/L-27105-16	50	50	40	105	84	27	1.5°	16NR/L	ECST1r	ECST1t	L025	ECST0C	TS15IP	1.21
C63-SNR/L-14070-16	63	25	20	70	42	14	1.5°	16NR/L	-	-	-	ECST0f	TS15IP	0.96
C63-SNR/L-17075-16	63	32	25	75	48	17	1.5°	16NR/L	ECST1r	ECST1t	L025	ECST0C	TS15IP	1.02
C63-SNR/L-22090-16	63	40	32	90	64	22	1.5°	16NR/L	ECST1r	ECST1t	L025	ECST0C	TS15IP	1.24
C63-SNR/L-27105-16	63	50	40	105	80	27	1.5°	16NR/L	ECST1r	ECST1t	L025	ECST0C	TS15IP	1.56
C40-SNR/L-19070-22	40	32	25	70	48	19	1.5°	22NR/L	ECST1s	ECST1t	L025	ECST0o	TS15IP	0.44
C40-SNR/L-22090-22	40	40	32	90	69	22	1.5°	22NR/L	ECST1s	ECST1t	L025	ECST0o	TS15IP	0.65
C40-SNR/L-27080-22	40	50	40	80	60	27	1.5°	22NR/L	ECST1s	ECST1t	L025	ECST0o	TS15IP	0.75
C50-SNR/L-27105-22	50	50	40	105	84	27	1.5°	22NR/L	ECST1s	ECST1t	L025	ECST0o	TS15IP	1.19
C50-SNR/L-19070-22	50	32	25	70	47	19	1.5°	22NR/L	ECST1s	ECST1t	L025	ECST0o	TS15IP	0.63
C50-SNR/L-22090-22	50	40	32	90	68	22	1.5°	22NR/L	ECST1s	ECST1t	L025	ECST0o	TS15IP	0.84
C63-SNR/L-27105-22	63	50	40	105	80	27	1.5°	22NR/L	ECST1s	ECST1t	L025	ECST0o	TS15IP	1.53
C63-SNR/L-19075-22	63	32	25	75	48	19	1.5°	22NR/L	ECST1s	ECST1t	L025	ECST0o	TS15IP	1.01
C63-SNR/L-22090-22	63	40	32	90	64	22	1.5°	22NR/L	ECST1s	ECST1t	L025	ECST0o	TS15IP	1.21

刀片Insert → DC007-015

外圆车刀-MCLNR/L
External Turning Tool-MCLNR/L





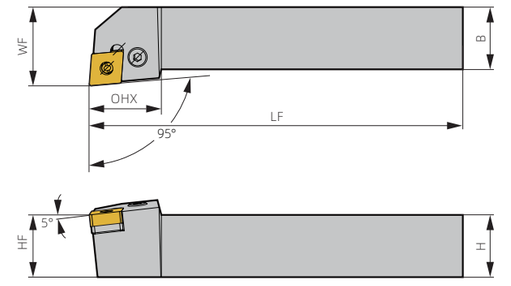
1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

型号 Specification	H	B	LF	HF	WF	OHX	MIID	压板螺钉 Clamping Screw	刀垫 Shim	扳手 Wrench	压板 Clamp	刀垫螺钉 Shim Screw
MCLNR/L2020K12	20	20	125	20	25	28	CN..1204..	DFDS03	DFDS1g	L030	DFDS2p	DFDS13
MCLNR/L2525M12	25	25	150	25	32	32	CN..1204..	DFDS01	DFDS1g	L030	DFDS2p	DFDS13
MCLNR/L3232P12	32	32	170	32	39	32	CN..1204..	DFDS01	DFDS1g	L030	DFDS2p	DFDS13
MCLNR/L2525M16	25	25	150	25	32	38	CN..1606..	DFDS01	DFDS1h	L030	DFDS2q	DFDS15
MCLNR/L3232P16	32	32	170	32	40	38	CN..1606..	DFDS01	DFDS1h	L030	DFDS2q	DFDS15
MCLNR/L3232P19	32	32	170	32	40	43	CN..1906..	DFDS01	DFDS1i	L040	DFDS2r	DFDS16
MCLNR/L4040R19	40	40	200	40	50	43	CN..1906..	DFDS01	DFDS1i	L040	DFDS2r	DFDS16

外圆车刀-PCLNR/L
External Turning Tool-PCLNR/L





1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

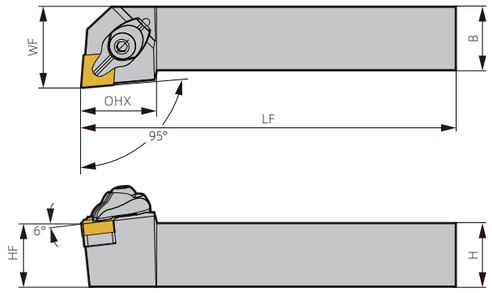
型号 Specification	H	B	LF	HF	WF	OHX	MIID	螺钉 Screw	刀垫 Shim	扳手 Wrench	杠杆 Lever	垫片销 Shim Pin
PCLNR/L2020K12	20	20	125	20	26	28	CN..1204..	DFDS0c	DFDS1w	L030	DFDS35	DFDS3k
PCLNR/L2525M12	25	25	150	25	32	28	CN..1204..	DFDS0c	DFDS1w	L030	DFDS35	DFDS3k
PCLNR/L3232P12	32	32	170	32	39	32	CN..1204..	DFDS0c	DFDS1w	L030	DFDS35	DFDS3k
PCLNR/L2525M16	25	25	150	25	32	36	CN..1606..	DFDS0d	DFDS1x	L030	DFDS36	DFDS3L
PCLNR/L3232P16	32	32	170	32	39	36	CN..1606..	DFDS0d	DFDS1x	L030	DFDS36	DFDS3L
PCLNR/L3232P19	32	32	170	32	40	40	CN..1906..	DFDS09	DFDS1y	L040	DFDS37	DFDS3m
PCLNR/L4040S19	40	40	250	40	49	40	CN..1906..	DFDS09	DFDS1y	L040	DFDS37	DFDS3m
PCLNR/L4040S2507	40	40	250	40	50	47	CN..2507..	DFDS0b	DFDS1z	L050	DFDS38	DFDS3n
PCLNR/L4040S2509	40	40	250	40	50	47	CN..2509..	DFDS0b	DFDS1z	L050	DFDS38	DFDS3n

刀片Insert → DA015-017

车刀体 Turning Holder

外圆车刀-DCLNR/L
External Turning Tool-DCLNR/L





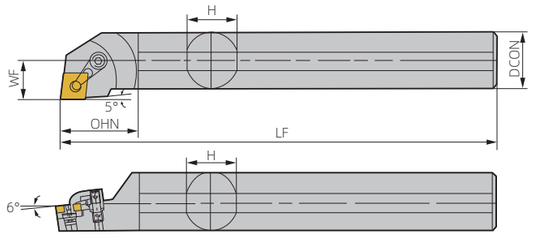
1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

型号 Specification	H	B	LF	HF	WF	OHX	MIID	刀垫 Shim	扳手 Wrench	压板 Clamp	压板螺钉 Clamping Screw	螺钉 Screw
DCLNR/L2020K12	20	20	125	20	27	32	CN..1204..	DFDS1g	L040，L030	DFDS2u	DFDSh	DFDS1b
DCLNR/L2525M12	25	25	150	25	32	30	CN..1204..	DFDS1g	L040，L030	DFDS2u	DFDSh	DFDS1b
DCLNR/L3232P12	32	32	170	32	39	30	CN..1204..	DFDS1g	L040，L030	DFDS2u	DFDSh	DFDS1b

内孔车刀-MCLNR/L
Internal Turning Tool-MCLNR/L





1.单位：mm
2.刀片单独订购

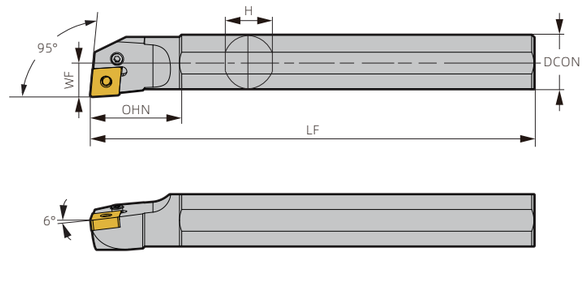
1.Unit：mm
2.Insert ordered separately.

型号 Specification	DMIN	DCON	H	LF	WF	OHN	MIID	刀垫 Shim	刀垫螺钉 Shim Screw	压板 Clamp	压板螺钉 Clamping Screw	扳手 Wrench
S20Q-MCLNR/L12	26	20	18	180	13	40	CN..1204..	-	DFDS1a	DFDS2o	DFDS05	L020,L030
S25R-MCLNR/L12	32	25	23	200	16	40	CN..1204..	-	DFDS1a	DFDS2p	DFDS03	L030
S32S-MCLNR/L12	40	32	30	250	20	50	CN..1204..	DFDS1g	DFDS13	DFDS2p	DFDS03	L030
S40T-MCLNR/L12	50	40	37	300	26	55	CN..1204..	DFDS1g	DFDS13	DFDS2p	DFDS03	L030
S50U-MCLNR/L12	60	50	46	350	31	70	CN..1204..	DFDS1g	DFDS13	DFDS2p	DFDS03	L030

刀片Insert → DA015-017

内孔车刀-PCLNR/L
Internal Turning Tool-PCLNR/L





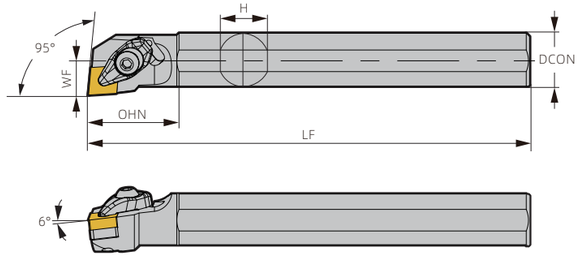
1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

型号 Specification	DMIN	DCON	H	LF	WF	OHN	MIID	螺钉 Screw	扳手 Wrench	杠杆 Lever	刀垫 Shim	垫片销 Shim Pin
S20Q-PCLNR/L12	25	20	18	180	13	35	CN..1204..	DFDS06	L025	DFDS3f	-	-
S25R-PCLNR/L12	32	25	23	200	15	40	CN..1204..	DFDS06	L025	DFDS3f	-	-
S32S-PCLNR/L12	44	32	30	250	22	50	CN..1204..	DFDS0c	L030	DFDS35	DFDS1w	DFDS3k
S40T-PCLNR/L12	54	40	37	300	24	55	CN..1204..	DFDS0c	L030	DFDS35	DFDS1w	DFDS3k
S50U-PCLNR/L12	63	50	47	350	27	58	CN..1204..	DFDS0c	L030	DFDS35	DFDS1w	DFDS3k
S50U-PCLNR/L19	63	50	47	350	32	70	CN..1906..	DFDS09	L040	DFDS37	DFDS1y	DFDS3m

内孔车刀-DCLNR/L
Internal Turning Tool-DCLNR/L





1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

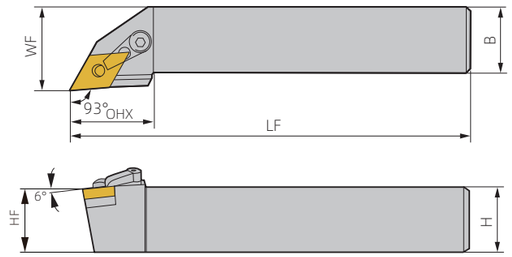
型号 Specification	DMIN	DCON	H	LF	WF	OHN	MIID	刀垫 Shim	扳手 Wrench	压板 Clamp	螺钉 Screw	刀垫螺钉 Shim Screw
S25R-DCLNR/L12	32	25	23	200	17	45	CN..1204..	DFDS1f	L030,Q15	DFDS2y	DFDS0i	DFDS0n
S32S-DCLNR/L12	40	32	30	250	21	45	CN..1204..	DFDS1g	L040,L030	DFDS2u	DFDS0h	DFDS1b
S40T-DCLNR/L12	50	40	37	300	25	50	CN..1204..	DFDS1g	L040,L030	DFDS2u	DFDS0h	DFDS1b
S50U-DCLNR/L12	60	50	47	350	32	55	CN..1204..	DFDS1g	L040,L030	DFDS2u	DFDS0h	DFDS1b

刀片Insert → DA015-017

车刀体 Turning Holder

外圆车刀-MDJNR/L
External Turning Tool-SVUBR/L-SC





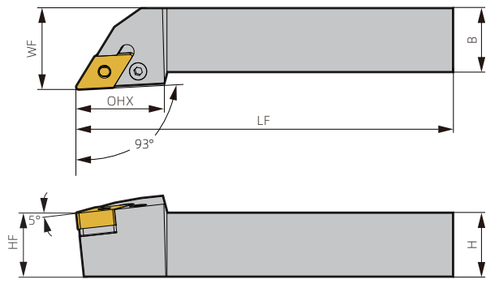
1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

型号 Specification	H	B	LF	HF	WF	OHX	MIID	压板螺钉 Clamping Screw	刀垫 Shim	扳手 Wrench	压板 Clamp	刀垫螺钉 Shim Screw
MDJNR/L2020K11	20	20	125	20	25	32	DN..1104..	DFDS03	DFDS1j	L020,L030	DFDS2p	DFDS19
MDJNR/L2525M11	25	25	150	25	32	32	DN..1104..	DFDS01	DFDS1j	L020,L030	DFDS2p	DFDS19
MDJNR/L2020K1504	20	20	125	20	25	36	DN..1504..	DFDS03	DFDS1k	L030	DFDS2q	DFDS13
MDJNR/L2525M1504	25	25	150	25	32	38	DN..1504..	DFDS01	DFDS1k	L030	DFDS2q	DFDS13
MDJNR/L3232P1504	32	32	170	32	40	38	DN..1504..	DFDS01	DFDS1k	L030	DFDS2q	DFDS13
MDJNR/L2020K1506	20	20	125	20	25	36	DN..1506..	DFDS03	DFDS1k	L030	DFDS2q	DFDS14
MDJNR/L2525M1506	25	25	150	25	32	38	DN..1506..	DFDS01	DFDS1k	L030	DFDS2q	DFDS14
MDJNR/L3232P1506	32	32	170	32	40	38	DN..1506..	DFDS01	DFDS1k	L030	DFDS2q	DFDS14
MDJNR/L4040R1506	40	40	200	40	48	40	DN..1506..	DFDS01	DFDS1k	L030	DFDS2q	DFDS14

外圆车刀-PDJNR/L
External Turning Tool-PDJNR/L





1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

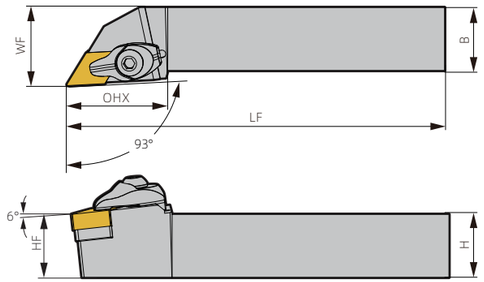
型号 Specification	H	B	LF	HF	WF	OHX	MIID	螺钉 Screw	刀垫 Shim	扳手 Wrench	杠杆 Lever	垫片销 Shim Pin
PDJNR/L2020K11	20	20	125	20	25	25	DN..1104..	DFDS06	DFDS20	L025	DFDS34	DFDS3j
PDJNR/L2525M11	25	25	150	25	30	30	DN..1104..	DFDS06	DFDS20	L025	DFDS34	DFDS3j
PDJNR/L2020K1506	20	20	125	20	25	32	DN..1506..	DFDS0d	DFDS21	L030	DFDS39	DFDS3k
PDJNR/L2525M1506	25	25	150	25	32	35	DN..1506..	DFDS0d	DFDS21	L030	DFDS39	DFDS3k
PDJNR/L3232P1506	32	32	170	32	38	35	DN..1506..	DFDS0d	DFDS21	L030	DFDS39	DFDS3k
PDJNR/L2020K1504	20	20	125	20	25	35	DN..1504..	DFDS0c	DFDS21	L030	DFDS35	DFDS3k
PDJNR/L2525M1504	25	25	150	52	32	35	DN..1504..	DFDS0c	DFDS21	L030	DFDS35	DFDS3k
PDJNR/L3232P1504	32	32	170	32	38	35	DN..1504..	DFDS0c	DFDS21	L030	DFDS35	DFDS3k

刀片Insert → DA018-019

车刀体 Turning Holder

外圆车刀-DDJNR/L
External Turning Tool-DDJNR/L





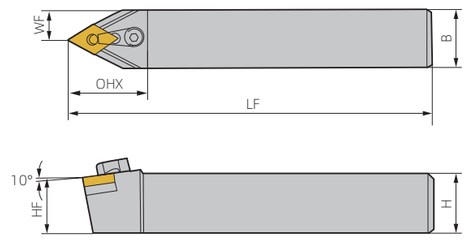
1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

型号 Specification	H	B	LF	HF	WF	OHX	MIID	刀垫 Shim	扳手 Wrench	压板 Clamp	压板螺钉 Clamping Screw	螺钉 Screw
DDJNR/L2020K11	20	20	125	20	25	32	DN..1104..	DFDS1j	L030	DFDS2v	DFDS0i	DFDS1c
DDJNR/L2525M11	25	25	150	25	30	32	DN..1104..	DFDS1j	L030	DFDS2v	DFDS0i	DFDS1c
DDJNR/L2020K1504	20	20	125	20	25	40	DN..1504..	DFDS1k	L040,L030	DFDS2u	DFDS0h	DFDS1b
DDJNR/L2525M1504	25	25	150	25	31	40	DN..1504..	DFDS1k	L040,L030	DFDS2u	DFDS0h	DFDS1b
DDJNR/L3232P1504	32	32	170	32	39	40	DN..1504..	DFDS1k	L040,L030	DFDS2u	DFDS0h	DFDS1b
DDJNR/L2020K1506	20	20	125	20	25	40	DN..1506..	DFDS1k	L040,L030	DFDS2u	DFDS0h	DFDS1b
DDJNR/L2525M1506	25	25	150	25	31	40	DN..1506..	DFDS1k	L040,L030	DFDS2u	DFDS0h	DFDS1b
DDJNR/L3232P1506	32	32	170	32	39	40	DN..1506..	DFDS1k	L040,L030	DFDS2u	DFDS0h	DFDS1b

外圆车刀-MDPNN
External Turning Tool-MDPNN





1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

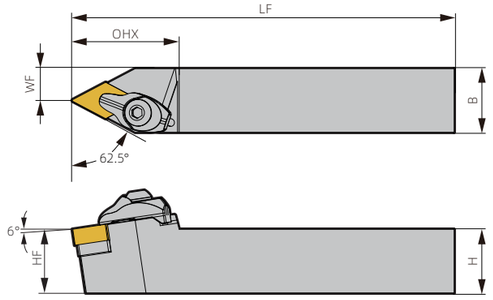
型号 Specification	H	B	LF	HF	WF	OHX	MIID	压板螺钉 Clamping Screw	刀垫 Shim	扳手 Wrench	压板 Clamp	刀垫螺钉 Shim Screw
MDPNN2020K11	20	20	125	20	10.0	34	DN..1104..	DFDS03	DFDS1j	L020,L030	DFDS2p	DFDS19
MDPNN2525M11	25	25	150	25	12.5	36	DN..1104..	DFDS01	DFDS1j	L020,L030	DFDS2p	DFDS19
MDPNN2020K1504	20	20	125	20	10.0	42	DN..1504..	DFDS03	DFDS1k	L030	DFDS2q	DFDS13
MDPNN2525M1504	25	25	150	25	12.5	42	DN..1504..	DFDS01	DFDS1k	L030	DFDS2q	DFDS13
MDPNN3232P1504	32	32	170	32	16.0	42	DN..1504..	DFDS01	DFDS1k	L030	DFDS2q	DFDS13
MDPNN2020K1506	20	20	125	20	10.0	42	DN..1506..	DFDS03	DFDS1k	L030	DFDS2q	DFDS14
MDPNN2525M1506	25	25	150	25	12.5	42	DN..1506..	DFDS01	DFDS1k	L030	DFDS2q	DFDS14
MDPNN3232P1506	32	32	170	32	16.0	42	DN..1506..	DFDS01	DFDS1k	L030	DFDS2q	DFDS14

刀片Insert → DA018-019

车刀体 Turning Holder

外圆车刀-DDPNN
External Turning Tool-DDPNN





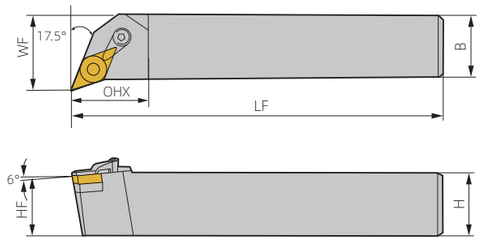
1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

型号 Specification	H	B	LF	HF	WF	OHX	MIID	刀垫 Shim	扳手 Wrench	压板 Clamp	压板螺钉 Clamping Screw	螺钉 Screw
DDPNN2020K11	20	20	125	20	10.0	32	DN..1104..	DFDS1j	L030	DFDS2v	DFDS0i	DFDS1c
DDPNN2525M11	25	25	150	25	12.5	36	DN..1104..	DFDS1j	L030	DFDS2v	DFDS0i	DFDS1c
DDPNN2020K1504	20	20	125	20	10.0	36	DN..1504..	DFDS1k	L040,L030	DFDS2u	DFDS0h	DFDS1b
DDPNN2525M1504	25	25	150	25	12.5	36	DN..1504..	DFDS1k	L040,L030	DFDS2u	DFDS0h	DFDS1b
DDPNN3232P1504	32	32	170	32	16.0	36	DN..1504..	DFDS1k	L040,L030	DFDS2u	DFDS0h	DFDS1b
DDPNN2020K1506	20	20	125	20	10.0	36	DN..1506..	DFDS1k	L040,L030	DFDS2u	DFDS0h	DFDS1b
DDPNN2525M1506	25	25	150	25	12.5	36	DN..1506..	DFDS1k	L040,L030	DFDS2u	DFDS0h	DFDS1b
DDPNN3232P1506	32	32	170	32	16.0	36	DN..1506..	DFDS1k	L040,L030	DFDS2u	DFDS0h	DFDS1b

外圆车刀-MDQNR/L
External Turning Tool-MDQNR/L





1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

型号 Specification	H	B	LF	HF	WF	OHX	MIID	压板螺钉 Clamping Screw	刀垫 Shim	扳手 Wrench	压板 Clamp	刀垫螺钉 Shim Screw
MDQNR/L2020K11	20	20	125	20	25	32	DN..1104..	DFDS03	DFDS1j	L020,L030	DFDS2p	DFDS19
MDQNR/L2525M11	25	25	150	25	30	30	DN..1104..	DFDS01	DFDS1j	L020,L030	DFDS2p	DFDS19
MDQNR/L2020K1504	20	20	125	20	24	36	DN..1504..	DFDS03	DFDS1k	L030	DFDS2q	DFDS13
MDQNR/L2525M1504	25	25	150	25	32	35	DN..1504..	DFDS01	DFDS1k	L030	DFDS2q	DFDS13
MDQNR/L3232P1504	32	32	170	32	40	35	DN..1504..	DFDS01	DFDS1k	L030	DFDS2q	DFDS13
MDQNR/L2020K1506	20	20	125	20	24	36	DN..1506..	DFDS03	DFDS1k	L030	DFDS2q	DFDS14
MDQNR/L2525M1506	25	25	150	25	32	35	DN..1506..	DFDS01	DFDS1k	L030	DFDS2q	DFDS14
MDQNR/L3232P1506	32	32	170	32	40	35	DN..1506..	DFDS01	DFDS1k	L030	DFDS2q	DFDS14

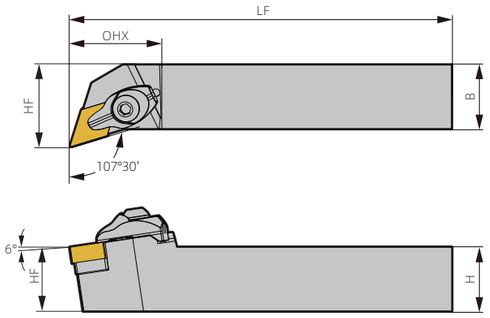
TORKOOL

刀片Insert → DA018-019

车刀体 Turning Holder

外圆车刀-DDQNR/L
External Turning Tool-DDQNR/L





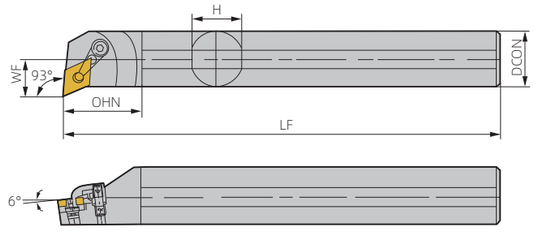
1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

型号 Specification	H	B	LF	HF	WF	OHX	MIID	刀垫 Shim	扳手 Wrench	压板 Clamp	压板螺钉 Clamping Screw	螺钉 Screw
DDQNR/L2020K11	20	20	125	20	25	28	DN..1104..	DFDS1j	L040,L030	DFDS2v	DFDS0i	DFDS1c
DDQNR/L2525M11	25	25	150	25	31	28	DN..1104..	DFDS1j	L040,L030	DFDS2v	DFDS0i	DFDS1c
DDQNR/L2020K1504	20	20	125	20	26	36	DN..1504..	DFDS1k	L040,L030	DFDS2u	DFDS0h	DFDS1b
DDQNR/L2525M1504	25	25	150	25	32	36	DN..1504..	DFDS1k	L040,L030	DFDS2u	DFDS0h	DFDS1b
DDQNR/L3232P1504	32	32	170	32	38	36	DN..1504..	DFDS1k	L040,L030	DFDS2u	DFDS0h	DFDS1b
DDQNR/L2020K1506	20	20	125	20	26	36	DN..1506..	DFDS1k	L040,L030	DFDS2u	DFDS0h	DFDS1b
DDQNR/L2525M1506	25	25	150	25	32	36	DN..1506..	DFDS1k	L040,L030	DFDS2u	DFDS0h	DFDS1b
DDQNR/L3232P1506	32	32	170	32	38	36	DN..1506..	DFDS1k	L040,L030	DFDS2u	DFDS0h	DFDS1b

内孔车刀-MDUNR/L
Internal Turning Tool-MDUNR/L





1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

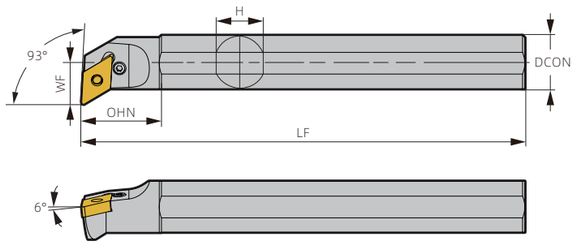
型号 Specification	DMIN	DCON	H	LF	WF	OHN	MIID	刀垫 Shim	刀垫螺钉 Shim Screw	压板 Clamp	压板螺钉 Clamping Screw	扳手 Wrench
S20Q-MDUNR/L1504	28	20	18	180	17	40	DN..1504..	-	DFDS1a	DFDS2o	DFDS05	L025,L030
S25R-MDUNR/L1504	32	25	24	200	19	40	DN..1504..	-	DFDS1a	DFDS2p	DFDS03	L025,L030
S32S-MDUNR/L1504	40	32	30	250	22	45	DN..1504..	DFDS1k	DFDS13	DFDS2q	DFDS03	L030
S40T-MDUNR/L1504	50	40	37	300	26	55	DN..1504..	DFDS1k	DFDS13	DFDS2q	DFDS03	L030
S32S-MDUNR/L1506	40	32	30	250	22	45	DN..1506..	DFDS1k	DFDS14	DFDS2q	DFDS03	L030
S40T-MDUNR/L1506	50	40	37	300	26	55	DN..1506..	DFDS1k	DFDS14	DFDS2q	DFDS03	L030

刀片Insert → DA018-019

TORKOOL

内孔车刀-PDUNR/L
Internal Turning Tool-PDUNR/L





1.单位：mm
2.刀片单独订购

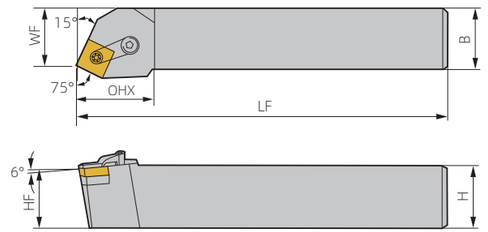
1.Unit：mm
2.Insert ordered separately.

型号 Specification	DMIN	DCON	H	LF	WF	OHN	MIID	螺钉 Screw	扳手 Wrench	杠杆 Lever	刀垫 Shim	垫片销 Shim Pin
S32S-PDUNR/L 1504	40	32	30	250	22	50	DN..1504..	DFDS0c	L030	DFDS35	DFDS21	DFDS3k
S40T-PDUNR/L 1504	50	40	37	300	27	50	DN..1504..	DFDS0c	L030	DFDS35	DFDS21	DFDS3k
S32S-PDUNR/L 1506	40	32	30	250	22	50	DN..1506..	DFDS0c	L030	DFDS39	DFDS21	DFDS3k
S40T-PDUNR/L 1506	50	40	37	300	27	50	DN..1506..	DFDS0c	L030	DFDS39	DFDS21	DFDS3k

刀片Insert → DA018-019

外圆车刀-MSBNR/L
External Turning Tool-MSBNR/L





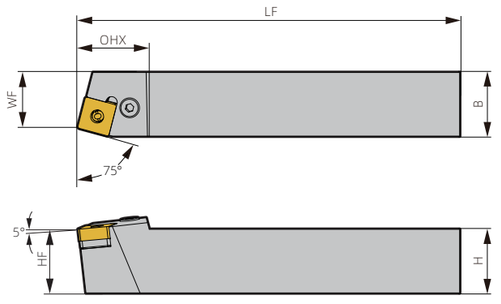
1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

型号 Specification	H	B	LF	HF	WF	OHX	MIID	压板螺钉 Clamping Screw	刀垫 Shim	扳手 Wrench	压板 Clamp	刀垫螺钉 Shim Screw
MSBNR/L2020K12	20	20	125	20	17	34	SN..1204..	DFDS03	DFDS1L	L030	DFDS2p	DFDS13
MSBNR/L2525M12	25	25	150	25	22	32	SN..1204..	DFDS01	DFDS1L	L030	DFDS2p	DFDS13
MSBNR/L2525M15	25	25	150	25	22	38	SN..1506..	DFDS01	DFDS1m	L030	DFDS2q	DFDS15
MSBNR/L3232P15	32	32	170	32	29	38	SN..1506..	DFDS01	DFDS1m	L030	DFDS2q	DFDS15
MSBNR/L3232P19	32	32	170	32	27	45	SN..1906..	DFDS02	DFDS1n	L040	DFDS2r	DFDS16
MSBNR/L4040R19	40	40	200	40	35	45	SN..1906..	DFDS02	DFDS1n	L040	DFDS2r	DFDS16
MSBNR/L4040S25	40	40	250	40	34	60	SN..2509..	DFDS04	DFDS1o	L040,L050	DFDS2s	DFDS17

外圆车刀-PSBNR/L
External Turning Tool-PSBNR/L





1.单位：mm
2.刀片单独订购

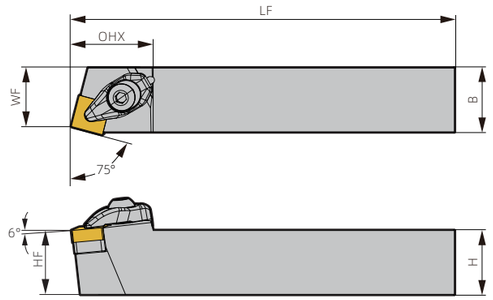
1.Unit：mm
2.Insert ordered separately.

型号 Specification	H	B	LF	HF	WF	OHX	MIID	螺钉 Screw	刀垫 Shim	扳手 Wrench	杠杆 Lever	垫片销 Shim Pin
PSBNR/L2020K12	20	20	125	20	17	28	SN..1204..	DFDS0c	DFDS23	L030	DFDS35	DFDS3k
PSBNR/L2525M12	25	25	150	25	22	28	SN..1204..	DFDS0c	DFDS23	L030	DFDS35	DFDS3k
PSBNR/L3232P12	32	32	170	32	29	28	SN..1204..	DFDS0c	DFDS23	L030	DFDS35	DFDS3k
PSBNR/L2525M15	25	25	150	25	22	32	SN..1506..	DFDS0d	DFDS24	L030	DFDS36	DFDS3L
PSBNR/L3232P15	32	32	170	32	28	32	SN..1506..	DFDS0d	DFDS24	L030	DFDS36	DFDS3L
PSBNR/L3232P19	32	32	170	32	36	45	SN..1906..	DFDS09	DFDS25	L040	DFDS37	DFDS3m
PSBNR/L4040S19	40	40	250	40	35	45	SN..1906..	DFDS09	DFDS25	L040	DFDS37	DFDS3m
PSBNR/L4040S2507	40	40	250	40	35	50	SN..2507..	DFDS0b	DFDS26	L050	DFDS38	DFDS3n
PSBNR/L4040S2509	40	40	250	40	35	50	SN..2509..	DFDS0b	DFDS27	L050	DFDS38	DFDS3n

刀片Insert → DA020-021

外圆车刀-DSBNR/L
External Turning Tool-DSBNR/L





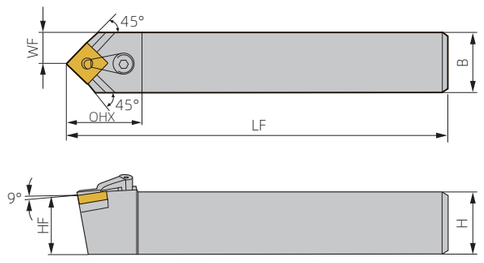
1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

型号 Specification	H	B	LF	HF	WF	OHX	MIID	刀垫 Shim	扳手 Wrench	压板 Clamp	压板螺钉 Clamping Screw	螺钉 Screw
DSBNR/L2020K12	20	20	125	20	18	34	SN..1204..	DFDS1L	L030,L040	DFDS2u	DFDS0h	DFDS1b
DSBNR/L2525M12	25	25	150	25	23	32	SN..1204..	DFDS1L	L030,L040	DFDS2u	DFDS0h	DFDS1b
DSBNR/L3232P12	32	32	170	32	30	33	SN..1204..	DFDS1L	L030,L040	DFDS2u	DFDS0h	DFDS1b
DSBNR/L2525M15	25	25	150	25	21	40	SN..1506..	DFDS2i	Q20,L040	DFDS2z	DFDS0h	DFDS0q
DSBNR/L3232P15	32	32	170	32	28	40	SN..1506..	DFDS2i	Q20,L040	DFDS2z	DFDS0h	DFDS0q
DSBNR/L3232P19	32	32	170	32	28	40	SN..1906..	DFDS1n	L060,L040	DFDS2x	DFDS0j	DFDS1d
DSBNR/L4040R19	40	40	200	40	36	40	SN..1906..	DFDS1n	L060,L040	DFDS2x	DFDS0j	DFDS1d

外圆车刀-MSDNN
External Turning Tool-MSDNN





1.单位：mm
2.刀片单独订购

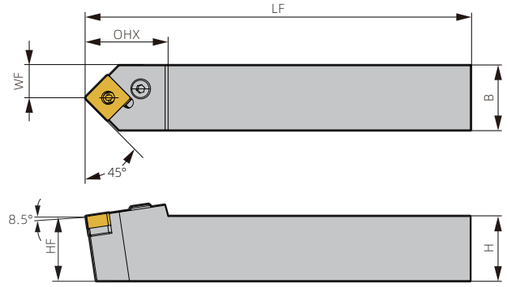
1.Unit：mm
2.Insert ordered separately.

型号 Specification	H	B	LF	HF	WF	OHX	MIID	压板螺钉 Clamping Screw	刀垫 Shim	扳手 Wrench	压板 Clamp	刀垫螺钉 Shim Screw
MSDNN2020K12	20	20	125	20	10.0	34	SN..1204..	DFDS03	DFDS1L	L030	DFDS2p	DFDS13
MSDNN2525M12	25	25	150	25	12.5	34	SN..1204..	DFDS01	DFDS1L	L030	DFDS2p	DFDS13
MSDNN2525M15	25	25	150	25	12.5	42	SN..1506..	DFDS01	DFDS1m	L030	DFDS2q	DFDS15
MSDNN3232P15	32	32	170	32	16.0	42	SN..1506..	DFDS01	DFDS1m	L030	DFDS2q	DFDS15
MSDNN3232P19	32	32	170	32	16.0	45	SN..1906..	DFDS02	DFDS1n	L040	DFDS2r	DFDS16
MSDNN4040R19	40	40	200	40	20.0	50	SN..1906..	DFDS02	DFDS1n	L040	DFDS2r	DFDS16
MSDNN4040S25	40	40	250	40	20.0	60	SN..2509..	DFDS04	DFDS1o	L040,L050	DFDS2s	DFDS17

刀片Insert → DA020-021

外圆车刀-PSDNN
External Turning Tool-PSDNN





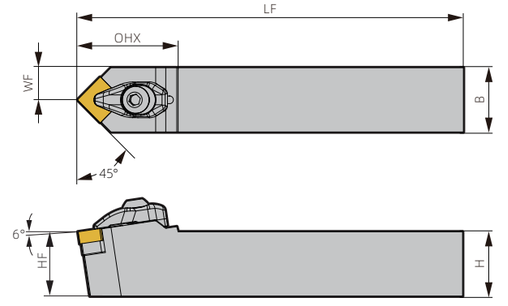
1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

型号 Specification	H	B	LF	HF	WF	OHX	MIID	螺钉 Screw	刀垫 Shim	扳手 Wrench	杠杆 Lever	垫片销 Shim Pin
PSDNN2020K12	20	20	125	20	10.0	30	SN..1204..	DFDS0c	DFDS23	L030	DFDS35	DFDS3k
PSDNN2525M12	25	25	150	25	12.5	32	SN..1204..	DFDS0c	DFDS23	L030	DFDS35	DFDS3k
PSDNN3232P12	32	32	170	32	16.0	30	SN..1204..	DFDS0c	DFDS23	L030	DFDS35	DFDS3k
PSDNN2525M15	25	25	150	25	12.5	40	SN..1506..	DFDS0d	DFDS24	L030	DFDS36	DFDS3L
PSDNN3232P15	32	32	170	32	16.0	40	SN..1506..	DFDS0d	DFDS24	L030	DFDS36	DFDS3L
PSDNN3232P19	32	32	170	32	16.0	40	SN..1906..	DFDS09	DFDS25	L040	DFDS37	DFDS3m
PSDNN4040S19	40	40	250	40	20.0	40	SN..1906..	DFDS09	DFDS25	L040	DFDS37	DFDS3m
PSDNN4040S2507	40	40	250	40	20.0	50	SN..2507..	DFDS0b	DFDS26	L050	DFDS38	DFDS3n
PSDNN4040S2509	40	40	250	40	20.0	50	SN..2509..	DFDS0b	DFDS27	L050	DFDS38	DFDS3n

外圆车刀-DSDNN
External Turning Tool-DSDNN





1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

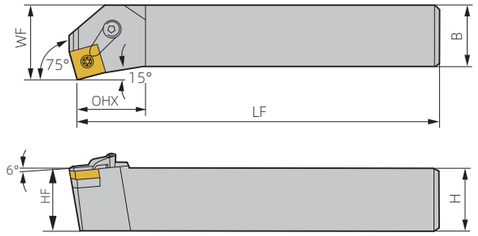
型号 Specification	H	B	LF	HF	WF	OHX	MIID	刀垫 Shim	扳手 Wrench	压板 Clamp	压板螺钉 Clamping Screw	刀垫螺钉 Shim Screw
DSDNN2020K12	20	20	125	20	10.0	36	SN..1204..	DFDS1L	L030,L040	DFDS2u	DFDS0h	DFDS1b
DSDNN2525M12	25	25	150	25	12.5	36	SN..1204..	DFDS1L	L030,L040	DFDS2u	DFDS0h	DFDS1b
DSDNN3232P12	32	32	170	32	12.5	36	SN..1204..	DFDS1L	L030,L040	DFDS2u	DFDS0h	DFDS1b
DSDNN2525M15	25	25	150	25	12.5	40	SN..1506..	DFDS2i	Q20,L040	DFDS2z	DFDS0h	DFDS0q
DSDNN3232P15	32	32	170	32	16.0	40	SN..1506..	DFDS2i	Q20,L040	DFDS2z	DFDS0h	DFDS0q
DSDNN3232P19	32	32	170	32	16.0	48	SN..1906..	DFDS1n	L060,L040	DFDS2x	DFDS0j	DFDS1d
DSDNN4040R19	40	40	200	40	20.0	48	SN..1906..	DFDS1n	L060,L040	DFDS2x	DFDS0j	DFDS1d

刀片Insert → DA020-021

车刀体 Turning Holder

外圆车刀-MSKNR/L
External Turning Tool-MSKNR/L





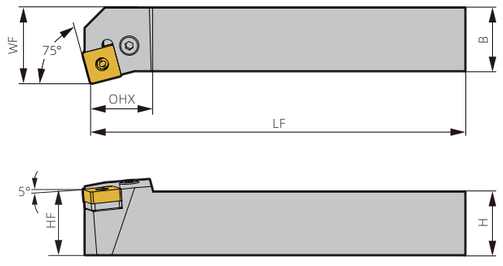
1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

型号 Specification	H	B	LF	HF	WF	OHX	MIID	压板螺钉 Clamping Screw	刀垫 Shim	扳手 Wrench	压板 Clamp	刀垫螺钉 Screw
MSKNR/L2020K12	20	20	125	20	25	28	SN..1204..	DFDS03	DFDS1L	L030	DFDS2p	DFDS13
MSKNR/L2525M12	25	25	150	25	32	27	SN..1204..	DFDS01	DFDS1L	L030	DFDS2p	DFDS13
MSKNR/L3232P12	32	25	170	32	32	27	SN..1204..	DFDS01	DFDS1L	L030	DFDS2p	DFDS13
MSKNR/L2525M15	25	25	150	25	32	32	SN..1506..	DFDS01	DFDS1m	L030	DFDS2q	DFDS15
MSKNR/L3232P15	32	32	170	32	38	32	SN..1506..	DFDS01	DFDS1m	L030	DFDS2q	DFDS15
MSKNR/L3232P19	32	32	170	32	38	36	SN..1906..	DFDS02	DFDS1n	L040	DFDS2r	DFDS16
MSKNR/L4040R19	40	40	200	40	50	40	SN..1906..	DFDS02	DFDS1n	L040	DFDS2r	DFDS16
MSKNR/L4040S25	40	40	200	40	50	45	SN..2509..	DFDS04	DFDS1o	L040,L050	DFDS2s	DFDS17

外圆车刀-PSKNR/L
External Turning Tool-PSKNR/L





1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

型号 Specification	H	B	LF	HF	WF	OHX	MIID	螺钉 Screw	刀垫 Shim	扳手 Wrench	杠杆 Lever	垫片销 Shim Pin
PSKNR/L2020K12	20	20	125	20	25	26	SN..1204..	DFDS0c	DFDS23	L030	DFDS35	DFDS3k
PSKNR/L2525M12	25	25	150	25	30	26	SN..1204..	DFDS0c	DFDS23	L030	DFDS35	DFDS3k
PSKNR/L3232P12	32	32	170	32	38	26	SN..1204..	DFDS0c	DFDS23	L030	DFDS35	DFDS3k
PSKNR/L2525M15	25	25	150	25	32	32	SN..1506..	DFDS0d	DFDS24	L030	DFDS36	DFDS3L
PSKNR/L3232P15	32	32	170	32	38	32	SN..1506..	DFDS0d	DFDS24	L030	DFDS36	DFDS3L
PSKNR/L3232P19	32	32	170	32	38	36	SN..1906..	DFDS09	DFDS25	L040	DFDS37	DFDS3m
PSKNR/L4040S19	40	40	250	40	48	32	SN..1906..	DFDS09	DFDS25	L040	DFDS37	DFDS3m
PSKNR/L4040S2507	40	40	250	40	50	40	SN..2507..	DFDS0b	DFDS26	L050	DFDS38	DFDS3n
PSKNR/L4040S2509	40	40	250	40	50	40	SN..2509..	DFDS0b	DFDS27	L050	DFDS38	DFDS3n

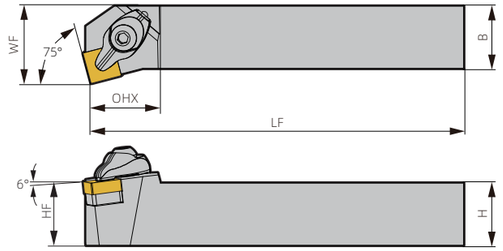
TORKOOL

刀片Insert → DA020-021

车刀体 Turning Holder

外圆车刀-DSKNR/L
External Turning Tool-DSKNR/L





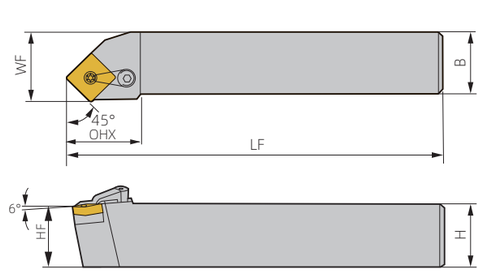
1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

型号 Specification	H	B	LF	HF	WF	OHX	MIID	刀垫 Shim	扳手 Wrench	压板 Clamp	压板螺钉 Clamping Screw	刀垫螺钉 Shim Screw
DSKNR/L2020K12	20	20	125	20	26	28	SN..1204..	DFDS1L	L030,L040	DFDS2u	DFDS0h	DFDS1b
DSKNR/L2525M12	25	25	150	25	36	28	SN..1204..	DFDS1L	L030,L040	DFDS2u	DFDS0h	DFDS1b
DSKNR/L3232P12	32	32	170	32	38	32	SN..1204..	DFDS1L	L030,L040	DFDS2u	DFDS0h	DFDS1b

外圆车刀-MSSNR/L
External Turning Tool-MSSNR/L





1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

型号 Specification	H	B	LF	HF	WF	OHX	MIID	压板螺钉 Clamping Screw	刀垫 Shim	扳手 Wrench	压板 Clamp	刀垫螺钉 Shim Screw
MSSNR/L2020K12	20	20	125	20	25	36	SN..1204..	DFDS03	DFDS1L	L030	DFDS2p	DFDS13
MSSNR/L2525M12	25	25	150	25	30	36	SN..1204..	DFDS01	DFDS1L	L030	DFDS2p	DFDS13
MSSNR/L3232P12	32	32	170	32	38	35	SN..1204..	DFDS01	DFDS1L	L030	DFDS2p	DFDS13
MSSNR/L2525M15	25	25	150	25	30	40	SN..1506..	DFDS01	DFDS1m	L030	DFDS2q	DFDS15
MSSNR/L3232P15	32	32	170	32	38	40	SN..1506..	DFDS01	DFDS1m	L030	DFDS2q	DFDS15
MSSNR/L3232P19	32	32	170	32	38	45	SN..1906..	DFDS02	DFDS1n	L040	DFDS2r	DFDS16
MSSNR/L4040R19	40	40	200	40	46	45	SN..1906..	DFDS02	DFDS1n	L040	DFDS2r	DFDS16
MSSNR/L4040S25	40	40	200	40	50	60	SN..2509..	DFDS04	DFDS1o	L040,L050	DFDS2s	DFDS17

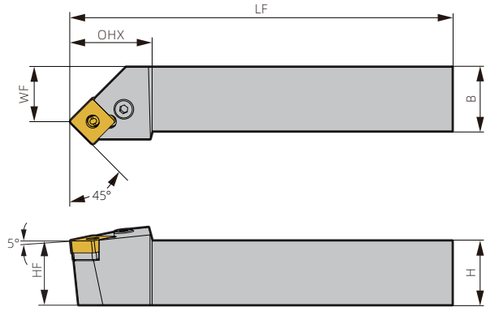
刀片Insert → DA020-021

TORKOOL

车刀体 Turning Holder

外圆车刀-PSSNR/L
External Turning Tool-PSSNR/L





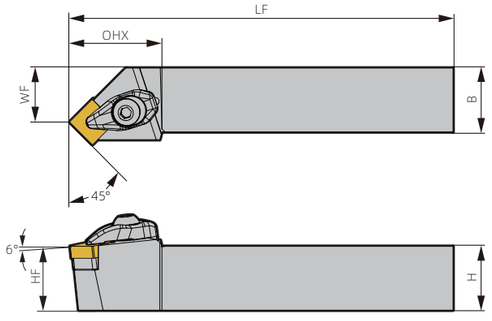
1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

型号 Specification	H	B	LF	HF	WF	OHX	MIID	螺钉 Screw	刀垫 Shim	扳手 Wrench	杠杆 Lever	垫片销 Shim Pin
PSSNR/L2020K12	20	20	125	20	25	28	SN..1204..	DFDS0c	DFDS23	L030	DFDS35	DFDS3k
PSSNR/L2525M12	25	25	150	25	30	32	SN..1204..	DFDS0c	DFDS23	L030	DFDS35	DFDS3k
PSSNR/L3232P12	32	32	170	32	38	32	SN..1204..	DFDS0c	DFDS23	L030	DFDS35	DFDS3k
PSSNR/L2525M15	25	25	150	25	30	35	SN..1506..	DFDS0d	DFDS24	L030	DFDS36	DFDS3L
PSSNR/L3232P15	32	32	170	32	38	35	SN..1506..	DFDS0d	DFDS24	L030	DFDS36	DFDS3L
PSSNR/L3232P19	32	32	170	32	38	40	SN..1906..	DFDS09	DFDS25	L040	DFDS37	DFDS3m
PSSNR/L4040S19	40	40	250	40	48	50	SN..1906..	DFDS09	DFDS25	L040	DFDS37	DFDS3m
PSSNR/L4040S2507	40	40	250	40	48	50	SN..2507..	DFDS0b	DFDS26	L050	DFDS38	DFDS3n
PSSNR/L4040S2509	40	40	250	40	48	50	SN..2509..	DFDS0b	DFDS27	L050	DFDS38	DFDS3n

外圆车刀-DSSNR/L
External Turning Tool-DSSNR/L





1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

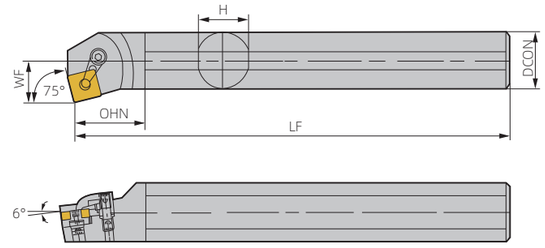
型号 Specification	H	B	LF	HF	WF	OHX	MIID	刀垫 Shim	扳手 Wrench	压板 Clamp	压板螺钉 Clamping Screw	刀垫螺钉 Shim Screw
DSSNR/L2020K12	20	20	125	20	25	36	SN..1204..	DFDS1L	L030,L040	DFDS2u	DFDS0h	DFDS1b
DSSNR/L2525M12	25	25	150	25	30	35	SN..1204..	DFDS1L	L030,L040	DFDS2u	DFDS0h	DFDS1b
DSSNR/L3232P12	32	32	170	32	38	35	SN..1204..	DFDS1L	L030,L040	DFDS2u	DFDS0h	DFDS1b
DSSNR/L2525M15	25	25	150	25	32	40	SN..1506..	DFDS2i	Q20,L040	DFDS2z	DFDS0h	DFDS0q
DSSNR/L3232P15	32	32	170	32	40	40	SN..1506..	DFDS2i	Q20,L040	DFDS2z	DFDS0h	DFDS0q
DSSNR/L3232P19	32	32	170	32	45	48	SN..1906..	DFDS1n	L060,L040	DFDS2x	DFDS0j	DFDS1d
DSSNR/L4040R19	40	40	200	40	43	48	SN..1906..	DFDS1n	L060,L040	DFDS2x	DFDS0j	DFDS1d

TORKOOL

刀片Insert → DA020-021

内孔车刀-MSKNR/L
Internal Turning Tool-MSKNR/L





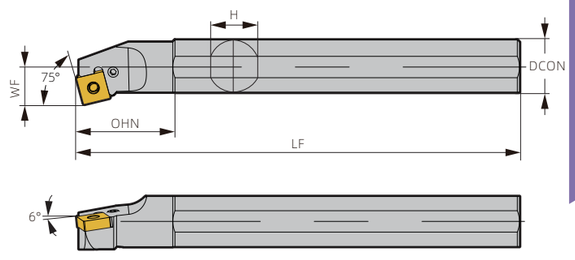
1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

型号 Specification	DMIN	DCON	H	LF	WF	OHN	MIID	刀垫 Shim	刀垫螺钉 Shim Screw	压板 Clamp	压板螺钉 Clamping Screw	扳手 Wrench
S20Q-MSKNR/L12	26	20	18	180	13	31	SN..1204..	-	DFDS1a	DFDS2o	DFDS05	L025,L030
S25R-MSKNR/L12	32	25	23	300	17	35	SN..1204..	-	DFDS1a	DFDS2p	DFDS03	L025,L030
S32S-MSKNR/L12	40	32	30	250	22	40	SN..1204..	DFDS1L	DFDS13	DFDS2p	DFDS03	L025,L030
S40T-MSKNR/L12	50	40	37	300	27	50	SN..1204..	DFDS1L	DFDS13	DFDS2p	DFDS03	L025,L030

内孔车刀-PSKNR/L
Internal Turning Tool-PSKNR/L





1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

型号 Specification	DMIN	DCON	H	LF	WF	OHN	MIID	刀垫螺钉 Shim Screw	扳手 Wrench	杠杆 Lever	刀垫 Shim	垫片销 Shim Pin
S25R-PSKNR/L 12	32	25	23	200	17	42	SN..1204..	DFDS06	L025	DFDS3f	-	-
S32S-PSKNR/L 12	44	32	30	250	22	45	SN..1204..	DFDS0c	L030	DFDS35	DFDS23	DFDS3k
S40T-PSKNR/L 12	54	40	37	300	27	50	SN..1204..	DFDS0c	L030	DFDS35	DFDS23	DFDS3k

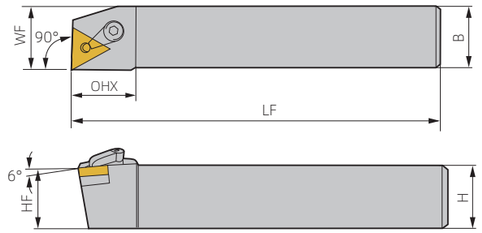
刀片Insert → DA020-021

TORKOOL

车刀体 Turning Holder

外圆车刀-MTFNR/L
External Turning Tool-MTFNR/L





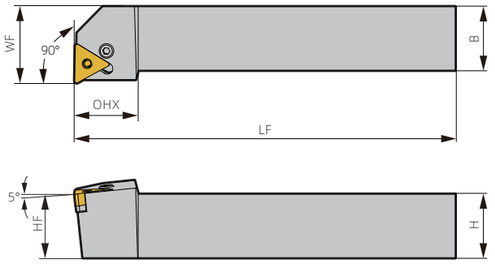
1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

型号 Specification	H	B	LF	HF	WF	OHX	MIID	压板螺钉 Clamping Screw	刀垫 Shim	扳手 Wrench	压板 Clamp	刀垫螺钉 Shim Screw
MTFNR/L2020K16	20	20	125	20	25	30	TN..1604..	DFDS03	DFDS1p	L020,L030	DFDS2p	DFDS19
MTFNR/L2525M16	25	25	150	25	32	32	TN..1604..	DFDS01	DFDS1p	L020,L030	DFDS2p	DFDS19
MTFNR/L3232P16	32	32	170	32	38	32	TN..1604..	DFDS01	DFDS1p	L020,L030	DFDS2p	DFDS19
MTFNR/L2525M22	25	25	150	25	32	36	TN..2204..	DFDS01	DFDS1q	L030	DFDS2q	DFDS13
MTFNR/L3232P22	32	32	170	32	38	36	TN..2204..	DFDS01	DFDS1q	L030	DFDS2q	DFDS13

外圆车刀-PTFNR/L
External Turning Tool-PTFNR/L





1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

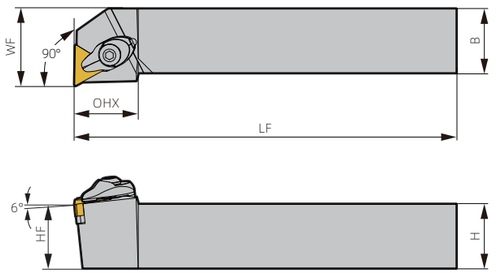
型号 Specification	H	B	LF	HF	WF	OHX	MIID	螺钉 Screw	刀垫 Shim	扳手 Wrench	杠杆 Lever	垫片销 Shim Pin
PTFNR/L2020K16	20	20	125	20	25	20	TN..1604..	DFDS07	DFDS28	L020	DFDS34	DFDS3j
PTFNR/L2525M16	25	25	150	25	30	25	TN..1604..	DFDS07	DFDS28	L020	DFDS34	DFDS3j
PTFNR/L2525M22	25	25	150	25	32	30	TN..2204..	DFDS0c	DFDS29	L030	DFDS35	DFDS3k
PTFNR/L3232P22	32	32	170	32	38	30	TN..2204..	DFDS0c	DFDS29	L030	DFDS35	DFDS3k

刀片Insert → DA022-023

车刀体 Turning Holder

外圆车刀-DTFNR/L
External Turning Tool-DTFNR/L





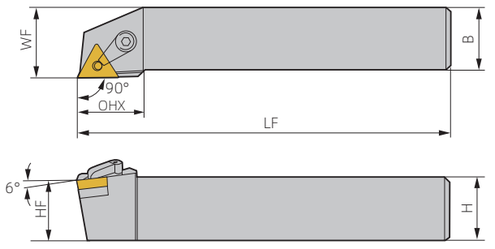
1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

型号 Specification	H	B	LF	HF	WF	OHX	MIID	刀垫 Shim	扳手 Wrench	压板 Clamp	压板螺钉 Clamping Screw	螺钉 Screw
DTFNR/L2020K16	20	20	125	20	25	28	TN..1604..	DFDS1p	L030	DFDS2v	DFDSi	DFDS1c
DTFNR/L2525M16	25	25	150	25	30	26	TN..1604..	DFDS1p	L030	DFDS2v	DFDSi	DFDS1c
DTFNR/L3232P16	32	32	170	32	38	26	TN..1604..	DFDS1p	L030	DFDS2v	DFDSi	DFDS1c

外圆车刀-MTGNR/L
External Turning Tool-MTGNR/L





1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

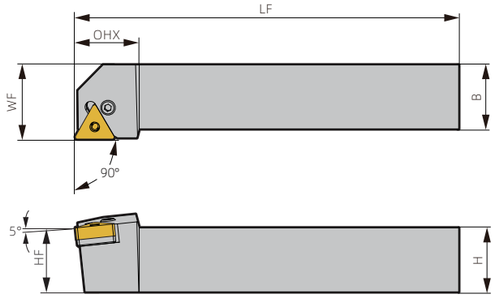
型号 Specification	H	B	LF	HF	WF	OHX	MIID	压板螺钉 Clamping Screw	刀垫 Shim	扳手 Wrench	压板 Clamp	刀垫螺钉 Shim screw
MTGNR/L2020K16	20	20	125	20	25	32	TN..1604..	DFDS03	DFDS1p	L020,L030	DFDS2p	DFDS19
MTGNR/L2525M16	25	25	150	25	32	30	TN..1604..	DFDS01	DFDS1p	L020,L030	DFDS2p	DFDS19
MTGNR/L2525M22	25	25	150	25	32	36	TN..2204..	DFDS01	DFDS1q	L030	DFDS2q	DFDS13
MTGNR/L3232P22	32	32	170	32	38	36	TN..2204..	DFDS01	DFDS1q	L030	DFDS2q	DFDS13

刀片Insert → DA022-023

车刀体 Turning Holder

外圆车刀-PTGNR/L
External Turning Tool-PTGNR/L





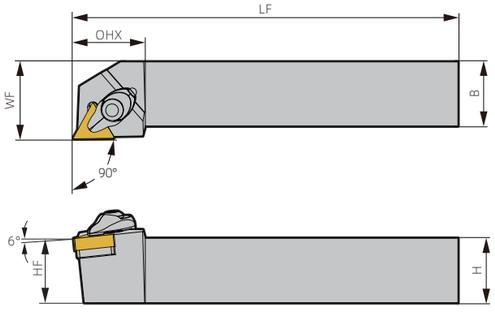
1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

型号 Specification	H	B	LF	HF	WF	OHX	MIID	螺钉 Screw	刀垫 Shim	扳手 Wrench	杠杆 Lever	垫片销 Shim Pin
PTGNR/L1616H16	16	16	100	16	19	22	TN..1604..	DFDS07	DFDS28	L020	DFDS34	DFDS3j
PTGNR/L2020K16	20	20	125	20	23	25	TN..1604..	DFDS07	DFDS28	L020	DFDS34	DFDS3j
PTGNR/L2525M16	25	25	150	25	29	25	TN..1604..	DFDS07	DFDS28	L020	DFDS34	DFDS3j
PTGNR/L3232P16	32	32	170	32	37	32	TN..1604..	DFDS07	DFDS28	L020	DFDS34	DFDS3j
PTGNR/L2525M22	25	25	150	25	30	30	TN..2204..	DFDS0c	DFDS29	L030	DFDS35	DFDS3k
PTGNR/L3232P22	32	32	170	32	37	32	TN..2204..	DFDS0c	DFDS29	L030	DFDS35	DFDS3k

外圆车刀-DTGNR/L
External Turning Tool-DTGNR/L





1.单位：mm
2.刀片单独订购

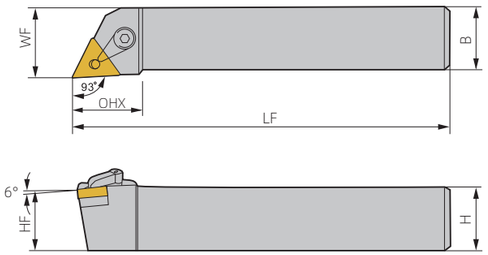
1.Unit：mm
2.Insert ordered separately.

型号 Specification	H	B	LF	HF	WF	OHX	MIID	刀垫 Shim	扳手 Wrench	压板 Clamp	压板螺钉 Clamping Screw	刀垫螺钉 Shim screw
DTGNR/L2020K16	20	20	125	20	24	28	TN..1604..	DFDS1p	L030	DFDS2v	DFDSi	DFDS1c
DTGNR/L2525M16	25	25	150	25	30	28	TN..1604..	DFDS1p	L030	DFDS2v	DFDSi	DFDS1c
DTGNR/L3232P16	32	32	170	32	38	32	TN..1604..	DFDS1p	L030	DFDS2v	DFDSi	DFDS1c

刀片Insert → DA022-023

外圆车刀-MTJNR/L
External Turning Tool-MTJNR/L





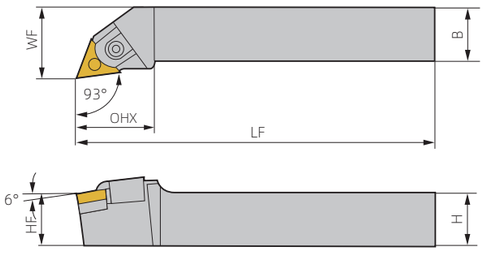
1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

型号 Specification	H	B	LF	HF	WF	OHX	MIID	压板螺钉 Clamping Screw	刀垫 Shim	扳手 Wrench	压板 Clamp	刀垫螺钉 Shim screw
MTJNR/L2020K16	20	20	125	20	25	32	TN..1604..	DFDS03	DFDS1p	L020,L030	DFDS2p	DFDS19
MTJNR/L2525M16	25	25	150	25	32	32	TN..1604..	DFDS01	DFDS1p	L020,L030	DFDS2p	DFDS19
MTJNR/L3232P16	32	32	170	32	32	32	TN..1604..	DFDS01	DFDS1p	L020,L030	DFDS2p	DFDS19
MTJNR/L2525M22	25	25	150	25	32	36	TN..2204..	DFDS01	DFDS1q	L030	DFDS2q	DFDS13
MTJNR/L3232P22	32	32	170	32	38	36	TN..2204..	DFDS01	DFDS1q	L030	DFDS2q	DFDS13

外圆车刀-WTJNR/L
External Turning Tool-WTJNR/L





1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

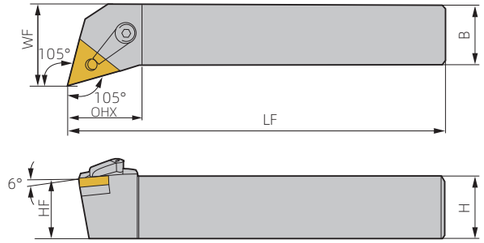
型号 Specification	H	B	LF	HF	WF	OHX	MIID	螺钉 Screw	刀垫 Shim	扳手 Wrench	压板 Clamp	中心柱 Clamping Stud
WTJNR/L2020K16	20	20	125	31	25	32	TN..1604..	DFDSl	DFDS1p	L020,L040	DFDS30	DFDS3o
WTJNR/L2525M16	25	25	150	31	32	32	TN..1604..	DFDSl	DFDS1p	L020,L040	DFDS30	DFDS3o
WTJNR/L3232P16	32	32	170	31	39	36	TN..1604..	DFDSl	DFDS1p	L020,L040	DFDS30	DFDS3o
WTJNR/L2525M22	25	25	150	25	32	38	TN..2204..	DFDSl	DFDS1q	L030,L040	DFDS31	DFDS3p
WTJNR/L3232P22	32	32	170	32	39	38	TN..2204..	DFDSl	DFDS1q	L030,L040	DFDS31	DFDS3p

刀片Insert → DA022-023

车刀体 Turning Holder

外圆车刀-MTQNR/L
External Turning Tool-MTQNR/L





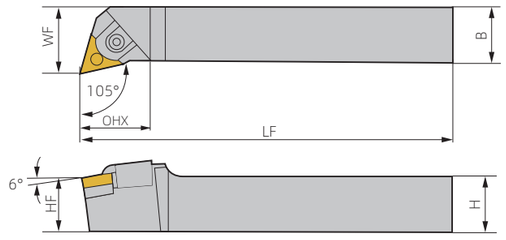
1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

型号 Specification	H	B	LF	HF	WF	OHX	MIID	压板螺钉 Clamping Screw	刀垫 Shim	扳手 Wrench	压板 Clamp	刀垫螺钉 Shim screw
MTQNR/L2020K16	20	20	125	20	29	25	TN..1604..	DFDS03	DFDS1p	L020,L030	DFDS2p	DFDS19
MTQNR/L2525M16	25	25	150	25	35	28	TN..1604..	DFDS01	DFDS1p	L020,L030	DFDS2p	DFDS19
MTQNR/L2525M22	25	25	150	25	38	38	TN..2204..	DFDS01	DFDS1q	L030	DFDS2q	DFDS13
MTQNR/L3232P22	32	32	170	32	46	36	TN..2204..	DFDS01	DFDS1q	L030	DFDS2q	DFDS13

外圆车刀-WTQNR/L
External Turning Tool-WTQNR/L





1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

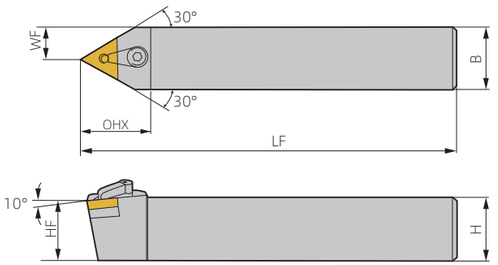
型号 Specification	H	B	LF	HF	WF	OHX	MIID	螺钉 Screw	刀垫 Shim	扳手 Wrench	压板 Clamp	中心柱 Clamping Stud
WTQNR/L2020K16	20	20	125	20	30	27	TN..1604..	DFDS0L	DFDS1p	L020,L040	DFDS30	DFDS3o
WTQNR/L2525M16	25	25	150	25	35	27	TN..1604..	DFDS0L	DFDS1p	L020,L040	DFDS30	DFDS3o
WTQNR/L3232P16	32	32	170	32	45	32	TN..1604..	DFDS0L	DFDS1p	L020,L040	DFDS30	DFDS3o
WTQNR/L2525M22	25	25	150	25	38	36	TN..2204..	DFDS0L	DFDS1q	L030,L040	DFDS31	DFDS3p
WTQNR/L3232P22	32	32	170	32	45	36	TN..2204..	DFDS0L	DFDS1q	L030,L040	DFDS31	DFDS3p

刀片Insert → DA022-023

车刀体 Turning Holder

外圆车刀-MTENN
External Turning Tool-MTENN





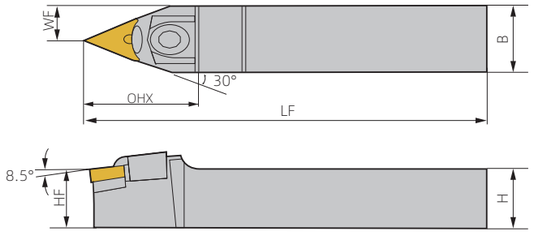
1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

型号 Specification	H	B	LF	HF	WF	OHX	MIID	压板螺钉 Clamping Screw	刀垫 Shim	扳手 Wrench	压板 Clamp	刀垫螺钉 Shim screw
MTENN2020K16	20	20	125	20	10.0	34	TN..1604..	DFDS03	DFDS1p	L020,L030	DFDS2p	DFDS19
MTENN2525M16	25	25	150	25	12.5	32	TN..1604..	DFDS01	DFDS1p	L020,L030	DFDS2p	DFDS19
MTENN3232P16	32	32	170	32	16.0	32	TN..1604..	DFDS01	DFDS1p	L020,L030	DFDS2p	DFDS19

外圆车刀-WTENN
External Turning Tool-WTENN





1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

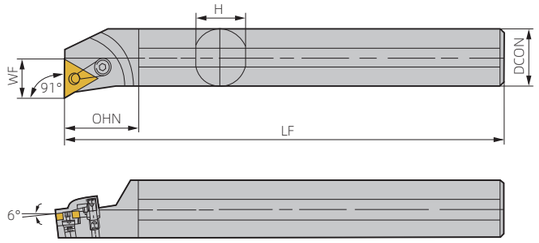
型号 Specification	H	B	LF	HF	WF	OHX	MIID	螺钉 Screw	刀垫 Shim	扳手 Wrench	压板 Clamp	中心柱 Clamping Stud
WTENN2020K16	20	20	125	20	10.0	34	TN..1604..	DFDS0L	DFDS1p	L025,L040	DFDS30	DFDS3o
WTENN2525M16	25	25	150	25	12.5	33	TN..1604..	DFDS0L	DFDS1p	L025,L040	DFDS30	DFDS3o
WTENN3232P16	32	32	170	32	16.0	33	TN..1604..	DFDS0L	DFDS1p	L025,L040	DFDS30	DFDS3o
WTENN2525M22	25	25	150	25	12.5	33	TN..2204..	DFDS0L	DFDS1q	L030,L040	DFDS31	DFDS3p
WTENN3232P22	32	32	170	32	16.0	33	TN..2204..	DFDS0L	DFDS1q	L030,L040	DFDS31	DFDS3p

刀片Insert → DA022-023

车刀体 Turning Holder

内孔车刀-MTFNR/L
Internal Turning Tool-MTFNR/L





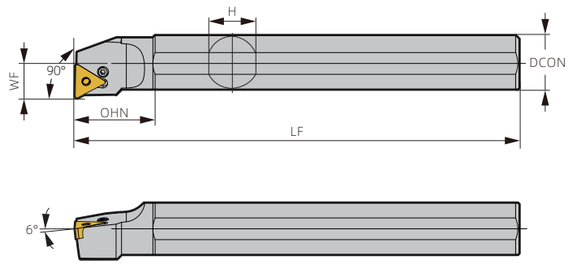
1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

型号 Specification	DMIN	DCON	H	LF	WF	OHN	MIID	刀垫 Shim	刀垫螺钉 Shim Screw	压板 Clamp	压板螺钉 Clamping Screw	扳手 Wrench
S20Q-MTFNR/L16	25	20	18	180	13	35	TN..1604..	-	DFDS18	DFDS2o	DFDS05	L020,L030
S25R-MTFNR/L16	32	25	23	200	16	40	TN..1604..	-	DFDS18	DFDS2p	DFDS03	L020,L030
S32S-MTFNR/L16	40	32	30	250	20	45	TN..1604..	DFDS1p	DFDS19	DFDS2p	DFDS03	L020,L030
S40T-MTFNR/L16	50	40	37	300	25	50	TN..1604..	DFDS1p	DFDS19	DFDS2p	DFDS03	L020,L030

内孔车刀-PTFNR/L
Internal Turning Tool-PTFNR/L





1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

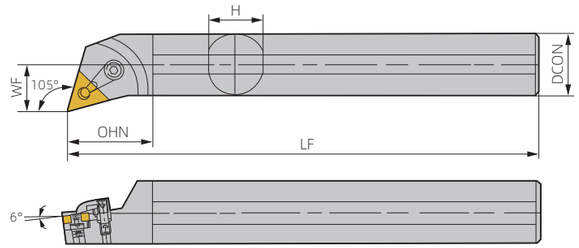
型号 Specification	DMIN	DCON	H	LF	WF	OHN	MIID	螺钉 Screw	扳手 Wrench	杠杆 Lever	刀垫 Shim	垫片销 Shim Pin
S25R-PTFNR/L16	32	25	23	200	17	42	TN..1604..	DFDS0g	L020	DFDS3i	-	-
S32S-PTFNR/L16	44	32	30	250	22	50	TN..1604..	DFDS06	L020	DFDS34	-	-
S40T-PTFNR/L16	54	40	37	300	27	55	TN..1604..	DFDS06	L025	DFDS34	DFDS2b	DFDS3j

刀片Insert → DA020-021

车刀体 Turning Holder

内孔车刀-MTQNR/L
Internal Turning Tool-MTQNR/L





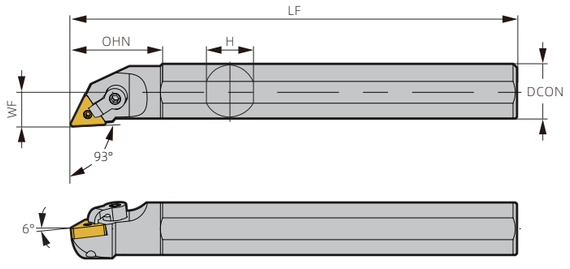
1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

型号 Specification	DMIN	DCON	H	LF	WF	OHN	MIID	刀垫 Shim	刀垫螺钉 Shim Screw	压板 Clamp	压板螺钉 Clamping Screw	扳手 Wrench
S20Q-MTQNR/L16	25	20	18	180	14	35	TN..1604..	-	DFDS18	DFDS2o	DFDS05	L020,L030
S25R-MTQNR/L16	32	25	23	200	18	35	TN..1604..	-	DFDS18	DFDS2p	DFDS03	L020,L030
S32S-MTQNR/L16	40	32	30	250	21	40	TN..1604..	DFDS1p	DFDS19	DFDS2p	DFDS03	L020,L030
S40T-MTQNR/L16	50	40	37	300	25	50	TN..1604..	DFDS1p	DFDS19	DFDS2p	DFDS03	L020,L030

内孔车刀-MTJNR/L
Internal Turning Tool-MTJNR/L





1.单位：mm
2.刀片单独订购

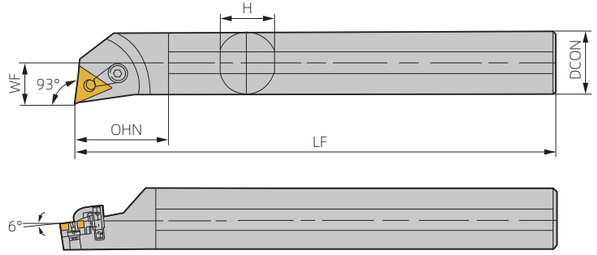
1.Unit：mm
2.Insert ordered separately.

型号 Specification	DMIN	DCON	H	LF	WF	OHN	MIID	刀垫 Shim	刀垫螺钉 Shim Screw	压板 Clamp	压板螺钉 Clamping Screw	扳手 Wrench
S25R-MTJNR/L16	32	25	23	200	15	40	TN..1604..	-	DFDS18	DFDS2p	DFDS03	L020,L030
S32S-MTJNR/L16	40	32	30	250	18	45	TN..1604..	DFDS1p	DFDS19	DFDS2p	DFDS03	L020,L030
S40T-MTJNR/L16	50	40	37	300	24	55	TN..1604..	DFDS1p	DFDS19	DFDS2p	DFDS03	L020,L030

刀片Insert → DA020-021

内孔车刀-MTUNR/L
Internal Turning Tool-MTUNR/L





1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

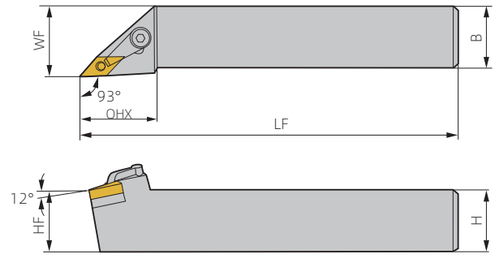
型号 Specification	DMIN	DCON	H	LF	WF	OHN	MIID	刀垫 Shim	刀垫螺钉 Shim Screw	压板 Clamp	压板螺钉 Clamping Screw	扳手 Wrench
S20Q-MTUNR/L16	25	20	18	180	13	31	TN..1604..	-	DFDS18	DFDS2o	DFDS05	L020,L030
S25R-MTUNR/L16	32	25	23	200	17	35	TN..1604..	-	DFDS18	DFDS2p	DFDS03	L020,L030
S32S-MTUNR/L16	40	32	30	250	22	40	TN..1604..	DFDS1p	DFDS19	DFDS2p	DFDS03	L020,L030
S40T-MTUNR/L16	50	40	37	300	23	50	TN..1604..	DFDS1p	DFDS19	DFDS2p	DFDS03	L020,L030

TORKOOL

刀片Insert → DA020-021

外圆车刀-MVJNR/L
External Turning Tool-MVJNR/L





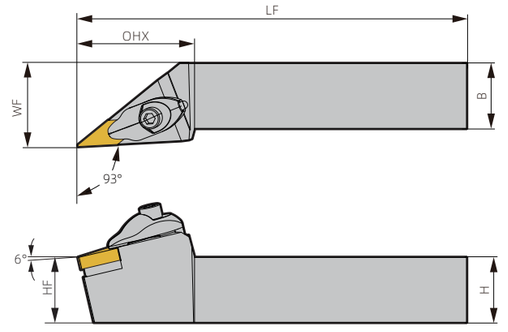
1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

型号 Specification	H	B	LF	HF	WF	OHX	MIID	压板螺钉 Clamping Screw	刀垫 Shim	扳手 Wrench	压板 Clamp	刀垫螺钉 Shim Screw
MVJNR/L2020K16	20	20	125	20	26	45	VN..1604..	DFDS03	DFDS1r	L020,L030	DFDS2t	DFDS19
MVJNR/L2525M16	25	25	150	25	32	45	VN..1604..	DFDS01	DFDS1r	L020,L030	DFDS2t	DFDS19
MVJNR/L3232P16	32	32	170	32	40	45	VN..1604..	DFDS01	DFDS1r	L020,L030	DFDS2t	DFDS19

外圆车刀-DVJNR/L
External Turning Tool-DVJNR/L





1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

型号 Specification	H	B	LF	HF	WF	OHX	MIID	刀垫 Shim	扳手 Wrench	压板 Clamp	压板螺钉 Clamping Screw	螺钉 Screw
DVJNR/L2020K16	20	20	125	20	26	45	VN..1604..	DFDS1r	L030,L040	DFDS2w	DFDS0k	DFDS1c
DVJNR/L2525M16	25	25	150	25	32	45	VN..1604..	DFDS1r	L030,L040	DFDS2w	DFDS0k	DFDS1c
DVJNR/L3232P16	32	32	170	32	40	45	VN..1604..	DFDS1r	L030,L040	DFDS2w	DFDS0k	DFDS1c

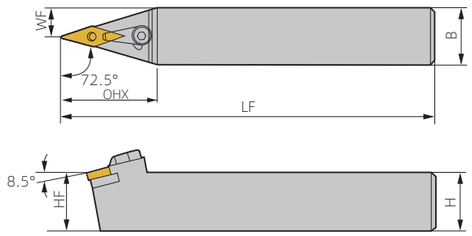
刀片Insert → DA025-025

TORKOOL

车刀体 Turning Holder

外圆车刀-MVVNN
External Turning Tool-MVVNN





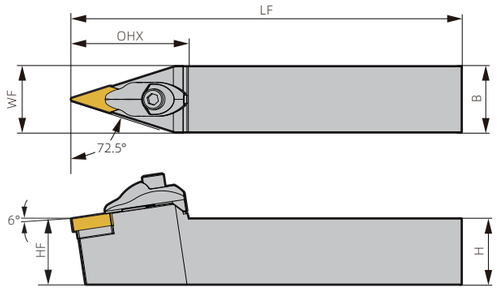
1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

型号 Specification	H	B	LF	HF	WF	OHX	MIID	压板螺钉 Clamping Screw	刀垫 Shim	扳手 Wrench	压板 Clamp	刀垫螺钉 Shim Screw
MVVNN2020K16	20	20	125	20	10.0	45	VN..1604..	DFDS03	DFDS1r	L020,L030	DFDS2t	DFDS19
MVVNN2525M16	25	25	150	25	12.5	45	VN..1604..	DFDS01	DFDS1r	L020,L030	DFDS2t	DFDS19
MVVNN3232P16	32	32	170	32	16.0	45	VN..1604..	DFDS01	DFDS1r	L020,L030	DFDS2t	DFDS19

外圆车刀-DVVNN
External Turning Tool-DVVNN





1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

型号 Specification	H	B	LF	HF	WF	OHX	MIID	刀垫 Shim	扳手 Wrench	压板 Clamp	压板螺钉 Clamping Screw	刀垫螺钉 Shim Screw
DVVNN2020K16	20	20	125	20	10.0	45	VN..1604..	DFDS1r	L030	DFDS2w	DFDS0k	DFDS1c
DVVNN2525M16	25	25	150	25	12.5	45	VN..1604..	DFDS1r	L030	DFDS2w	DFDS0k	DFDS1c
DVVNN3232P16	32	32	170	32	16.0	45	VN..1604..	DFDS1r	L030	DFDS2w	DFDS0k	DFDS1c

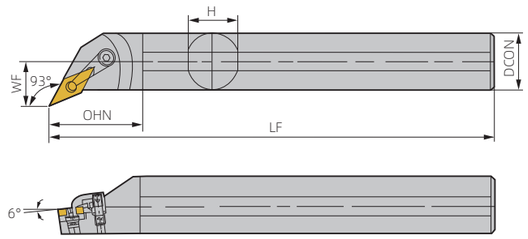
TORKOOL

刀片Insert → DA025-025

车刀体 Turning Holder

内孔车刀-MVUNR/L
Internal Turning Tool-MVUNR/L





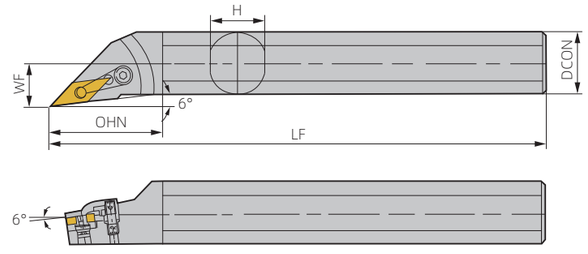
1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

型号 Specification	DMIN1	DCON	H	LF	WF	OHN	MIID	刀垫 Shim	刀垫螺钉 Shim Screw	压板 Clamp	压板螺钉 Clamping Screw	扳手 Wrench
S25R-MVUNR/L16	36	25	23	200	20	40	VN..1604..	-	DFDS18	DFDS2p	DFDS03	L020,L030
S32S-MVUNR/L16	42	32	30	250	23	40	VN..1604..	DFDS1r	DFDS19	DFDS2p	DFDS03	L020,L030
S40T-MVUNR/L16	50	40	37	300	27	55	VN..1604..	DFDS1r	DFDS19	DFDS2p	DFDS03	L020,L030

内孔车刀-MVXNR/L
Internal Turning Tool-MVXNR/L





1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

型号 Specification	DMIN	DCON	H	LF	WF	OHN	MIID	刀垫 Shim	刀垫螺钉 Shim Screw	压板 Clamp	压板螺钉 Clamping Screw	扳手 Wrench
S25R-MVXNR/L16	32	25	23	200	17	55	VN..1604..	-	DFDS18	DFDS2t	DFDS03	L020,L030
S32S-MVXNR/L16	42	32	30	250	21	60	VN..1604..	DFDS1r	DFDS19	DFDS2t	DFDS03	L020,L030
S40T-MVXNR/L16	50	40	37	300	25	68	VN..1604..	DFDS1r	DFDS19	DFDS2t	DFDS03	L020,L030

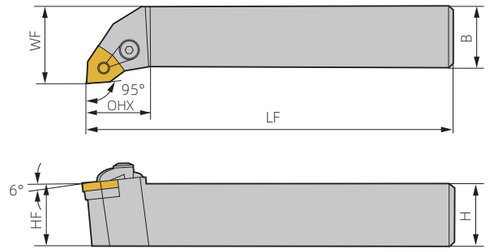
刀片Insert → DA025-025

TORKOOL

车刀体 Turning Holder

外圆车刀-MWLNR/L
External Turning Tool-MWLNR/L





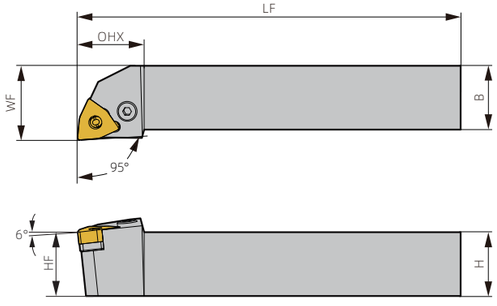
1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

型号 Specification	H	B	LF	HF	WF	OHX	MIID	压板螺钉 Clamping Screw	刀垫 Shim	扳手 Wrench	压板 Clamp	刀垫螺钉 Shim Screw
MWLNR/L2020K08	20	20	125	20	26	28	WN..0804..	DFDS03	DFDS1u	L030	DFDS2p	DFDS13
MWLNR/L2525M08	25	25	150	25	32	35	WN..0804..	DFDS01	DFDS1u	L030	DFDS2p	DFDS13
MWLNR/L3232P08	32	32	170	32	40	35	WN..0804..	DFDS01	DFDS1u	L030	DFDS2p	DFDS13

外圆车刀-PWLNR/L
External Turning Tool-PWLNR/L





1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

型号 Specification	H	B	LF	HF	WF	OHX	MIID	螺钉 Screw	刀垫 Shim	扳手 Wrench	杠杆 Lever	垫片销 Shim Pin
PWLNR/L2020K08	20	20	125	20	25	26	WN..0804..	DFDSc	DFDS2d	L030	DFDS35	DFDS3k
PWLNR/L2525M08	25	25	150	25	29	26	WN..0804..	DFDSc	DFDS2d	L030	DFDS35	DFDS3k
PWLNR/L3232P08	32	32	170	32	37	26	WN..0804..	DFDSc	DFDS2d	L030	DFDS35	DFDS3k

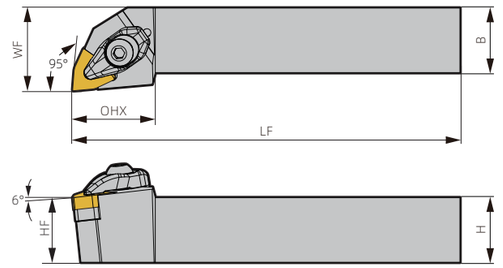
TORKOOL

刀片Insert → DA026-027

车刀体 Turning Holder

外圆车刀-DWLNR/L
External Turning Tool-DWLNR/L





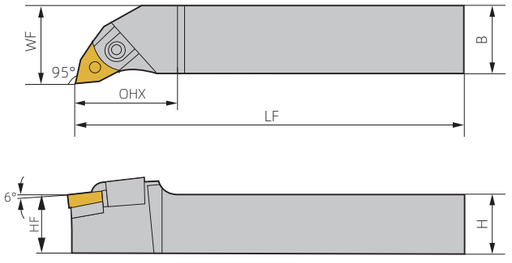
1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

型号 Specification	H	B	LF	HF	WF	OHX	MIID	刀垫 Shim	扳手 Wrench	压板 Clamp	压板螺钉 Clamping Screw	螺钉 Screw
DWLNR/L2020K08	20	20	125	20	25	32	WN..0804..	DFDS1t	L040,L030	DFDS2u	DFDSh	DFDS1b
DWLNR/L2525M08	25	25	150	25	32	31	WN..0804..	DFDS1t	L040,L030	DFDS2u	DFDSh	DFDS1b
DWLNR/L3232P08	32	32	170	32	39	31	WN..0804..	DFDS1t	L040,L030	DFDS2u	DFDSh	DFDS1b

外圆车刀-WWLNR/L
External Turning Tool-WWLNR/L





1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

型号 Specification	H	B	LF	HF	WF	OHX	MIID	螺钉 Screw	刀垫 Shim	扳手 Wrench	压板 Clamp	中心柱 Clamping Stud
WWLNR/L2020K08	20	20	125	20	27	32	WN..0804..	DFDS0L	DFDS1t	L030,L040	DFDS32	DFDS3p
WWLNR/L2525M08	25	25	150	32	32	32	WN..0804..	DFDS0L	DFDS1t	L030,L040	DFDS32	DFDS3p
WWLNR/L3232P08	32	32	170	40	38	32	WN..0804..	DFDS0L	DFDS1t	L030,L040	DFDS32	DFDS3p

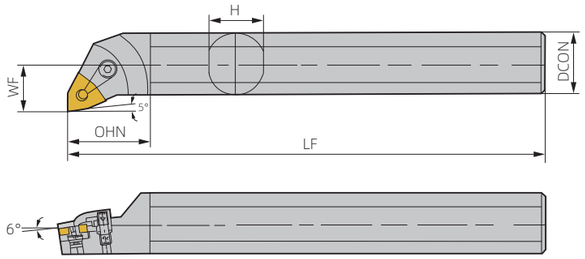
刀片Insert → DA026-027

TORKOOL

车刀体 Turning Holder

内孔车刀-MWLNR/L
Internal Turning Tool-MWLNR/L





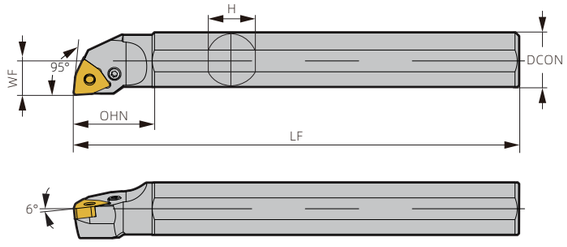
1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

型号 Specification	DMIN	DCON	H	LF	WF	OHN	MIID	刀垫 Shim	刀垫螺钉 Shim Screw	压板 Clamp	压板螺钉 Clamping Screw	扳手 Wrench
S20Q-MWLNR/L08	25	20	18	180	14.5	36	WN..0804..	-	DFDS1a	DFDS2o	DFDS05	L020,L030
S25R-MWLNR/L08	32	25	23	200	17.0	40	WN..0804..	-	DFDS1a	DFDS2o	DFDS05	L020,L030
S32S-MWLNR/L08	41	32	30	250	55.0	50	WN..0804..	DFDS1t	DFDS13	DFDS2p	DFDS03	L030
S40T-MWLNR/L08	50	40	37	300	27.0	55	WN..0804..	DFDS1t	DFDS13	DFDS2p	DFDS03	L030

内孔车刀-PWLNR/L
Internal Turning Tool-PWLNR/L





1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

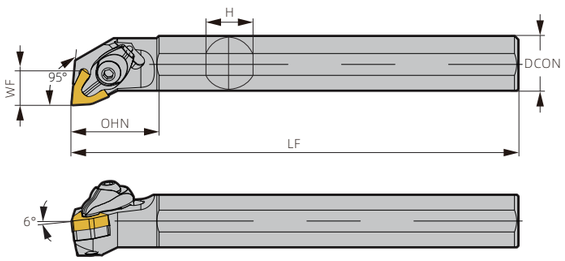
型号 Specification	DMIN	DCON	H	LF	WF	OHN	MIID	螺钉 Screw	扳手 Wrench	杠杆 Lever	刀垫 Shim	垫片销 Shim Pin
S16Q-PWLNR/L06	20	16	15	180	11	25	WN..0604..	DFDS0g	L020	DFDS3i	-	-
S20Q-PWLNR/L06	25	20	18	180	13	32	WN..0604..	DFDS0g	L020	DFDS3i	-	-
S25R-PWLNR/L06	32	25	23	200	17	35	WN..0604..	DFDS0g	L020	DFDS3i	-	-
S20Q-PWLNR/L08	25	20	18	180	13	32	WN..0804..	DFDS06	L025	DFDS3f	-	-
S25R-PWLNR/L08	32	25	23	200	17	45	WN..0804..	DFDS06	L025	DFDS3f	-	-
S32S-PWLNR/L08	40	32	30	250	22	50	WN..0804..	DFDS0c	L030	DFDS35	DFDS2d	DFDS3k
S40T-PWLNR/L08	50	40	42	300	30	55	WN..0804..	DFDS0c	L030	DFDS35	DFDS2d	DFDS3k

刀片Insert → DA026-027

车刀体 Turning Holder

内孔车刀-DWLNR/L
Internal Turning Tool-DWLNR/L





1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

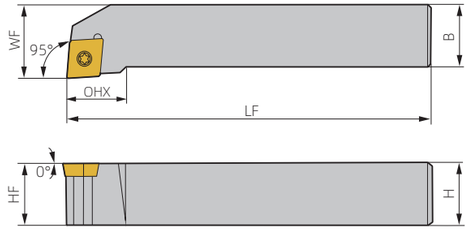
型号 Specification	DMIN	DCON	H	LF	WF	OHN	MIID	刀垫 Shim	扳手 Wrench	压板 Clamp	压板螺钉 Clamping Screw	螺钉 Screw
S25R-DWLNR/L08	32	25	23	200	17	40	WN..0804..	DFDS1u	L030,Q15	DFDS2y	DFDS0i	DFDSn
S32S-DWLNR/L08	40	32	30	250	22	45	WN..0804..	DFDS1t	L030,Q15	DFDS2u	DFDS0h	DFDS1b
S40T-DWLNR/L08	50	40	37	300	24	50	WN..0804..	DFDS1t	L040,L030	DFDS2u	DFDS0h	DFDS1b
S50U-DWLNR/L08	60	50	47	350	29	55	WN..0804..	DFDS1t	L040,L030	DFDS2u	DFDS0h	DFDS1b

刀片Insert → DA026-027

车刀体 Turning Holder

外圆车刀-SCLCR/L
External Turning Tool-SCLCR/L





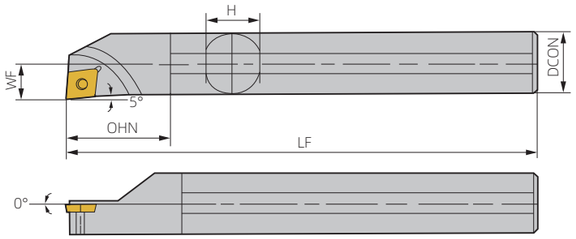
1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

型号 Specification	H	B	LF	HF	WF	OHX	MIID	螺钉 Screw	扳手 Wrench
SCLCR/L1212F09	12	12	80	12	15	16	CC.T09T3..	DFDS0m	Q15
SCLCR/L1616H09	16	16	100	16	20	16	CC.T09T3..	DFDS0m	Q15
SCLCR/L2020K09	20	20	125	20	23	20	CC.T09T3..	DFDS0m	Q15
SCLCR/L2020K12	20	20	125	20	24	25	CC.T1204..	DFDS0q	Q20
SCLCR/L2525M12	25	25	150	25	29	25	CC.T1204..	DFDS0q	Q20
SCLCR/L3232P12	32	32	170	32	36	38	CC.T1204..	DFDS0q	Q20

内孔车刀-SCLCR/L
Internal Turning Tool-SCLCR/L





1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

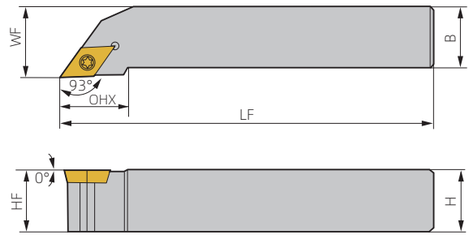
型号 Specification	DMIN	DCON	H	LF	WF	OHN	MIID	螺钉 Screw	扳手 Wrench
S07K-SCLCR/L06	9	7	3	125	4.6	15	CC.T0602..	DFDS0o	Q08
S08K-SCLCR/L06	10	8	7	125	4.5	14	CC.T0602..	DFDS0o	Q08
S10K-SCLCR/L06	12	10	9	125	6.0	17	CC.T0602..	DFDS0o	Q08
S12M-SCLCR/L06	16	12	11	150	7.0	17	CC.T0602..	DFDS0o	Q08
S12M-SCLCR/L09	16	12	11	150	8.0	25	CC.T09T3..	DFDS0m	Q15
S16Q-SCLCR/L09	20	16	15	180	9.0	27	CC.T09T3..	DFDS0m	Q15
S20Q-SCLCR/L09	25	20	18	180	11.0	28	CC.T09T3..	DFDS0m	Q15
S25R-SCLCR/L09	32	25	23	200	14.0	35	CC.T09T3..	DFDS0m	Q15
S25R-SCLCR/L12	32	25	23	200	17.0	38	CC.T1204..	DFDS0q	Q20
S32S-SCLCR/L12	36	32	30	250	18.0	45	CC.T1204..	DFDS0q	Q20
S40T-SCLCR/L12	50	40	37	300	27.0	60	CC.T1204..	DFDS0q	Q20

刀片Insert → DA028-028

车刀体 Turning Holder

外圆车刀-SDJCR/L
External Turning Tool-SDJCR/L





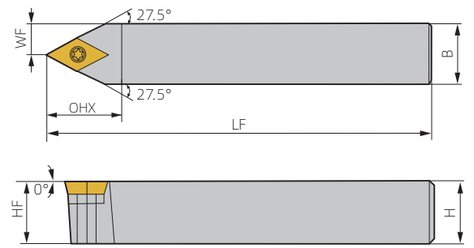
1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

型号 Specification	H	B	LF	HF	WF	OHX	MIID	螺钉 Screw	扳手 Wrench
SDJCR/L1010E07	10	10	70	10	12	15	DC.T0702..	DFDS0o	Q08
SDJCR/L1212F07	12	12	80	12	14	15	DC.T0702..	DFDS0o	Q08
SDJCR/L1616H07	16	16	100	16	18	18	DC.T0702..	DFDS0o	Q08
SDJCR/L2020K07	20	20	125	20	22	18	DC.T0702..	DFDS0o	Q08
SDJCR/L1616H11	16	16	100	16	19	20	DC.T11T3..	DFDS0m	Q15
SDJCR/L2020K11	20	20	125	20	23	26	DC.T11T3..	DFDS0m	Q15
SDJCR/L2525M11	25	25	150	25	28	26	DC.T11T3..	DFDS0m	Q15
SDJCR/L3232P11	32	32	170	32	35	31	DC.T11T3..	DFDS0m	Q15

外圆车刀-SDNCN
External Turning Tool-SDNCN





1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

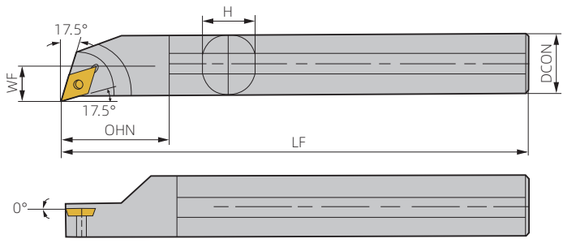
型号 Specification	H	B	LF	HF	WF	OHX	MIID	螺钉 Screw	扳手 Wrench
SDNCN1010E07	10	10	70	10	5.0	16	DC.T0702..	DFDS0o	Q08
SDNCN1212F07	12	12	80	12	6.0	20	DC.T0702..	DFDS0o	Q08
SDNCN1212H11	12	12	100	12	6.0	22	DC.T11T3..	DFDS0m	Q15
SDNCN1616H11	16	16	100	16	8.0	22	DC.T11T3..	DFDS0m	Q15
SDNCN2020K11	20	20	125	20	10.0	22	DC.T11T3..	DFDS0m	Q15
SDNCN2525M11	25	25	150	25	12.5	22	DC.T11T3..	DFDS0m	Q15

刀片Insert → DA029-029

车刀体 Turning Holder

内孔车刀-SDQCR/L
Internal Turning Tool-SDQCR/L





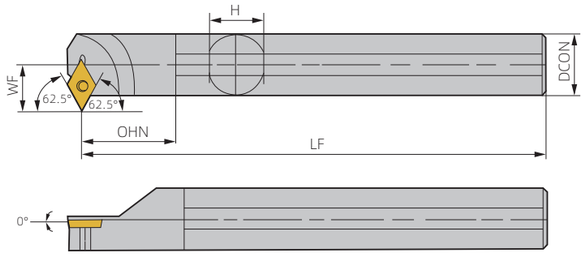
1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

型号 Specification	DMIN	DCON	H	LF	WF	OHN	MIID	螺钉 Screw	扳手 Wrench
S08K-SDQCR/L07	10	8	7	125	6	-	DC.T0702..	DFDS0o	Q08
S10K-SDQCR/L07	13	10	9	125	7	20	DC.T0702..	DFDS0o	Q08
S12M-SDQCR/L07	16	12	11	150	9	22	DC.T0702..	DFDS0o	Q08
S16Q-SDQCR/L07	20	16	15	180	11	27	DC.T0702..	DFDS0o	Q08
S20Q-SDQCR/L11	25	20	18	180	13	35	DC.T11T3..	DFDS0m	Q15
S25R-SDQCR/L11	32	25	23	200	17	38	DC.T11T3..	DFDS0m	Q15

内孔车刀-SDWCR/L
Internal Turning Tool-SDWCR/L





1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

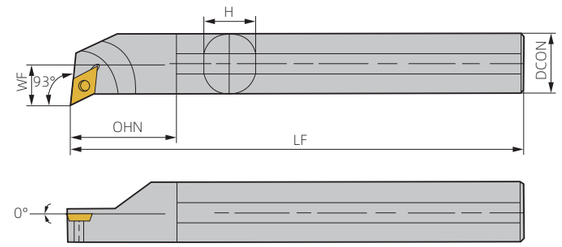
型号 Specification	DMIN	DCON	H	LF	WF	OHN	MIID	螺钉 Screw	扳手 Wrench
S12M-SDWCR/L07	19	12	11	125	11.0	15	DC.T0702..	DFDS0o	Q08
S16Q-SDWCR/L07	23	16	15	180	12.5	15	DC.T0702..	DFDS0o	Q08
S20Q-SDWCR/L07	27	20	19	180	14.5	22	DC.T0702..	DFDS0o	Q08
S20Q-SDWCR/L11	27	20	19	180	14.5	25	DC.T11T3..	DFDS0m	Q15
S25R-SDWCR/L11	32	25	24	200	18.0	25	DC.T11T3..	DFDS0m	Q15

刀片Insert → DA029-029

车刀体 Turning Holder

内孔车刀-SDUCR/L
Internal Turning Tool-SDUCR/L





1.单位：mm
2.刀片单独订购

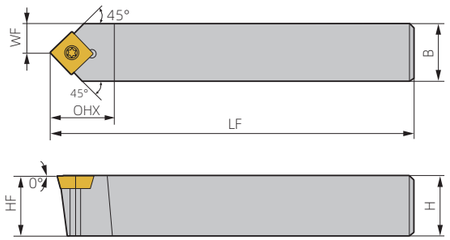
1.Unit：mm
2.Insert ordered separately.

型号 Specification	DMIN	DCON	H	LF	WF	OHN	MIID	螺钉 Screw	扳手 Wrench
S08K-SDUCR/L07	13	8	7.5	125	8.0	-	DC.T0702..	DFDS0o	Q08
S10K-SDUCR/L07	13	10	9.0	125	7.7	-	DC.T0702..	DFDS0o	Q08
S12M-SDUCR/L07	16	12	11.0	150	8.5	22	DC.T0702..	DFDS0o	Q08
S16Q-SDUCR/L07	20	16	15.0	180	11.0	27	DC.T0702..	DFDS0o	Q08
S20Q-SDUCR/L11	25	20	18.0	180	14.5	30	DC.T11T3..	DFDS0m	Q15
S25R-SDUCR/L11	32	25	23.0	200	18.5	35	DC.T11T3..	DFDS0m	Q15

刀片Insert → DA029-029

外圆车刀-SSDCN
External Turning Tool-SSDCN





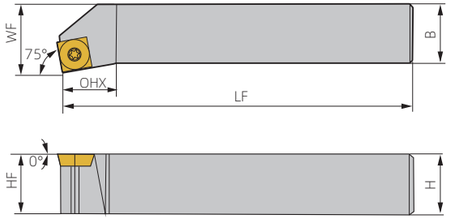
1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

型号 Specification	H	B	LF	HF	WF	OHX	MIID	螺钉 Screw	扳手 Wrench
SSDCN1212F09	12	12	80	12	6.0	16	SC.T09T3..	DFDS0m	Q15
SSDCN1616H09	16	16	100	16	8.0	16	SC.T09T3..	DFDS0m	Q15
SSDCN2020K09	20	20	125	20	10.0	16	SC.T09T3..	DFDS0m	Q15
SSDCN2525M09	25	25	150	25	12.5	25	SC.T09T3..	DFDS0m	Q15
SSDCN2020K12	20	20	125	20	10.0	25	SC.T1204..	DFDS0q	Q20
SSDCN2525M12	25	25	150	25	12.5	25	SC.T1204..	DFDS0q	Q20
SSDCN3232P12	32	32	170	32	16.0	25	SC.T1204..	DFDS0q	Q20

外圆车刀-SSKCR/L
External Turning Tool-SSKCR/L





1.单位：mm
2.刀片单独订购

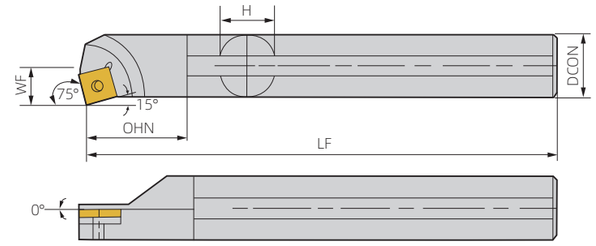
1.Unit：mm
2.Insert ordered separately.

型号 Specification	H	B	LF	HF	WF	OHX	MIID	螺钉 Screw	扳手 Wrench
SSKCR/L1616H09	16	16	100	16	20	13	SC.T09T3..	DFDS0m	Q15
SSKCR/L2020K09	20	20	125	20	25	18	SC.T09T3..	DFDS0m	Q15
SSKCR/L2020M12	20	20	125	20	25	18	SC.T1204..	DFDS0q	Q20
SSKCR/L2525M12	25	25	150	25	32	22	SC.T1204..	DFDS0q	Q20
SSKCR/L3232P12	32	32	170	32	40	27	SC.T1204..	DFDS0q	Q20

刀片Insert → DA030-030

内孔车刀-SSKCR/L
Internal Turning Tool-SSKCR/L





1.单位：mm
2.刀片单独订购

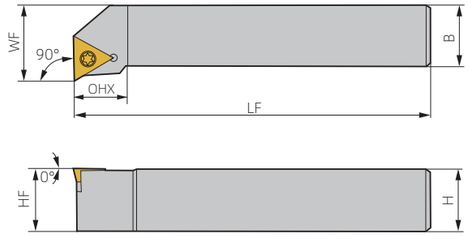
1.Unit：mm
2.Insert ordered separately.

型号 Specification	DMIN	DCON	H	LF	WF	OHN	MIID	螺钉 Screw	扳手 Wrench
S12M-SSKCR/L09	16	12	11.0	150	9	25	SC.T09T3..	DFDS0m	Q15
S16Q-SSKCR/L09	20	16	15.0	180	11	30	SC.T09T3..	DFDS0m	Q15
S20Q-SSKCR/L09	25	20	18.0	180	13	35	SC.T09T3..	DFDS0m	Q15
S25R-SSKCR/L09	32	25	23.0	200	17	40	SC.T09T3..	DFDS0m	Q15
S25R-SSKCR/L12	32	25	23.0	200	17	40	SC.T1204..	DFDS0q	Q20

刀片Insert → DA030-030

外圆车刀-STFCR/L
External Turning Tool-STFCR/L





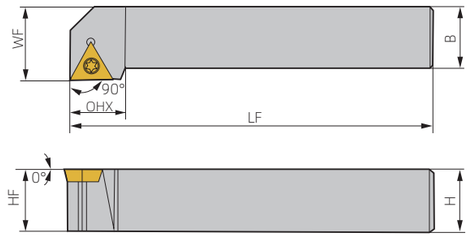
1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

型号 Specification	H	B	LF	HF	WF	OHX	MIID	螺钉 Screw	扳手 Wrench
STFCR/L1212F11	12	12	80	12	14	14	TC.T1102..	DFDS0o	Q08
STFCR/L1616H11	16	16	100	16	18	16	TC.T1102..	DFDS0o	Q08
STFCR/L2020K11	20	20	125	20	22	16	TC.T1102..	DFDS0o	Q08
STFCR/L1616H16	16	16	100	16	18	19	TC.T16T3..	DFDS0m	Q15
STFCR/L2020K16	20	20	125	20	22	19	TC.T16T3..	DFDS0m	Q15
STFCR/L2525M16	25	25	150	25	27	24	TC.T16T3..	DFDS0m	Q15

外圆车刀-STGCR/L
External Turning Tool-STGCR/L





1.单位：mm
2.刀片单独订购

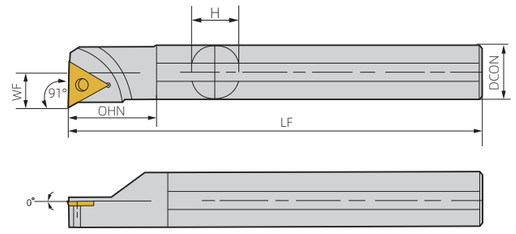
1.Unit：mm
2.Insert ordered separately.

型号 Specification	H	B	LF	HF	WF	OHX	MIID	螺钉 Screw	扳手 Wrench
STGCR/L1212F11	12	12	80	12	14	14	TC.T1102..	DFDS0o	Q08
STGCR/L1616H11	16	16	100	16	17	16	TC.T1102..	DFDS0o	Q08
STGCR/L2020K16	20	20	125	20	22	21	TC.T16T3..	DFDS0m	Q15
STGCR/L2525M16	25	25	150	25	27	21	TC.T16T3..	DFDS0m	Q15

刀片Insert → DA031-031

内孔车刀-STFCR/L
Internal Turning Tool-STFCR/L





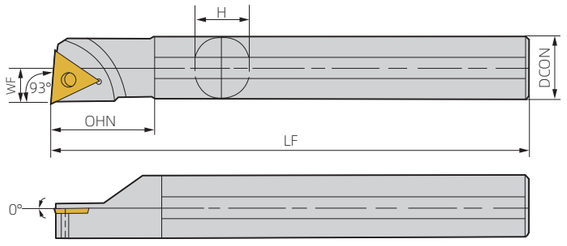
1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

型号 Specification	DMIN	DCON	H	LF	WF	OHN	MIID	螺钉 Screw	扳手 Wrench
S12M-STFCR/L11	14	12	11	150	6.5	25	TC.T1102..	DFDS0o	Q08
S16Q-STFCR/L11	18	16	15	180	9.0	25	TC.T1102..	DFDS0o	Q08
S20Q-STFCR/L11	25	20	18	180	11.0	25	TC.T1102..	DFDS0o	Q08
S25R-STFCR/L16	32	25	23	200	17.0	40	TC.T16T3..	DFDS0m	Q15
S32S-STFCR/L16	36	32	30	250	18.0	50	TC.T16T3..	DFDS0m	Q15
S40T-STFCR/L16	50	40	37	300	25.0	60	TC.T16T3..	DFDS0m	Q15

内孔车刀-STUCR/L
Internal Turning Tool-STUCR/L





1.单位：mm
2.刀片单独订购

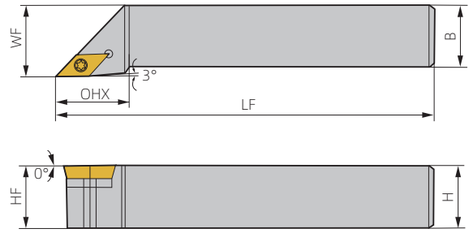
1.Unit：mm
2.Insert ordered separately.

型号 Specification	DMIN	DCON	H	LF	WF	OHN	MIID	螺钉 Screw	扳手 Wrench
S10K-STUCR/L11	13	10	9	125	7	10	TC.T1102..	DFDS0o	Q08
S10K-STUCR/L11-A16	13	16	15	125	7	30	TC.T1102..	DFDS0o	Q08
S12M-STUCR/L11	16	12	11	150	7	25	TC.T1102..	DFDS0o	Q08
S12M-STUCR/L11-A16	16	16	15	150	7	30	TC.T1102..	DFDS0o	Q08
S16Q-STUCR/L11	20	16	15	180	9	25	TC.T1102..	DFDS0o	Q08
S20Q-STUCR/L11	25	20	19	180	11	25	TC.T1102..	DFDS0o	Q08
S25R-STUCR/L11	31	25	24	200	15	34	TC.T1102..	DFDS0o	Q08
S20Q-STUCR/L16	25	20	19	180	13	36	TC.T16T3..	DFDS0m	Q15
S25R-STUCR/L16	31	25	24	200	17	40	TC.T16T3..	DFDS0m	Q15
S32S-STUCR/L16	39	32	30	250	18	50	TC.T16T3..	DFDS0m	Q15
S40T-STUCR/L16	50	40	38	300	25	60	TC.T16T3..	DFDS0m	Q15

刀片Insert → DA031-031

外圆车刀-SVJBR/L
External Turning Tool-SVJBR/L





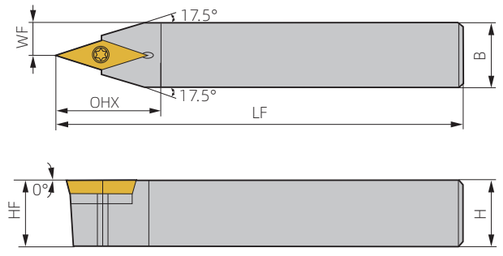
1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

型号 Specification	H	B	LF	HF	WF	OHX	MIID	螺钉 Screw	扳手 Wrench
SVJBR/L1212F11	12	12	80	12	14	27	VB.T1103..	DFDS0o	Q08
SVJBR/L1616H11	16	16	100	16	18	27	VB.T1103..	DFDS0o	Q08
SVJBR/L2020K11	20	20	125	20	22	27	VB.T1103..	DFDS0o	Q08
SVJBR/L2525M11	25	25	150	25	27	27	VB.T1103..	DFDS0o	Q08
SVJBR/L1616H16	16	16	100	16	18	36	VB.T1604..	DFDS0m	Q15
SVJBR/L2020K16	20	20	125	20	22	41	VB.T1604..	DFDS0m	Q15
SVJBR/L2525M16	25	25	150	25	27	41	VB.T1604..	DFDS0m	Q15
SVJBR/L3232P16	32	32	170	32	35	41	VB.T1604..	DFDS0m	Q15

外圆车刀-SVVBN
External Turning Tool-SVVBN





1.单位：mm
2.刀片单独订购

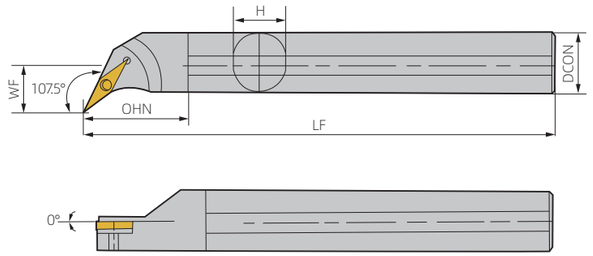
1.Unit：mm
2.Insert ordered separately.

型号 Specification	H	B	LF	HF	WF	OHX	MIID	螺钉 Screw	扳手 Wrench
SVVBN1212F11	12	12	80	12	6.0	22	VB.T1103..	DFDS0o	Q08
SVVBN1616H11	16	16	100	16	8.0	27	VB.T1103..	DFDS0o	Q08
SVVBN2020K11	20	20	125	20	10.0	30	VB.T1103..	DFDS0o	Q08
SVVBN1616H16	16	16	100	16	8.0	33	VB.T1604..	DFDS0m	Q15
SVVBN2020K16	20	20	125	20	10.0	33	VB.T1604..	DFDS0m	Q15
SVVBN2525M16	25	25	150	25	12.5	38	VB.T1604..	DFDS0m	Q15
SVVBN3232P16	32	32	170	32	16.0	38	VB.T1604..	DFDS0m	Q15

刀片Insert → DA032-032

内孔车刀-SVQBR/L
Internal Turning Tool-SVQBR/L





1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

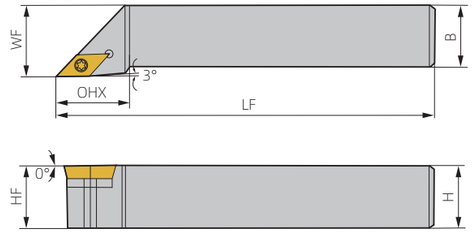
型号 Specification	DMIN	DCON	H	LF	WF	OHN	MIID	螺钉 Screw	扳手 Wrench
S20Q-SVQBR/L16	27	20	18	180	15.0	40	VB.T1604..	DFDS0m	Q15
S25R-SVQBR/L16	32	25	23	200	18.5	45	VB.T1604..	DFDS0m	Q15
S32S-SVQBR/L16	40	32	30	250	22.0	56	VB.T1604..	DFDS0m	Q15
S40T-SVQBR/L16	50	40	37	300	27.0	64	VB.T1604..	DFDS0m	Q15

刀片Insert → DA032-032

车刀体 Turning Holder

外圆车刀-SVJCR/L
External Turning Tool-SVJCR/L





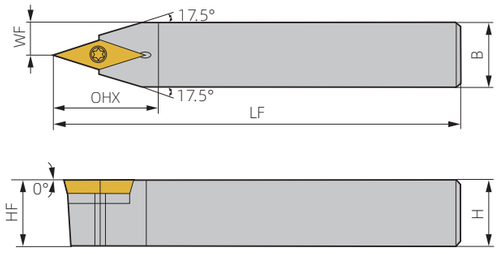
1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

型号 Specification	H	B	LF	HF	WF	OHX	MIID	螺钉 Screw	扳手 Wrench
SVJCR/L1212F11	12	12	80	12	14	20	VC.T1103..	DFDS0o	Q08
SVJCR/L1616H11	16	16	100	16	18	22	VC.T1103..	DFDS0o	Q08
SVJCR/L2020K11	20	20	125	20	22	27	VC.T1103..	DFDS0o	Q08
SVJCR/L2525M11	25	25	150	25	27	35	VC.T1103..	DFDS0o	Q08
SVJCR/L1616H16	16	16	100	16	18	32	VC.T1604..	DFDS0m	Q15
SVJCR/L2020K16	20	20	125	20	22	32	VC.T1604..	DFDS0m	Q15
SVJCR/L2525M16	25	25	150	25	27	35	VC.T1604..	DFDS0m	Q15
SVJCR/L3232P16	32	32	170	32	35	45	VC.T1604..	DFDS0m	Q15

外圆车刀-SVVCN
External Turning Tool-SVVCN





1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

型号 Specification	H	B	LF	HF	WF	OHX	MIID	螺钉 Screw	扳手 Wrench
SVVCN1212F11	12	12	80	12	6.0	22	VC.T1103..	DFDS0o	Q08
SVVCN1616H11	16	16	100	16	8.0	27	VC.T1103..	DFDS0o	Q08
SVVCN2020K11	20	20	125	20	10.0	30	VC.T1103..	DFDS0o	Q08
SVVCN1616H16	16	16	100	16	8.0	33	VC.T1604..	DFDS0m	Q15
SVVCN2020K16	20	20	125	20	10.0	33	VC.T1604..	DFDS0m	Q15
SVVCN2525M16	25	25	150	25	12.5	38	VC.T1604..	DFDS0m	Q15
SVVCN3232P16	32	32	170	32	16.0	38	VC.T1604..	DFDS0m	Q15

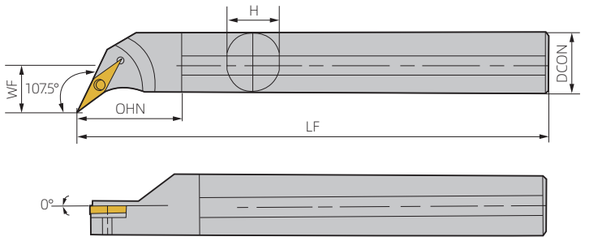
TORKOOL

刀片Insert → DA032-032

车刀体 Turning Holder

内孔车刀-SVQCR/L
Internal Turning Tool-SVQCR/L





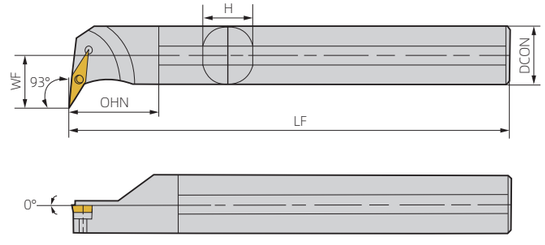
1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

型号 Specification	DMIN	DCON	H	LF	WF	OHN	MIID	螺钉 Screw	扳手 Wrench
S20Q-SVQCR/L16	27	20	18	180	15.0	40	VC.T1604..	DFDS0m	Q15
S25R-SVQCR/L16	32	25	23	200	18.5	45	VC.T1604..	DFDS0m	Q15
S32S-SVQCR/L16	40	32	30	250	22.0	56	VC.T1604..	DFDS0m	Q15
S40T-SVQCR/L16	50	40	37	300	27.0	64	VC.T1604..	DFDS0m	Q15

内孔车刀-SVUCR/L
Internal Turning Tool-SVUCR/L





1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

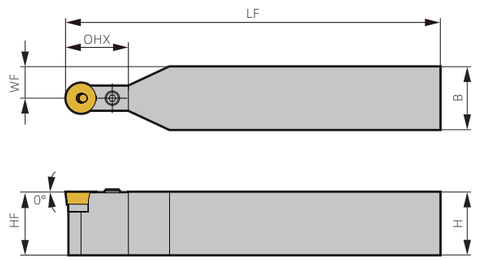
型号 Specification	DMIN	DCON	H	LF	WF	OHN	MIID	螺钉 Screw	扳手 Wrench
S16Q-SVUCR/L11	22	16	15	180	13.5	24	VC.T1103..	DFDS0o	Q08
S20Q-SVUCR/L16	31	20	19	180	19.0	32	VC.T1604..	DFDS0m	Q15
S25R-SVUCR/L16	35	25	23	200	20.0	32	VC.T1604..	DFDS0m	Q15
S32S-SVUCR/L16	42	32	30	250	22.0	49	VC.T1604..	DFDS0m	Q15
S40T-SVUCR/L16	51	40	37	300	27.0	49	VC.T1604..	DFDS0m	Q15

刀片Insert → DA032-032

TORKOOL

外圆车刀-PRDCN
External Turning Tool-PRDCN





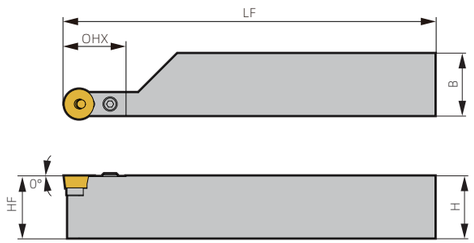
1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

型号 Specification	H	B	LF	HF	WF	OHX	MIID	螺钉 Screw	刀垫 Shim	扳手 Wrench	杠杆 Lever	垫片销 Shim Pin
PRDCN2020K12	20	20	125	20	10.0	25	RCMX1204..	DFDS06	DFDS2e	L025	DFDS3a	DFDS3j
PRDCN2525M12	25	25	150	25	12.5	25	RCMX1204..	DFDS06	DFDS2e	L025	DFDS3a	DFDS3j
PRDCN2525M16	25	25	150	25	10.0	35	RCMX1606..	DFDS08	DFDS2f	L025	DFDS3b	DFDS3k
PRDCN3232P16	32	32	170	32	16.0	32	RCMX1606..	DFDS08	DFDS2f	L025	DFDS3b	DFDS3k
PRDCN3232P20	32	32	170	32	16.0	40	RCMX2006..	DFDS0d	DFDS2g	L030	DFDS3c	DFDS3L
PRDCN4040T20	40	40	300	40	20.0	45	RCMX2006..	DFDS0d	DFDS2g	L030	DFDS3c	DFDS3L
PRDCN3232P25	32	32	170	32	16.0	45	RCMX2507..	DFDS0a	DFDS2h	L040	DFDS3d	DFDS3m
PRDCN4040T25	40	40	300	40	20.0	50	RCMX2507..	DFDS0a	DFDS2h	L040	DFDS3d	DFDS3m

外圆车刀-PRACR/L
External Turning Tool-PRACR/L





1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

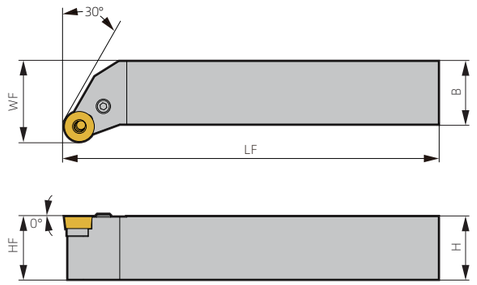
型号 Specification	H	B	LF	HF	OHX	MIID	螺钉 Screw	刀垫 Shim	扳手 Wrench	杠杆 Lever	垫片销 Shim Pin
PRACR/L2020K12	20	20	125	20	30	RCMX1204..	DFDS06	DFDS2e	L025	DFDS3a	DFDS3j
PRACR/L2525M12	25	25	150	25	30	RCMX1204..	DFDS06	DFDS2e	L025	DFDS3a	DFDS3j
PRACR/L2525M16	25	25	150	25	35	RCMX1606..	DFDS08	DFDS2f	L025	DFDS3b	DFDS3k
PRACR/L3232P16	32	32	170	32	35	RCMX1606..	DFDS08	DFDS2f	L025	DFDS3b	DFDS3k
PRACR/L3232P20	32	32	170	32	40	RCMX2006..	DFDS0d	DFDS2g	L030	DFDS3c	DFDS3L
PRACR/L4040T20	40	40	300	40	50	RCMX2006..	DFDS0d	DFDS2g	L030	DFDS3c	DFDS3L
PRACR/L3232P25	32	32	170	32	45	RCMX2507..	DFDS0a	DFDS2h	L040	DFDS3d	DFDS3m
PRACR/L4040T25	40	40	300	40	50	RCMX2507..	DFDS0a	DFDS2h	L040	DFDS3d	DFDS3m

TORKOOL

刀片Insert → DA032-032

外圆车刀-PRGCR/L
External Turning Tool-PRGCR/L





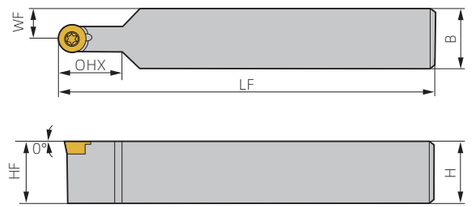
1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

型号 Specification	H	B	LF	HF	WF	MIID	螺钉 Screw	刀垫 Shim	扳手 Wrench	杠杆 Lever	垫片销 Shim Pin
PRGCR/L2020K12	20	20	125	20	25	RCMX1204..	DFDS06	DFDS2e	L025	DFDS3a	DFDS3j
PRGCR/L2525M12	25	25	150	25	32	RCMX1204..	DFDS06	DFDS2e	L025	DFDS3a	DFDS3j
PRGCR/L2525M16	25	25	150	25	35	RCMX1606..	DFDS08	DFDS2f	L025	DFDS3b	DFDS3k
PRGCR/L3232P16	32	32	170	32	42	RCMX1606..	DFDS08	DFDS2f	L025	DFDS3b	DFDS3k
PRGCR/L3232P20	32	32	170	32	40	RCMX2006..	DFDS0d	DFDS2g	L030	DFDS3c	DFDS3L
PRGCR/L4040T20	40	40	300	40	50	RCMX2006..	DFDS0d	DFDS2g	L030	DFDS3c	DFDS3L
PRGCR/L3232P25	32	32	170	32	45	RCMX2507..	DFDS0a	DFDS2h	L040	DFDS3d	DFDS3m
PRGCR/L4040T25	40	40	300	40	56	RCMX2507..	DFDS0a	DFDS2h	L040	DFDS3d	DFDS3m

外圆车刀-SRDCN
External Turning Tool-SRDCN





1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

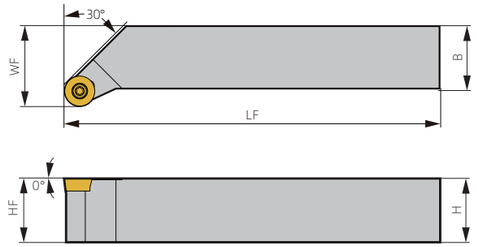
型号 Specification	H	B	LF	HF	WF	OHX	MIID	刀垫螺钉 Shim Screw	扳手 Wrench	刀垫 Shim	刀垫螺钉 Shim Screw	扳手 Wrench
SRDCN2020K10	20	20	125	20	10.0	25	RC.T10T3..	DFDS0r	Q15	-	-	-
SRDCN2525M10	25	25	150	25	12.5	25	RC.T10T3..	DFDS0r	Q15	-	-	-
SRDCN2020K12	20	20	125	20	10.0	35	RC.T1204..	DFDS0s	Q15	-	-	-
SRDCN2525M12	25	25	150	25	12.5	35	RC.T1204..	DFDS0s	Q15	-	-	-
SRDCN2525M16	25	25	150	25	12.5	35	RC.T1606..	DFDS0t	Q20	DFDS2j	DFDS3q	L040
SRDCN3232P16	32	32	170	32	16.0	40	RC.T1606..	DFDS0t	Q20	DFDS2j	DFDS3q	L040

刀片Insert → DA032-032

TORKOOL

外圆车刀-SRGCR/L
External Turning Tool-SRGCR/L





1.单位：mm
2.刀片单独订购

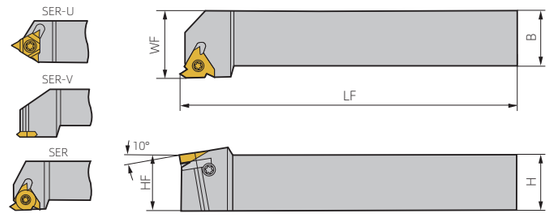
1.Unit：mm
2.Insert ordered separately.

型号 Specification	H	B	LF	HF	WF	MIID	刀垫螺钉 Shim Screw	扳手 Wrench	刀垫 Shim	刀垫螺钉 Shim Screw	扳手 Wrench
SRGCR/L2020K10	20	20	125	20	25	RC.T10T3..	DFDS0r	Q15	-	-	-
SRGCR/L2525M10	25	25	150	25	32	RC.T10T3..	DFDS0r	Q15	-	-	-
SRGCR/L2020K12	20	20	125	20	27	RC.T1204..	DFDS0s	Q15	-	-	-
SRGCR/L2525M12	25	25	150	25	32	RC.T1204..	DFDS0s	Q15	-	-	-
SRGCR/L3232P12	32	32	170	32	32	RC.T1204..	DFDS0s	Q15	-	-	-
SRGCR/L2525M16	25	25	150	25	32	RC.T1606..	DFDS0t	Q20	DFDS2j	DFDS3q	L040
SRGCR/L3232P16	32	32	170	32	40	RC.T1606..	DFDS0t	Q20	DFDS2j	DFDS3q	L040

刀片Insert → DA032-032

外螺纹车刀-SER/L
External Treading Turning Tool-SER/L





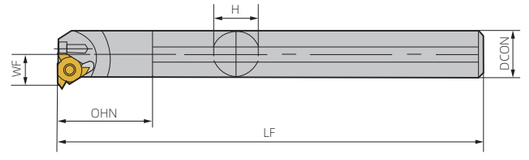
1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

型号 Specification	H	HF	B	LF	WF	MIID	刀片螺钉 Shim Screw	刀垫 Shim	刀垫螺钉 Shim Screw	扳手 Wrench
SER/L1010H11	10	10	10	100	16	11ER/L	DFDS0x	-	-	Q08
SER/L1212H11	12	12	12	100	16	11ER/L	DFDS0x	-	-	Q08
SER/L1616H16	16	16	16	100	20	16ER/L	DFDS0s	DFDS2L	DFDS1e	Q15,L025
SER/L2020K16	20	20	20	125	25	16ER/L	DFDS0s	DFDS2L	DFDS1e	Q15,L025
SER/L2525M16	25	25	25	150	32	16ER/L	DFDS0s	DFDS2L	DFDS1e	Q15,L025
SER/L3232P16	32	32	32	170	40	16ER/L	DFDS0s	DFDS2L	DFDS1e	Q15,L025
SER/L2525M22	25	25	25	150	32	22ER/L	DFDS0t	DFDS2m	DFDS1e	Q20,L025
SER/L3232P22	32	32	32	170	40	22ER/L	DFDS0t	DFDS2m	DFDS1e	Q20,L025
SER/L4040S22	40	40	40	250	50	22ER/L	DFDS0t	DFDS2m	DFDS1e	Q20,L025
SER/L3232P27	32	32	32	170	40	27ER/L	DFDS0y	DFDS2n	DFDS1e	Q20,L025
SER/L4040S27	40	40	40	250	50	27ER/L	DFDS0y	DFDS2n	DFDS1e	Q20,L025

内螺纹车刀-SNR/L
Internal Treading Turning Tool-SNR/L





1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

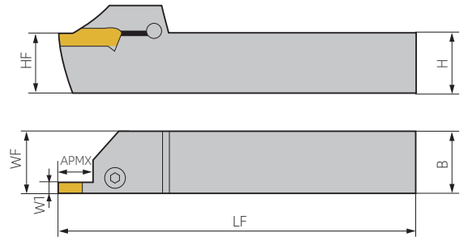
型号 Specification	DCON	LF	DMIN	WF	H	OHN	MIID	刀垫 Shim	刀片螺钉 Shim Screw	扳手 Wrench	刀垫螺钉 Shim Screw
SNR/L0010K11	10	125	12	6	9.5	32	11NR/L	-	DFDS0o	Q08	-
SNR/L0012K11	12	125	16	6	11.5	32	11NR/L	-	DFDS0o	Q08	-
SNR/L0013M16	13	150	16	10	15.5	32	16NR/L	-	DFDS0z	Q15	-
SNR/L0016M16	16	150	20	12	15.5	40	16NR/L	-	DFDS0z	Q15	-
SNR/L0020Q16	20	180	25	14	19.5	40	16NR/L	DFDS2L	DFDS0s	Q15,L025	DFDS1e
SNR/L0025R16	25	200	30	16	24.0	45	16NR/L	DFDS2L	DFDS0s	Q15,L025	DFDS1e
SNR/L0032S16	32	250	38	20	30.0	55	16NR/L	DFDS2L	DFDS0s	Q15,L025	DFDS1e
SNR/L0025R22	25	200	30	18	24.0	45	22NR/L	DFDS2m	DFDS0s	Q20,L025	DFDS1e
SNR/L0032S22	32	250	38	22	30.0	55	22NR/L	DFDS2m	DFDS0t	Q20,L025	DFDS1e
SNR/L0040T22	40	300	46	26	38.0	60	22NR/L	DFDS2m	DFDS0t	Q20,L025	DFDS1e
SNR/L0032S27	32	250	40	24	30.0	55	27NR/L	DFDS2n	DFDS0y	Q20,L025	DFDS1e
SNR/L0040T27	40	300	50	30	38.0	60	27NR/L	DFDS2n	DFDS0y	Q20,L025	DFDS1e

刀片Insert → DC007-015

车刀体 Turning Holder

外圆槽刀-MGEHR/L
External Grooving Turning Tool-MGEHR/L





1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

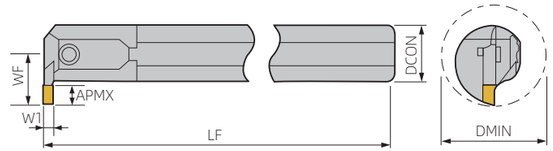
型号 Specification	H	HF	B	LF	WF	W1	APMX	MIID	刀垫螺钉 Shim Screw	扳手 Wrench
MGEHR/L1616-2	16.00	16.00	16.00	100.00	16.00	2.00	14.50	M..N200..	DFDS10	L040
MGEHR/L2020-2	20.00	20.00	20.00	125.00	20.00	2.00	14.50	M..N200..	DFDS11	L050
MGEHR/L2525-2	25.00	25.00	25.00	150.00	25.00	2.00	14.50	M..N200..	DFDS11	L050
MGEHR/L1616-2.5	16.00	16.00	16.00	100.00	16.25	2.50	16.50	M..N250..	DFDS10	L040
MGEHR/L2020-2.5	20.00	20.00	20.00	125.00	20.25	2.50	16.50	M..N250..	DFDS11	L050
MGEHR/L2525-2.5	25.00	25.00	25.00	150.00	25.25	2.50	16.50	M..N250..	DFDS11	L050
MGEHR/L1616-3	16.00	16.00	16.00	100.00	16.30	3.00	18.00	M..N300..	DFDS10	L040
MGEHR/L2020-3	20.00	20.00	20.00	125.00	20.30	3.00	18.00	M..N300..	DFDS11	L050
MGEHR/L2020-3-T10	20.00	20.00	20.00	125.00	20.30	3.00	10.00	M..N300..	DFDS11	L050
MGEHR/L2525-3	25.00	25.00	25.00	150.00	25.30	3.00	18.00	M..N300..	DFDS11	L050
MGEHR/L2525-3-T10	25.00	25.00	25.00	150.00	25.30	3.00	10.00	M..N300..	DFDS11	L050
MGEHR/L3232-3	32.00	32.00	32.00	170.00	32.00	3.00	18.00	M..N300..	DFDS11	L050
MGEHR/L3232-3-T10	32.00	32.00	32.00	170.00	32.00	3.00	10.00	M..N300..	DFDS11	L050
MGEHR/L2020-4	20.00	20.00	20.00	125.00	20.50	4.00	18.00	M..N400..	DFDS11	L050
MGEHR/L2020-4-T10	20.00	20.00	20.00	125.00	20.50	4.00	10.00	M..N400..	DFDS11	L050
MGEHR/L2525-4	25.00	25.00	25.00	150.00	25.50	4.00	18.00	M..N400..	DFDS11	L050
MGEHR/L2525-4-T10	25.00	25.00	25.00	150.00	25.50	4.00	10.00	M..N400..	DFDS11	L050
MGEHR/L3232-4	32.00	32.00	32.00	170.00	32.50	4.00	18.00	M..N400..	DFDS11	L050
MGEHR/L3232-4-T10	32.00	32.00	32.00	170.00	32.50	4.00	10.00	M..N400..	DFDS11	L050
MGEHR/L2020-5	20.00	20.00	20.00	150.00	20.50	5.00	23.00	M..N500..	DFDS11	L050
MGEHR/L2020-5-T15	20.00	20.00	20.00	150.00	20.50	5.00	15.00	M..N500..	DFDS11	L050
MGEHR/L2525-5	25.00	25.00	25.00	150.00	25.50	5.00	23.00	M..N500..	DFDS11	L050
MGEHR/L2525-5-T15	25.00	25.00	25.00	150.00	25.50	5.00	15.00	M..N500..	DFDS11	L050
MGEHR/L3232-5	32.00	32.00	32.00	170.00	32.50	5.00	23.00	M..N500..	DFDS11	L050
MGEHR/L3232-5-T15	32.00	32.00	32.00	170.00	32.50	5.00	15.00	M..N500..	DFDS11	L050
MGEHR/L2020-6	20.00	20.00	20.00	125.00	20.00	6.00	23.00	M..N600..	DFDS11	L050
MGEHR/L2020-6-T10	20.00	20.00	20.00	125.00	20.00	6.00	10.00	M..N600..	DFDS11	L050
MGEHR/L2525-6	25.00	25.00	25.00	150.00	25.60	6.00	23.00	M..N600..	DFDS11	L050
MGEHR/L2525-6-T15	25.00	25.00	25.00	150.00	25.60	6.00	15.00	M..N600..	DFDS11	L050
MGEHR/L3232-6	32.00	32.00	32.00	170.00	32.60	6.00	23.00	M..N600..	DFDS11	L050
MGEHR/L3232-6-T15	32.00	32.00	32.00	170.00	32.60	6.00	15.00	M..N600..	DFDS11	L050

刀片Insert → DD005-006

车刀体 Turning Holder

内孔槽刀-MGIVR/L
Internal Grooving Turning Tool-MGIVR/L





1.单位：mm
2.刀片单独订购

1.Unit：mm
2.Insert ordered separately.

型号 Specification	DMIN	DCON	LF	WF	W1	APMX	MIID	刀垫螺钉 Shim Screw	扳手 Wrench
MGIVR/L2016-1.5	20	16.00	180.00	11.30	1.50	3.00	M..N150..	DFDS12	L030
MGIVR/L2520-1.5	25	20.00	180.00	13.10	1.50	4.00	M..N150..	DFDS10	L040
MGIVR/L2925-1.5	29	25.00	200.00	16.20	1.50	4.00	M..N150..	DFDS10	L040
MGIVR/L2016-2	20	16.00	125.00	12.40	2.00	3.00	M..N200..	DFDS12	L030
MGIVR/L2520-2	25	20.00	125.00	14.00	2.00	5.00	M..N200..	DFDS10	L040
MGIVR/L2925-2	29	25.00	200.00	17.20	2.00	5.00	M..N200..	DFDS10	L040
MGIVR/L2016-2.5	20	16.00	125.00	12.50	2.50	6.00	M..N250..	DFDS12	L030
MGIVR/L2520-2.5	25	20.00	180.00	15.10	2.50	6.00	M..N250..	DFDS10	L040
MGIVR/L2925-2.5	29	25.00	200.00	18.20	2.50	6.00	M..N250..	DFDS10	L040
MGIVR/L2520-3	25	20.00	180.00	15.60	3.00	6.00	M..N300..	DFDS10	L040
MGIVR/L3125-3	31	25.00	200.00	18.90	3.00	5.00	M..N300..	DFDS10	L040
MGIVR/L3732-3	37	32.00	250.00	21.50	3.00	6.00	M..N300..	DFDS3s	L040
MGIVR/L2520-4	25	20.00	180.00	15.60	4.00	6.00	M..N400..	DFDS10	L040
MGIVR/L3125-4	31	25.00	200.00	18.90	4.00	6.00	M..N400..	DFDS10	L040
MGIVR/L3732-4	37	32.00	250.00	21.50	4.00	6.00	M..N400..	DFDS3s	L040
MGIVR/L3125-5	31	25.00	200.00	19.10	5.00	8.00	M..N500..	DFDS11	L050
MGIVR/L3732-5	37	32.00	250.00	21.50	5.00	8.00	M..N500..	DFDS11	L050
MGIVR/L3125-6	31	25.00	200.00	19.40	6.00	8.00	M..N600..	DFDS11	L050
MGIVR/L3732-6	37	32.00	250.00	21.50	6.00	8.00	M..N600..	DFDS11	L050
MGIVR/L3732-8	37	32.00	250.00	23.20	8.00	10.00	M..N800..	DFDS11	L050
MGIVR/L4540-8	45	40.00	300.00	27.20	8.00	10.00	M..N800..	DFDS11	L050
MGIVR/L3125-6A	31	25.00	200.00	19.40	6.00	8.00	M..N600..	DFDS11	L050
MGIVR/L3732-6A	37	32.00	250.00	21.50	6.00	8.00	M..N600..	DFDS11	L050
MGIVR/L3732-8A	37	32.00	250.00	23.40	8.00	10.00	M..N800..	DFDS11	L050
MGIVR/L4540-8A	45	40.00	300.00	27.20	8.00	10.00	M..N800..	DFDS11	L050

刀片Insert → DD005-006



DG

MILLING HOLDER
铣刀体

AN90-12 Square Shoulder Face Milling Cutter
AN90-12方肩铣刀盘 DG005-005

AN90-12 Square Shoulder End Milling Cutter
AN90-12方肩立铣刀杆 DG006-006

AN90-17 Square Shoulder Face Milling Cutter
AN90-17方肩铣刀盘 DG007-007

AN90-17 Square Shoulder End Milling Cutter
AN90-17方肩立铣刀杆 DG008-008

EN90 Square Shoulder Face Milling Cutter
EN90方肩铣刀盘 DG009-009

EN90 Square Shoulder End Milling Cutter
EN90方肩立铣刀杆 DG010-010

LN90-09 Tangentially Clamped Square Shoulder Face Milling Cutter
LN90-09立装方肩铣刀盘 DG011-011

LN90-09 Tangentially Clamped Square Shoulder End Milling Cutter
LN90-09立装方肩铣刀杆 DG012-012

LN90-09 Tangentially Clamped Extended Flute End Milling Cutter
LN90-09玉米铣刀杆 DG013-013

LN90-12 Tangentially Clamped Square Shoulder Face Milling Cutter
LN90-12立装方肩铣刀盘 DG014-014

LN90-12 Tangentially Clamped Square Shoulder End Milling Cutter
LN90-12立装方肩铣刀杆 DG015-015

LN90-12 Tangentially Clamped Extended Flute Shell Mill
LN90-12玉米铣刀盘 DG016-016

LN90-16 Tangentially Clamped Square Shoulder Face Milling Cutter
LN90-16立装方肩铣刀盘 DG017-017

LN90-16 Tangentially Clamped Extended Flute Shell Mill
LN90-16玉米铣刀盘 DG018-018

TN90-07 Square Shoulder Face Milling Cutter
TN90-07方肩铣刀盘 DG019-019

TN90-07 Square Shoulder End Milling Cutter
TN90-07方肩立铣刀杆 DG020-020

TN90-13 Square Shoulder Face Milling Cutter
TN90-13方肩铣刀盘 DG021-021

TN90-13 Square Shoulder End Milling Cutter
TN90-13方肩立铣刀杆 DG022-022

WN90 Square Shoulder Face Milling Cutter
WN90方肩铣刀盘 DG023-023

SD90-08 Square Shoulder Face Milling Cutter
SD90-08方肩铣刀盘 DG024-024

SD90-08 Square Shoulder End Milling Cutter
SD90-08方肩立铣刀杆 DG025-025

SD90-14 Square Shoulder Face Milling Cutter
SD90-14方肩铣刀盘 DG026-026

SD90-14 Square Shoulder End Milling Cutter
SD90-14方肩立铣刀杆 DG027-027

Square Shoulder Face Milling Cutter
TD90-15方肩铣刀盘 DG028-028

ASM07 Square Shoulder End Milling Cutter
ASM07方肩立铣刀杆 DG029-029

400R Square Shoulder Face Milling Cutter
400R方肩面铣刀盘 DG030-030

300R Square Shoulder End Milling Cutter
300R方肩立铣刀杆 DG031-031

400R Square Shoulder End Milling Cutter
400R方肩立铣刀杆 DG032-032

LN03-17° High Feed Face Milling Cutter
LN03型17°快进给铣刀盘 DG033-033

LN03-17° High Feed End Milling Cutter
LN03型17°快进给铣刀杆 DG034-034

SD15-15° High Feed Face Milling Cutter
SD15型15°快进给铣刀盘 DG035-035

SD16-16° High Feed Face Milling Cutter
SO16型16°快进给铣刀盘 DG036-036

DG

MILLING HOLDER
铣刀体

HN45°Face Miling Cutter
HN45型45°面铣刀盘 **DG037-037**

SN45°Face Miling Cutter
SN45型45°面铣刀盘 **DG038-038**

EMR Round Inserts Face Milling Cutter
EMR圆刀片铣刀盘 **DG039-039**

EMR Round Inserts End Milling Cutter
EMR圆刀片立铣刀杆 **DG040-040**

CNHX Full Slot Disk Type Slotting Cutter
CNHX-锯片型三面刃刀盘 **DG041-041**

ZNHT Full Slot Flange-Type Slotting Cutter
ZNHT三面刃铣刀盘 **DG042-042**

ZNHT Full Slot Disk Type Slotting Cutter
ZNHT锯片型三面刃铣刀盘 **DG043-044**

可转位刀具
Indexable Tool

AN90-12 | 方肩铣刀盘 Square Shoulder Face Milling Cutter

90° KAPR | ISO 6462 | 粗加工 | 平面加工 | 槽加工 | 台阶面加工



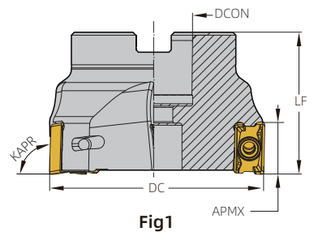


Fig1

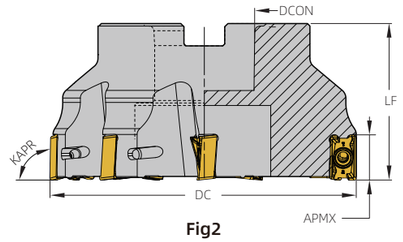


Fig2

1.单位Unit：mm
2.本图所示为右手刀Fig is R
3.冷却方式Coolant hole：内冷孔 O、外冷E、微量冷却Q、精准冷却A

1.Unit: mm
2.This picture shows a right-hand cutter.
3.Cooling methods: internal cooling hole "O", external cooling "E", trace amount coolant "Q", accurate cooling "A".

形式 From	型号 Specification	刃数 Teeth	图 Fig	DC	DCON	LF	APMX	刀体安装螺钉 Screw of cutting body	刀体安装扳手 Wrench of cutting body	冷却方式 Cooling Mode	WT(kg)
疏齿型 Thinning Type	AN90A040-12L04	4	1	40	16	40	11.5	EECZ0L	L060	E	0.23
	AN90A050-12L05	5	1	50	22	40	11.5	EECZ0d	L080	E	0.31
	AN90A063-12L06	6	1	63	22	40	11.5	EECZ0d	L080	E	0.56
	AN90A080-12L08	8	2	80	27	50	11.5	EECZ0e	L100	E	1.12
标准型 Standard Type	AN90A040-12M06	6	1	40	16	40	11.5	EECZ0L	L060	E	0.22
	AN90A050-12M07	7	1	50	22	40	11.5	EECZ0d	L080	E	0.32
	AN90A063-12M09	9	1	63	22	40	11.5	EECZ0d	L080	E	0.56
	AN90A080-12M10	10	2	80	27	50	11.5	EECZ0e	L100	E	1.11
密齿型 Multiple Edge Type	AN90A040-12H07	7	1	40	16	40	11.5	EECZ0L	L060	E	0.23
	AN90A050-12H09	9	1	50	22	40	11.5	EECZ0d	L080	E	0.32

注1：刀盘上不附带刀体安装螺钉，刀体安装螺钉需单独购买；
注2：铣刀柄长度超过2.5L/D，请适当降低转速；
注3：建议使用冷却液，进行湿式加工。

Note 1：The screw is not included in the milling cutter，it must be purchased separately;
Note 2：If the length of milling holder exceeds 2.5*Diameter, please reduce the speed properly;
Note 3: It is recommended to use coolant liquid for wet machining.

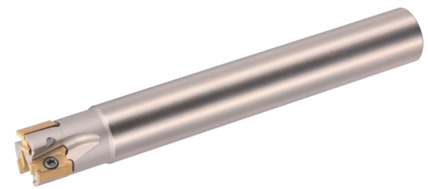
配件清单 Parts list

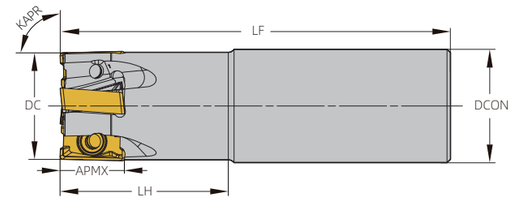
刀盘型号 Specification Of Face Milling Cutter		
AN90○○○○-12○○○	DGDR01	TS10

刀片Insert → DB013

AN90-12 | 方肩立铣刀杆 Square Shoulder End Milling Cutter

90° KAPR | ISO 6462 | 粗加工 | 平面加工 | 槽加工 | 台阶面加工





1.单位Unit：mm
2.本图所示为右手刀Fig is R
3.冷却方式Coolant hole：内冷孔 O、外冷E、微量冷却Q、精准冷却A

1.Unit: mm
2.This picture shows a right-hand cutter.
3.Cooling methods: internal cooling hole "O", external cooling "E", trace amount coolant "Q", accurate cooling "A".

形式 From	型号 Specification	刃数 Teeth	图 Fig	DC	DCON	LF	LH	APMX	冷却方式 Cooling Mode	WT(kg)
标准型 Standard Type	AN90R20150A20-12M02	2	1	20	20	150	28	11.5	E	0.23
	AN90R25170A25-12M03	3	1	25	25	170	43	11.5	E	0.31
	AN90R32200A32-12M04	4	1	32	32	200	49	11.5	E	0.56
	AN90R40200A32-12M05	5	1	40	32	200	49	11.5	E	1.12
密齿型 Multiple Edge Type	AN90R20090A20-12H03	3	1	20	20	90	28	11.5	E	0.21
	AN90R20150A20-12H03	3	1	20	20	150	28	11.5	E	0.33
	AN90R25100A25-12H04	4	1	25	25	100	43	11.5	E	0.33
	AN90R25170A25-12H04	4	1	25	25	170	43	11.5	E	0.59
	AN90R32110A32-12H05	5	1	32	32	110	49	11.5	E	0.61
	AN90R32200A32-12H05	5	1	32	32	200	49	11.5	E	1.17

注：铣刀柄长度超过3.5L/D，请适当降低转速.

Note 1：If the length of milling holder exceeds 2.5*Diameter, please reduce the speed properly.

配件清单 Parts list

刀杆型号 Specification Of End Milling Cutter		
AN90○○○○-12○○○	DGDR01	TS10

刀片Insert → DB013

铣刀体 Milling Holder

AN90-17 | 方肩铣刀盘 Square Shoulder Face Milling Cutter

90° KAPR | ISO 6462 | 粗加工 | 平面加工 | 槽加工 | 台阶面加工



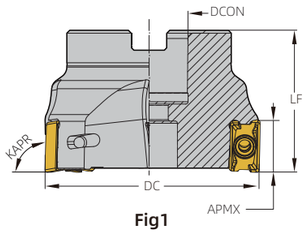


Fig1

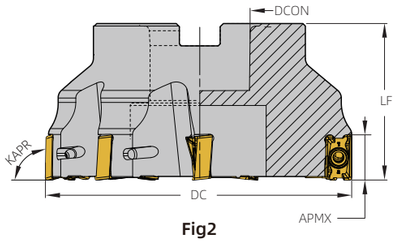


Fig2

1.单位Unit：mm
2.本图所示为右手刀Fig is R
3.冷却方式Coolant hole：内冷孔 O、外冷E、微量冷却Q、精准冷却A

1.Unit: mm
2.This picture shows a right-hand cutter.
3.Cooling methods: internal cooling hole "O", external cooling "E", trace amount coolant "Q", accurate cooling "A".

形式 From	型号 Specification	刃数 Teeth	图 Fig	DC	DCON	LF	APMX	刀体安装螺钉 Screw of cutting body	刀体安装扳手 Wrench of cutting body	冷却方式 Cooling Mode	WT(kg)
疏齿型 Thinning Type	AN90A050-17L04	4	1	50	22	40	16.5	EECZ0d	L080	E	0.28
	AN90A063-17L05	5	1	63	22	40	16.5	EECZ0d	L080	E	0.50
	AN90A080-17L05	5	1	80	27	50	16.5	EECZ0e	L100	E	1.03
	AN90B100-17L06	6	2	100	32	50	16.5	EECZ0i	L140	E	1.58
	AN90B125-17L07	7	2	125	40	63	16.5	EECZ0j	L170	E	2.93
标准型 Standard Type	AN90A050-17M05	5	1	50	22	40	16.5	EECZ0d	L080	E	0.28
	AN90A063-17M06	6	1	63	22	40	16.5	EECZ0d	L080	E	0.49
	AN90A080-17M07	7	1	80	27	50	16.5	EECZ0e	L100	E	1.02
	AN90B100-17M08	8	2	100	32	50	16.5	EECZ0i	L140	E	1.57
	AN90B125-17M09	9	2	125	40	63	16.5	EECZ0j	L170	E	2.98
密齿型 Multiple Edge Type	AN90A050-17H06	6	1	50	22	40	16.5	EECZ0d	L080	E	0.27
	AN90A063-17H07	7	1	63	22	40	16.5	EECZ0d	L080	E	0.50
	AN90A080-17H09	9	1	80	27	50	16.5	EECZ0e	L100	E	1.04
	AN90B100-17H11	11	2	100	32	50	16.5	EECZ0i	L140	E	1.64
	AN90B125-17H12	12	2	125	40	63	16.5	EECZ0j	L170	E	3.00

注1：刀盘上不附带刀体安装螺钉，刀体安装螺钉需单独购买；
注2：铣刀柄长度超过2.5L/D，请适当降低转速；
注3：建议使用冷却液，进行湿式加工。

Note 1：The screw is not included in the milling cutter，it must be purchased separately;
Note 2：If the length of milling holder exceeds 2.5*Diameter, please reduce the speed properly;
Note 3: It is recommended to use coolant for wet machining.

配件清单 Parts list

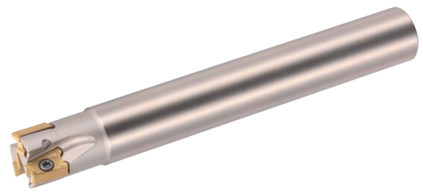
刀盘型号 Specification Of Face Milling Cutter		
AN90○○○○-17○○○	DGDR02	TS15

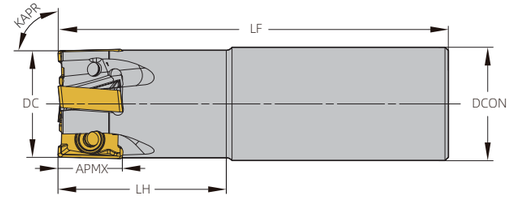
刀片Insert → DB013

铣刀体 Milling Holder

AN90-17 | 方肩立铣刀杆 Square Shoulder End Milling Cutter

90° KAPR | ISO 6462 | 粗加工 | 平面加工 | 槽加工 | 台阶面加工





1.单位Unit：mm
2.本图所示为右手刀Fig is R
3.冷却方式Coolant hole：内冷孔 O、外冷E、微量冷却Q、精准冷却A

1.Unit: mm
2.This picture shows a right-hand cutter.
3.Cooling methods: internal cooling hole "O", external cooling "E", trace amount coolant "Q", accurate cooling "A".

形式 From	型号 Specification	刃数 Teeth	图 Fig	DC	DCON	LF	LH	APMX	冷却方式 Cooling Mode	WT(kg)
标准型 Standard Type	AN90R25100A25-17M02	2	1	25	25	100	43	16.5	E	0.28
	AN90R25170A25-17M02	2	1	25	25	170	43	16.5	E	0.58
	AN90R32110A32-17M03	3	1	32	32	110	49	16.5	E	0.58
	AN90R32200A32-17M03	3	1	32	32	200	50	16.5	E	1.14
	AN90R40200A32-17M03	3	1	40	32	200	50	16.5	E	1.21
密齿型 Multiple Edge Type	AN90R32110A32-17M04	4	1	32	32	110	49	16.5	E	0.58
	AN90R32200A32-17M04	4	1	32	32	200	50	16.5	E	1.14
	AN90R40200A32-17M04	4	1	40	32	200	50	16.5	E	1.20

注：铣刀柄长度超过3.5L/D，请适当降低转速.

Note 1：If the length of milling holder exceeds 2.5*Diameter, please reduce the speed properly.

配件清单 Parts list

刀杆型号 Specification Of End Milling Cutter		
AN90○○○○-17○○○	DGDR02	TS15

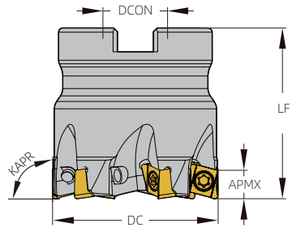
刀片Insert → DB013

铣刀体 Milling Holder

EN90 方肩铣刀盘 Square Shoulder Face Milling Cutter

90° KAPR | ISO 6462 | 粗加工 | 平面加工 | 槽加工 | 台阶面加工





1.单位Unit：mm
2.本图所示为右手刀Fig is R
3.冷却方式Coolant hole：内冷孔 O、外冷E、微量冷却Q、精准冷却A

1.Unit: mm
2.This picture shows a right-hand cutter.
3.Cooling methods: internal cooling hole "O", external cooling "E", trace amount coolant "Q", accurate cooling "A".

形式 From	型号 Specification	刃数 Teeth	图 Fig	DC	DCON	LF	APMX	刀体安装螺钉 Screw of cutting body	刀体安装扳手 Wrench of cutting body	冷却方式 Cooling Mode	WT(kg)
标准型 Standard Type	EN90A050-06M07	7	1	50	22	40	5	EECZ0d	L080	E	0.40
	EN90A063-06M06	6	1	63	22	40	5	EECZ0d	L080	E	0.70
	EN90A080-06M10	10	1	80	27	50	5	EECZ0e	L100	E	1.15

注1：刀盘上不附带刀体安装螺钉，刀体安装螺钉需单独购买；
注2：铣刀柄长度超过2.5L/D，请适当降低转速；
注3：建议使用冷却液，进行湿式加工。

Note 1：The screw is not included in the milling cutter，it must be purchased separately;
Note 2：If the length of milling holder exceeds 2.5*Diameter, please reduce the speed properly;
Note 3: It is recommended to use coolant liquid for wet machining.

配件清单 Parts list

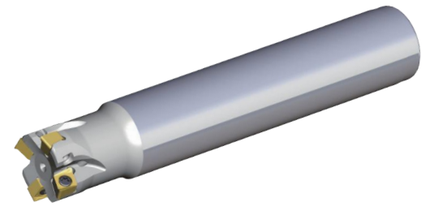
刀盘型号 Specification Of Face Milling Cutter		
EN90○○○○	DGCFJ01	Q08

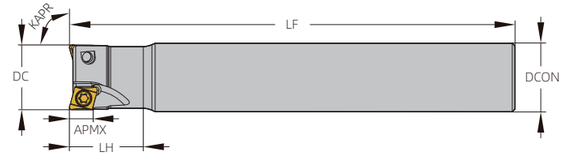
刀片Insert → DB015

铣刀体 Milling Holder

EN90 方肩立铣刀杆 Square Shoulder End Milling Cutter

90° KAPR | ISO 6462 | 粗加工 | 平面加工 | 槽加工 | 台阶面加工





1.单位Unit：mm
2.本图所示为右手刀Fig is R
3.冷却方式Coolant hole：内冷孔 O、外冷E、微量冷却Q、精准冷却A

1.Unit: mm
2.This picture shows a right-hand cutter.
3.Cooling methods: internal cooling hole "O", external cooling "E", trace amount coolant "Q", accurate cooling "A".

形式 From	型号 Specification	刃数 Teeth	图 Fig	DC	DCON	LF	LH	APMX	冷却方式 Cooling Mode	WT(kg)
标准型 Standard Type	EN90R16150A16-06M02	2	1	16	16	150	25	5	E	0.23
	EN90R17150A16-06M02	2	1	17	16	150	25	5	E	0.24
	EN90R20150A20-06M03	3	1	20	20	150	25	5	E	0.36
	EN90R20200A20-06M03	3	1	20	20	200	50	5	E	0.47
	EN90R21150A20-06M03	3	1	21	20	150	50	5	E	0.39
	EN90R21200A20-06M03	3	1	21	20	200	50	5	E	0.47
	EN90R25150A25-06M04	4	1	25	25	150	60	5	E	0.55
	EN90R25200A25-06M04	4	1	25	25	200	60	5	E	0.70
	EN90R26150A25-06M04	4	1	26	25	150	60	5	E	0.56
	EN90R26200A25-06M04	4	1	26	25	200	60	5	E	0.74
	EN90R32150A32-06M05	5	1	32	32	150	60	5	E	0.80
	EN90R32200A32-06M05	5	1	32	32	200	60	5	E	1.16

注：铣刀柄长度超过3.5L/D，请适当降低转速.

Note 1：If the length of milling cutter holder exceeds 2.5*Diameter, please reduce the speed properly.

配件清单 Parts list

刀杆型号 Specification Of End Milling Cutter		
EN90○○○○	DGCFJ01	Q08

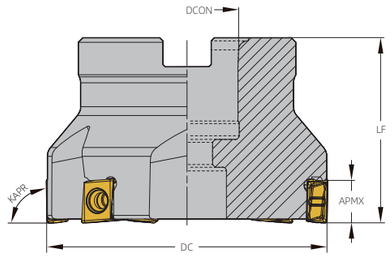
刀片Insert → DB015

铣刀体 Milling Holder

LN90-09 立装方肩铣刀盘 Tangentially Clamped Square Shoulder Face Milling Cutter

90° KAPR | ISO 6462 | 粗加工 | 平面加工 | 槽加工 | 台阶面加工





1.单位Unit：mm
2.本图所示为右手刀Fig is R
3.冷却方式Coolant hole：内冷孔 O、外冷E、微量冷却Q、精准冷却A

1.Unit: mm
2.This picture shows a right-hand cutter.
3.Cooling methods: internal cooling hole "O", external cooling "E", trace amount coolant "Q", accurate cooling "A".

形式 From	型号 Specification	刃数 Teeth	图 Fig	DC	DCON	LF	APMX	刀体安装螺钉 Screw of cutting body	刀体安装扳手 Wrench of cutting body	冷却方式 Cooling Mode	WT(kg)
标准型 Standard Type	LN90A050-09M05	5	1	50	22	40	8.5	EECZ0d	L080	E	0.30
	LN90A063-09M06	6	1	63	22	40	8.5	EECZ0d	L080	E	0.50
密齿型 Multiple Edge Type	LN90A050-09H07	7	1	50	22	40	8.5	EECZ0d	L080	E	0.40
	LN90A063-09H10	10	1	63	22	40	8.5	EECZ0d	L080	E	0.50

注1：刀盘上不附带刀体安装螺钉，刀体安装螺钉需单独购买；
注2：铣刀柄长度超过2.5L/D，请适当降低转速；
注3：建议使用冷却液，进行湿式加工。

Note 1：The screw is not included in the milling cutter，it must be purchased separately;
Note 2：If the length of milling cutter holder exceeds 2.5*Diameter, please reduce the speed properly;
Note 3: It is recommended to use coolant liquid for wet machining.

配件清单 Parts list

刀盘型号 Specification Of Face Milling Cutter		
LN90○○○○-09○○○	DGDR03	TS08

刀片Insert → DB017

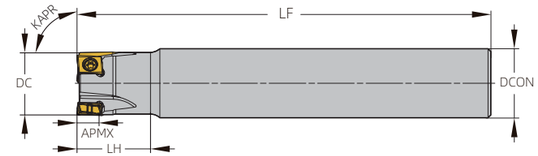
TORKOOL

铣刀体 Milling Holder

LN90-09 立装方肩铣刀杆 Tangentially Clamped Square Shoulder End Milling Cutter

90° KAPR | ISO 6462 | 粗加工 | 平面加工 | 槽加工 | 台阶面加工





1.单位Unit：mm
2.本图所示为右手刀Fig is R
3.冷却方式Coolant hole：内冷孔 O、外冷E、微量冷却Q、精准冷却A

1.Unit: mm
2.This picture shows a right-hand cutter.
3.Cooling methods: internal cooling hole "O", external cooling "E", trace amount coolant "Q", accurate cooling "A".

形式 From	型号 Specification	刃数 Teeth	图 Fig	DC	DCON	LF	LH	APMX	冷却方式 Cooling Mode	WT(kg)
标准型 Standard Type	LN90R20150A20-09M02	2	1	20	20	150	30	8.5	E	0.33
	LN90R25150A25-09M03	3	1	25	25	150	30	8.5	E	0.56
	LN90R32150A32-09M03	3	1	32	32	150	30	8.5	E	0.87
	LN90R40170A32-09M04	4	1	40	32	170	30	8.5	E	1.04
密齿型 Multiple Edge Type	LN90R20150A20-09H03	3	1	20	20	150	30	8.5	E	0.33
	LN90R25150A25-09H04	4	1	25	25	150	30	8.5	E	0.56
	LN90R32150A32-09H05	5	1	32	32	150	30	8.5	E	0.87
	LN90R40170A32-09H06	6	1	40	32	170	30	8.5	E	1.04

注：铣刀柄长度超过3.5L/D，请适当降低转速.

Note 1：If the length of milling cutter holder exceeds 2.5*Diameter, please reduce the speed properly.

配件清单 Parts list

刀杆型号 Specification Of End Milling Cutter		
LN90○○○○-09○○○	DGDR03	TS08

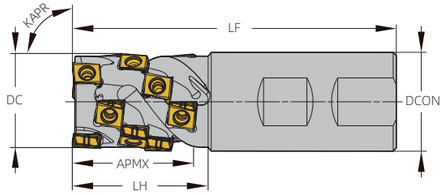
刀片Insert → DB017

TORKOOL

LN90-09 | 玉米铣刀杆 Tangentially Clamped Extended Flute End Milling Cutter

90° KAPR | ISO 6462 | 粗加工 | 平面加工 | 槽加工 | 台阶面加工





1.单位Unit：mm
2.本图所示为右手刀Fig is R
3.冷却方式Coolant hole：内冷孔 O、外冷E、微量冷却Q、精准冷却A

1.Unit: mm
2.This picture shows a right-hand cutter.
3.Cooling methods: internal cooling hole "O", external cooling "E", trace amount coolant "Q", accurate cooling "A".

形式 From	型号 Specification	刃数 Teeth	图 Fig	刀片数 CICT	DC	DCON	LF	LH	APMX	冷却方式 Cooling Mode	WT(kg)
标准型 Standard Type	LN90R25100W25-09M10	2	1	10	25	25	100	43	36	E	0.37
	LN90R35105W32-09M15	3	1	15	35	32	105	44	36	E	0.65
	LN90R36115W32-09M18	3	1	18	36	32	115	52	43	E	0.70
	LN90R40125W40-09M18	3	1	18	40	40	125	54	43	E	0.78
	LN90R40135W40-09M21	3	1	21	40	40	135	64	51	E	0.95

注：铣刀柄长度超过3.5L/D，请适当降低转速.

Note 1：If the length of milling cutter holder exceeds 2.5*Diameter, please reduce the speed properly.

配件清单 Parts list

刀盘型号 Specification Of Face Milling Cutter		
LN90○○○○-09○○○	DGDR03	TS08

刀片Insert → DB017

LN90-12 | 立装方肩铣刀盘 Tangentially Clamped Square Shoulder Face Milling Cutter

90° KAPR | ISO 6462 | 粗加工 | 平面加工 | 槽加工 | 台阶面加工



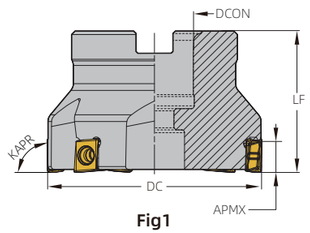


Fig1

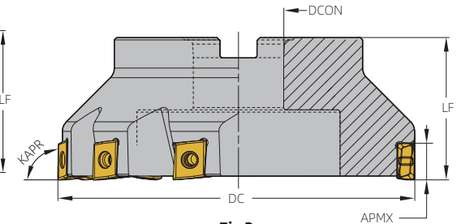


Fig2

1.单位Unit：mm
2.本图所示为右手刀Fig is R
3.冷却方式Coolant hole：内冷孔 O、外冷E、微量冷却Q、精准冷却A

1.Unit: mm
2.This picture shows a right-hand cutter.
3.Cooling methods: internal cooling hole "O", external cooling "E", trace amount coolant "Q", accurate cooling "A".

形式 From	型号 Specification	刃数 Teeth	图 Fig	DC	DCON	LF	APMX	刀体安装螺钉 Screw of cutting body	刀体安装扳手 Wrench of cutting body	冷却方式 Cooling Mode	WT(kg)
标准型 Standard Type	LN90A050-12M04	4	1	50	22	40	11.5	EECZ0d	L080	E	0.30
	LN90A063-12M06	6	1	63	22	40	11.5	EECZ0d	L080	E	0.50
	LN90A080-12M07	7	1	80	27	50	11.5	EECZ0e	L100	E	1.00
	LN90B100-12M08	8	2	100	32	50	11.5	EECZ0i	L140	E	2.00
	LN90B125-12M10	10	2	125	40	63	11.5	EECZ0j	L170	E	3.10
密齿型 Multiple Edge Type	LN90A050-12H06	6	1	50	22	40	11.5	EECZ0d	L080	E	0.30
	LN90A063-12H08	8	1	63	22	40	11.5	EECZ0d	L080	E	0.50
	LN90A080-12H10	10	1	80	27	50	11.5	EECZ0e	L100	E	1.20
	LN90B100-12H12	12	2	100	32	50	11.5	EECZ0i	L140	E	2.10
	LN90B125-12H14	14	2	125	40	63	11.5	EECZ0j	L170	E	3.40

注1：刀盘上不附带刀体安装螺钉，刀体安装螺钉需单独购买；
注2：铣刀柄长度超过2.5L/D，请适当降低转速；
注3：建议使用冷却液，进行湿式加工。

Note 1：The screw is not included in the milling cutter，it must be purchased separately;
Note 2：If the length of milling cutter holder exceeds 2.5*Diameter, please reduce the speed properly;
Note 3: It is recommended to use coolant liquid for wet machining.

配件清单 Parts list

刀盘型号 Specification Of Face Milling Cutter		
LN90○○○○-12○○○	DGDR04	TS15IP

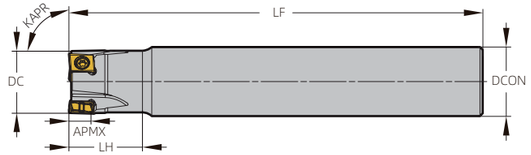
刀片Insert → DB017

可转位刀具 Indexable Tool

LN90-12 | 立装方肩铣刀杆
Tangentially Clamped Square Shoulder End Milling Cutter

90° KAPR | ISO 6462 | 粗加工 | 平面加工 | 槽加工 | 台阶面加工





1.单位Unit：mm
2.本图所示为右手刀Fig is R
3.冷却方式Coolant hole：内冷孔 O、外冷E、微量冷却Q、精准冷却A

1.Unit: mm
2.This picture shows a right-hand cutter.
3.Cooling methods: internal cooling hole "O", external cooling "E", trace amount coolant "Q", accurate cooling "A".

形式 From	型号 Specification	刃数 Teeth	图 Fig	DC	DCON	LF	LH	APMX	冷却方式 Cooling Mode	WT(kg)
标准型 Standard Type	LN90R30150A25-12M02	2	1	30	25	150	35	11.5	E	0.65
	LN90R32150A32-12M02	2	1	32	32	150	35	11.5	E	0.87
	LN90R35150A32-12M02	2	1	35	32	150	35	11.5	E	0.95
	LN90R40170A32-12M03	3	1	40	32	170	35	11.5	E	1.04
密齿型 Multiple Edge Type	LN90R30150A25-12H03	3	1	30	25	150	35	11.5	E	0.65
	LN90R32150A32-12H03	3	1	32	32	150	35	11.5	E	0.87
	LN90R35150A32-12H03	3	1	35	32	150	35	11.5	E	0.95
	LN90R40170A32-12H04	4	1	40	32	170	35	11.5	E	1.04

注：铣刀柄长度超过3.5L/D，请适当降低转速.

Note 1：If the length of milling cutter holder exceeds 2.5*Diameter, please reduce the speed properly.

配件清单 Parts list

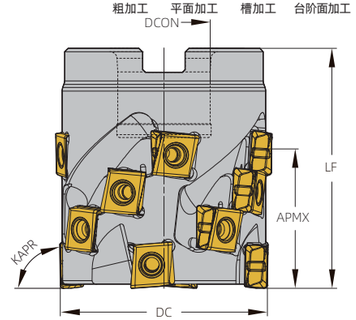
刀杆型号 Specification Of End Milling Cutter		
LN90○○○○-12○○○	DGDR04	TS15IP

刀片Insert → DB017

LN90-12 | 玉米铣刀盘
Tangentially Clamped Extended Flute Shell Mill

90° KAPR | ISO 6462 | 粗加工 | 平面加工 | 槽加工 | 台阶面加工





1.单位Unit：mm
2.本图所示为右手刀Fig is R
3.冷却方式Coolant hole：内冷孔 O、外冷E、微量冷却Q、精准冷却A

1.Unit: mm
2.This picture shows a right-hand cutter.
3.Cooling methods: internal cooling hole "O", external cooling "E", trace amount coolant "Q", accurate cooling "A".

形式 From	型号 Specification	刃数 Teeth	图 Fig	刀片数 CICT	DC	DCON	LF	APMX	刀体安装螺钉 Screw of cutting body	刀体安装扳手 Wrench of cutting body	冷却方式 Cooling Mode	WT(kg)
标准型 Standard Type	LN90A50C22-12M09	3	1	9	50	22	55	31.5	EEAP0a	L080	E	0.37
	LN90A50C22-12M12	3	1	12	50	22	65	42.0	EEAP0b	L080	E	0.65
	LN90A63C27-12M16	4	1	16	63	27	70	42.0	EEAP0c	L100	E	0.70
	LN90A63C27-12M20	4	1	20	63	27	80	52.5	EEAP0d	L100	E	0.78
	LN90A80C32-12M25	5	1	25	80	32	85	52.5	EEAP0e	L140	E	0.95

注1：刀盘上不附带刀体安装螺钉，刀体安装螺钉需单独购买；
注2：铣刀柄长度超过2.5L/D，请适当降低转速；
注3：建议使用冷却液，进行湿式加工。

Note 1：The screw is not included in the milling cutter，it must be purchased separately;
Note 2：If the length of milling cutter holder exceeds 2.5*Diameter, please reduce the speed properly;
Note 3: It is recommended to use coolant liquid for wet machining.

配件清单 Parts list

刀盘型号 Specification Of Face Milling Cutter		
LN90○○○○-12○○○	DGDR04	TS15IP

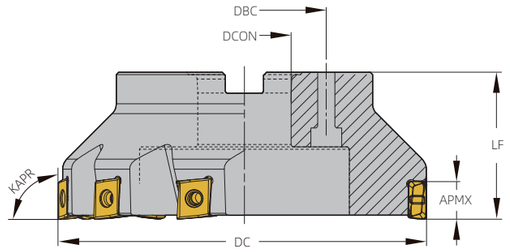
刀片Insert → DB017

可转位刀具 Indexable Tool

LN90-16 | 立装方肩铣刀盘 Square Shoulder Face Milling Cutter

90° KAPR | ISO 6462 | 粗加工 | 平面加工 | 槽加工 | 台阶面加工





1.单位Unit：mm
2.本图所示为右手刀Fig is R
3.冷却方式Coolant hole：内冷孔 O、外冷E、微量冷却Q、精准冷却A

1.Unit: mm
2.This picture shows a right-hand cutter.
3.Cooling methods: internal cooling hole "O", external cooling "E", trace amount coolant "Q", accurate cooling "A".

形式 From	型号 Specification	刃数 Teeth	图 Fig	DC	DCON	LF	APMX	DBC	刀体安装螺钉 Screw of cutting body	刀体安装扳手 Wrench of cutting body	冷却方式 Cooling Mode	WT(kg)
标准型 Standard Type	LN90C160-16M11	11	1	160	40	63	15	66.7	EECZ0f	L100	E	4.10
	LN90C200-16M12	12	1	200	60	63	15	101.6	EECZ0g	L100	E	5.70
密齿型 Multiple Edge Type	LN90C160-16H14	14	1	160	40	63	15	66.7	EECZ0f	L100	E	4.30
	LN90C200-16H16	16	1	200	60	63	15	101.6	EECZ0g	L100	E	5.80

注1：刀盘上不附带刀体安装螺钉，刀体安装螺钉需单独购买；
注2：加工直径DC为160的铣刀体，可以使用ISO-6462B芯轴式安装；
注3：铣刀柄长度超过2.5L/D，请适当降低转速；
注4：建议使用冷却液，进行湿式加工。

Note 1：The screw is not included in the milling cutter，it must be purchased separately;
Note 2：Milling cutter with diameter of DC 160 can making installation with isO-6462B mandrel type;
Note 3：If the length of milling cutter holder exceeds 2.5*Diameter, please reduce the speed properly;
Note 4: It is recommended to use coolant liquid for wet machining.

配件清单 Parts list

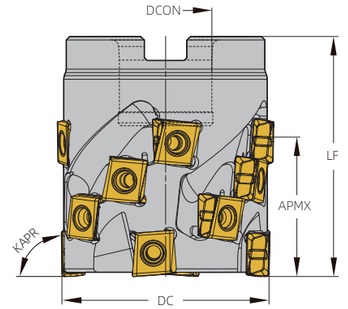
刀盘型号 Specification Of Face Milling Cutter		
LN90○○○○-16○○○	DGDR05	TS20

刀片Insert → DB017

LN90-16 | 玉米铣刀盘 Tangentially Clamped Extended Flute Shell Mill

90° KAPR | ISO 6462 | 粗加工 | 平面加工 | 槽加工 | 台阶面加工





1.单位Unit：mm
2.本图所示为右手刀Fig is R
3.冷却方式Coolant hole：内冷孔 O、外冷E、微量冷却Q、精准冷却A

1.Unit: mm
2.This picture shows a right-hand cutter.
3.Cooling methods: internal cooling hole "O", external cooling "E", trace amount coolant "Q", accurate cooling "A".

形式 From	型号 Specification	刃数 Teeth	图 Fig	刀片数 CICT	DC	DCON	LF	APMX	刀体安装螺钉 Screw of cutting body	刀体安装扳手 Wrench of cutting body	冷却方式 Cooling Mode	WT(kg)
标准型 Standard Type	LN90A100C40-16M20	5	1	20	100	40	90	57	EEAP0f	L170	E	1.20

注1：刀盘上不附带刀体安装螺钉，刀体安装螺钉需单独购买；
注2：铣刀柄长度超过2.5L/D，请适当降低转速；
注3：建议使用冷却液，进行湿式加工。

Note 1：The screw is not included in the milling cutter，it must be purchased separately;
Note 2：If the length of milling cutter holder exceeds 2.5*Diameter, please reduce the speed properly;
Note 3: It is recommended to use coolant liquid for wet machining.

配件清单 Parts list

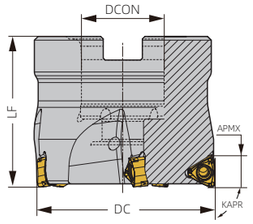
刀盘型号 Specification Of Face Milling Cutter		
LN90○○○○-16○○○	DGDR05	TS20

刀片Insert → DB017

TN90-07 方肩铣刀盘 Square Shoulder Face Milling Cutter

90° KAPR | ISO 6462 | 粗加工 | 平面加工 | 槽加工 | 台阶面加工





1.单位Unit：mm
2.本图所示为右手刀Fig is R
3.冷却方式Coolant hole：内冷孔 O、外冷E、微量冷却Q、精准冷却A

1.Unit: mm
2.This picture shows a right-hand cutter.
3.Cooling methods: internal cooling hole "O", external cooling "E", trace amount coolant "Q", accurate cooling "A".

形式 From	型号 Specification	刃数 Teeth	图 Fig	DC	DCON	LF	APMX	刀体安装螺钉 Screw of cutting body	刀体安装扳手 Wrench of cutting body	冷却方式 Cooling Mode	WT(kg)
标准型 Standard Type	TN90A040-07M04	4	1	40	16	40	6.5	EECZ0L	L060	O	0.30
	TN90A050-07M05	5	1	50	22	40	6.5	EECZ0d	L080	O	0.50
	TN90A063-07M06	6	1	63	22	40	6.5	EECZ0d	L080	O	0.40
密齿型 Multiple Edge Type	TN90A040-07H06	6	1	40	16	40	6.5	EECZ0L	L060	O	0.30
	TN90A050-07H08	8	1	50	22	40	6.5	EECZ0d	L080	O	0.50
	TN90A063-07H10	10	1	63	22	40	6.5	EECZ0d	L080	O	0.50

注1：刀盘上不附带刀体安装螺钉，刀体安装螺钉需单独购买；
注2：铣刀柄长度超过2.5L/D，请适当降低转速；
注3：建议使用冷却液，进行湿式加工。

Note 1：The screw is not included in the milling cutter，it must be purchased separately;
Note 2：If the length of milling cutter holder exceeds 2.5*Diameter, please reduce the speed properly;
Note 3: It is recommended to use coolant liquid for wet machining.

配件清单 Parts list

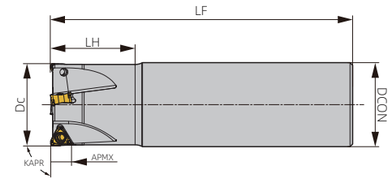
刀盘型号 Specification Of Face Milling Cutter		
TN90○○○○-07○○○	DGDR0v	TS08IP

刀片Insert → DB017

TN90-07 方肩立铣刀杆 Square Shoulder End Milling Cutter

90° KAPR | ISO 6462 | 粗加工 | 平面加工 | 槽加工 | 台阶面加工





1.单位Unit：mm
2.本图所示为右手刀Fig is R
3.冷却方式Coolant hole：内冷孔 O、外冷E、微量冷却Q、精准冷却A

1.Unit: mm
2.This picture shows a right-hand cutter.
3.Cooling methods: internal cooling hole "O", external cooling "E", trace amount coolant "Q", accurate cooling "A".

形式 From	型号 Specification	刃数 Teeth	图 Fig	DC	DCON	LF	LH	APMX	冷却方式 Cooling Mode	WT(kg)
标准型 Standard Type	TN90R18085A16-07M02	2	1	18	16	85	25	6.5	E	0.30
	TN90R20100A19-07M02	2	1	20	19	100	30	6.5	E	0.30
	TN90R20100A20-07M02	2	1	20	20	100	30	6.5	E	0.30
	TN90R20185A20-07M02	2	1	20	20	185	50	6.5	E	0.50
	TN90R25115A25-07M03	3	1	25	25	115	35	6.5	E	0.50
	TN90R25130A25-07M03	3	1	25	25	130	50	6.5	E	0.70
	TN90R25220A25-07M03	3	1	25	25	220	70	6.5	E	0.80
	TN90R32115A32-07M04	4	1	32	32	115	35	6.5	E	0.70
密齿型 Multiple Edge Type	TN90R20100A20-07H03	3	1	20	20	100	30	6.5	E	0.30
	TN90R25115A25-07H04	4	1	25	25	115	35	6.5	E	0.50
	TN90R32115A32-07H05	5	1	32	32	115	35	6.5	E	0.70

注：铣刀柄长度超过3.5L/D，请适当降低转速.

Note 1：If the length of milling cutter holder exceeds 2.5*Diameter, please reduce the speed properly.

配件清单 Parts list

刀杆型号 Specification Of End Milling Cutter		
TN90○○○○-07○○○	DGDR0v	TS08IP

刀片Insert → DB020

可转位刀具 Indexable Tool

TN90-13 方肩铣刀盘 Square Shoulder Face Milling Cutter

90° KAPR | ISO 6462 | 粗加工 | 平面加工 | 槽加工 | 台阶面加工



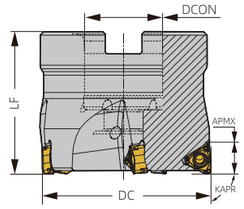


Fig 1

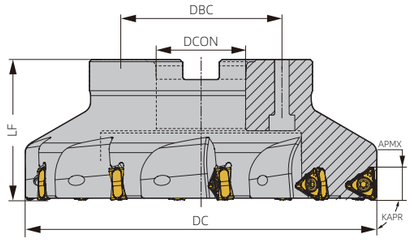


Fig 2

1.单位Unit：mm
2.本图所示为右手刀Fig is R
3.冷却方式Coolant hole：内冷孔 O、外冷E、微量冷却Q、精准冷却A

1.Unit: mm
2.This picture shows a right-hand cutter.
3.Cooling methods: internal cooling hole "O", external cooling "E", trace amount coolant "Q", accurate cooling "A".

形式 From	型号 Specification	刃数 Teeth	图 Fig	DC	DCON	DBC	LF	APMX	刀体安装螺钉 Screw of cutting body	刀体安装扳手 Wrench of cutting body	冷却方式 Cooling Mode	WT(kg)
标准型 Standard Type	TN90A050-13M04	4	1	50	22	-	40	12.7	EECZ0d	L080	O	0.40
	TN90A063-13M05	5	1	63	22	-	40	12.7	EECZ0d	L080	O	0.60
	TN90A080-13M06	6	1	80	27	-	50	12.7	EECZ0e	L100	O	1.10
	TN90A100-13M07	7	1	100	32	-	50	12.7	EECZ0k	L140	O	4.40
	TN90A125-13M08	8	1	125	40	-	63	12.7	EECZ17	L170	O	2.30
	TN90C160-13M10	10	2	160	40	66.7	63	12.7	EECZ0f	L100	E	4.50
密齿型 Multiple Edge Type	TN90A050-13H05	5	1	50	22	-	40	12.7	EECZ0d	L080	O	0.40
	TN90A063-13H06	6	1	63	22	-	40	12.7	EECZ0d	L080	O	0.60
	TN90A080-13H08	8	1	80	27	-	50	12.7	EECZ0e	L100	O	1.10
	TN90A100-13H10	10	1	100	32	-	50	12.7	EECZ0k	L140	O	4.40
	TN90A125-13H12	12	1	125	40	-	63	12.7	EECZ17	L170	O	2.40

注1：刀盘上不附带刀体安装螺钉，刀体安装螺钉需单独购买；
注2：铣刀柄长度超过2.5L/D，请适当降低转速；
注3：建议使用冷却液，进行湿式加工。

Note 1：The screw is not included in the milling cutter，it must be purchased separately;
Note 2：If the length of milling cutter holder exceeds 2.5*Diameter, please reduce the speed properly;
Note 3: It is recommended to use coolant liquid for wet machining.

配件清单 Parts list

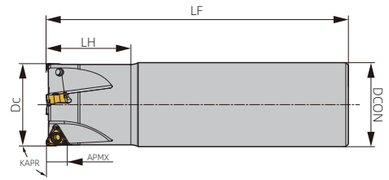
刀盘型号 Specification Of Face Milling Cutter		
TN90○○○○-13○○○	DGDR0k	TS15IP

刀片Insert → DB023

TN90-13 方肩立铣刀杆 Square Shoulder End Milling Cutter

90° KAPR | ISO 6462 | 粗加工 | 平面加工 | 槽加工 | 台阶面加工





1.单位Unit：mm
2.本图所示为右手刀Fig is R
3.冷却方式Coolant hole：内冷孔 O、外冷E、微量冷却Q、精准冷却A

1.Unit: mm
2.This picture shows a right-hand cutter.
3.Cooling methods: internal cooling hole "O", external cooling "E", trace amount coolant "Q", accurate cooling "A".

形式 From	型号 Specification	刃数 Teeth	图 Fig	DC	DCON	LF	LH	APMX	冷却方式 Cooling Mode	WT(kg)
标准型 Standard Type	TN90R32115A32-13M02	2	1	32	32	115	35	12.7	E	0.70
	TN90R40115A32-13M03	3	1	40	32	115	35	12.7	E	0.80
密齿型 Multiple Edge Type	TN90R32115A32-13M03	3	1	32	32	115	35	12.7	E	0.70
	TN90R40115A32-13M04	4	1	40	32	115	35	12.7	E	0.80

注：铣刀柄长度超过3.5L/D，请适当降低转速.

Note 1：If the length of milling cutter holder exceeds 2.5*Diameter, please reduce the speed properly.

配件清单 Parts list

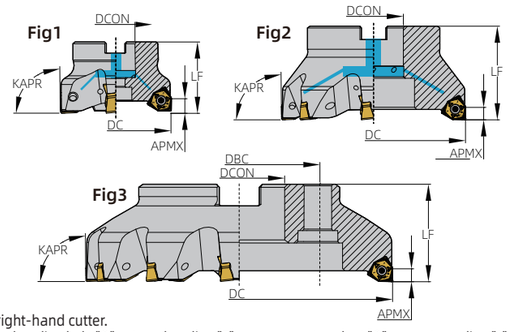
刀杆型号 Specification Of End Milling Cutter		
TN90○○○○-13○○○	DGDR0k	TS15IP

刀片Insert → DB017

WN90 | 方肩面铣刀盘 Square Shoulder Face Milling Cutter

90° KAPR | ISO 6462 | 精加工 | 粗加工 | 平面加工 | 槽加工 | 台阶面加工





1.单位Unit：mm
2.本图所示为右手刀Fig is R
3.冷却方式Coolant hole：内冷孔 O、外冷E、微量冷却Q、精准冷却A

1.Unit: mm
2.This picture shows a right-hand cutter.
3.Cooling methods: internal cooling hole "O", external cooling "E", trace amount coolant "Q", accurate cooling "A".

形式 From	型号 Specification	刃数 Teeth	图 Fig	DC	LF	DCON	DBC	APMX	刀体安装螺钉 Screw of cutting body	刀体安装扳手 Wrench of cutting body	冷却方式 Cooling Mode	WT(kg)
标准型 Standard Type	WN90A050-08M03	3	1	50	40	22	-	8	EECZ0d	L080	O	0.25
	WN90A063-08M04	4	1	63	40	22	-	8	EECZ0d	L080	O	0.42
	WN90A080-08M05	5	1	80	50	27	-	8	EECZ0e	L100	O	0.99
	WN90B100-08M07	7	2	100	50	32	-	8	EECZ0i	L140	O	1.49
	WN90B125-08M08	8	2	125	63	40	-	8	EECZ0j	L170	O	2.73
	WN90C160-08M10	10	3	160	63	40	66.7	8	EECZ0f	L100	E	3.80
	WN90C200-08M12	12	3	200	63	60	101.6	8	EECZ0g	L100	E	5.32
	WN90C250-08M14	14	3	250	63	60	101.6	8	EECZ0g	L140	E	9.01
密齿型 Multiple Edge Type	WN90A050-08H04	4	1	50	40	22	-	8	EECZ0d	L080	O	0.27
	WN90A063-08H05	5	1	63	40	22	-	8	EECZ0d	L080	O	0.43
	WN90A080-08H07	7	1	80	50	27	-	8	EECZ0e	L100	O	1.03
	WN90B100-08H09	9	2	100	50	32	-	8	EECZ0i	L140	O	1.63
	WN90B125-08H12	12	2	125	63	40	-	8	EECZ0j	L170	O	2.96
	WN90C160-08H14	14	3	160	63	40	66.7	8	EECZ0f	L100	E	4.20

注1：刀盘上不附带刀体安装螺钉，刀体安装螺钉需单独购买；
注2：加工直径DC为160的铣刀体，可以使用ISO-6462B芯轴式安装；
注3：铣刀柄长度超过2.5L/D，请适当降低转速；
注4：建议使用冷却液，进行湿式加工。

Note 1：The screw is not included in the milling cutter，it must be purchased separately;
Note 2：Milling cutter with diameter of DC 160 can making installation with isO-6462B mandrel type;
Note 3：If the length of milling cutter holder exceeds 2.5*Diameter, please reduce the speed properly;
Note 4: It is recommended to use coolant liquid for wet machining.

配件清单 Parts list

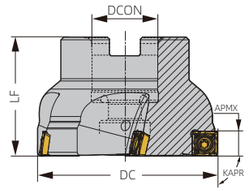
刀盘型号 Specification Of Face Milling Cutter		
WN90○○○○08○○○	DGAP01	T15M

刀片Insert → DB020

SD90-08 | 方肩铣刀盘 Square Shoulder Face Milling Cutter

90° KAPR | ISO 6462 | 粗加工 | 平面加工 | 槽加工 | 台阶面加工





1.单位Unit：mm
2.本图所示为右手刀Fig is R
3.冷却方式Coolant hole：内冷孔 O、外冷E、微量冷却Q、精准冷却A

1.Unit: mm
2.This picture shows a right-hand cutter.
3.Cooling methods: internal cooling hole "O", external cooling "E", trace amount coolant "Q", accurate cooling "A".

形式 From	型号 Specification	刃数 Teeth	图 Fig	DC	DCON	LF	APMX	刀体安装螺钉 Screw of cutting body	刀体安装扳手 Wrench of cutting body	冷却方式 Cooling Mode	WT(kg)
标准型 Standard Type	SD90A040-08M04	4	1	40	16	40	5.5	EECZ0L	L060	O	0.20
	SD90A050-08M04	4	1	50	22	40	5.5	EECZ0d	L080	O	0.40
	SD90A063-08M05	5	1	63	22	40	5.5	EECZ0d	L080	O	0.60
	SD90A080-08M06	6	1	80	27	50	5.5	EECZ0e	L100	O	1.30
	SD90A100-08M06	6	1	100	32	50	5.5	EECZ0k	L140	O	2.10
	SD90A125-08M08	8	1	125	40	63	5.5	EECZ17	L170	O	4.60
密齿型 Multiple Edge Type	SD90A040-08H06	6	1	40	16	40	5.5	EECZ0L	L060	O	0.20
	SD90A050-08H05	5	1	50	22	40	5.5	EECZ0d	L080	O	0.40
	SD90A063-08H06	6	1	63	22	40	5.5	EECZ0d	L080	O	0.60
	SD90A080-08H08	8	1	80	27	50	5.5	EECZ0e	L100	O	1.30
	SD90A100-08H08	8	1	100	32	50	5.5	EECZ0k	L140	O	2.10
	SD90A125-08H10	10	1	125	40	63	5.5	EECZ17	L170	O	4.60

注1：刀盘上不附带刀体安装螺钉，刀体安装螺钉需单独购买；
注2：铣刀柄长度超过2.5L/D，请适当降低转速；
注3：建议使用冷却液，进行湿式加工。

Note 1：The screw is not included in the milling cutter，it must be purchased separately;
Note 2：If the length of milling cutter holder exceeds 2.5*Diameter, please reduce the speed properly;
Note 3: It is recommended to use coolant liquid for wet machining.

配件清单 Parts list

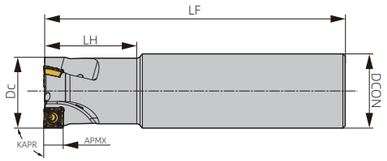
刀盘型号 Specification Of Face Milling Cutter		
SD90○○○○-08○○○	DGDR1a	TS08IP

刀片Insert → DB023

SD90-08 方肩立铣刀杆 Square Shoulder End Milling Cutter

90° KAPR | ISO 6462 | 粗加工 | 平面加工 | 槽加工 | 台阶面加工





1.单位Unit：mm
2.本图所示为右手刀Fig is R
3.冷却方式Coolant hole：内冷孔 O、外冷E、微量冷却Q、精准冷却A

1.Unit: mm
2.This picture shows a right-hand cutter.
3.Cooling methods: internal cooling hole "O", external cooling "E", trace amount coolant "Q", accurate cooling "A".

形式 From	型号 Specification	刃数 Teeth	图 Fig	DC	DCON	LF	LH	APMX	冷却方式 Cooling Mode	WT(kg)
标准型 Standard Type	SD90R25110A20-08M02	2	1	25	20	110	32	5.5	O	0.40
	SD90R25120A25-08M02	2	1	25	25	120	32	5.5	O	0.50
	SD90R32120A25-08M03	3	1	32	25	120	40	5.5	O	0.60
	SD90R32130A32-08M03	3	1	32	32	130	40	5.5	O	0.80
	SD90R40170A32-08M03	3	1	40	32	170	50	5.5	O	1.20
密齿型 Multiple Edge Type	SD90R20100A16-08H02	2	1	20	16	100	25	5.5	O	0.30
	SD90R20110A20-08H02	2	1	20	20	110	25	5.5	O	0.40
	SD90R25110A20-08H03	3	1	25	20	110	32	5.5	O	0.40
	SD90R25120A25-08H03	3	1	25	25	120	32	5.5	O	0.50
	SD90R32120A25-08H04	4	1	32	25	120	40	5.5	O	0.60
	SD90R32130A32-08H04	4	1	32	32	130	40	5.5	O	0.80
	SD90R40170A32-08H04	4	1	40	32	170	50	5.5	O	1.20

注：铣刀柄长度超过3.5L/D，请适当降低转速.

Note 1：If the length of milling cutter holder exceeds 2.5*Diameter, please reduce the speed properly.

配件清单 Parts list

刀盘型号 Specification Of Face Milling Cutter		
SD90○○○○-08○○○	DGDR1a	TS08IP

刀片Insert → DB020

SD90-14 方肩铣刀盘 Square Shoulder Face Milling Cutter

90° KAPR | ISO 6462 | 粗加工 | 平面加工 | 槽加工 | 台阶面加工



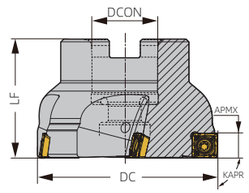


Fig 1

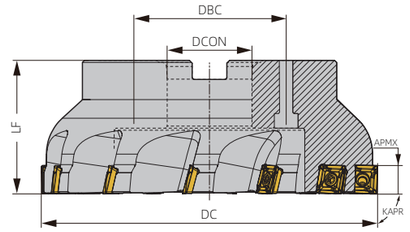


Fig 2

1.单位Unit：mm
2.本图所示为右手刀Fig is R
3.冷却方式Coolant hole：内冷孔 O、外冷E、微量冷却Q、精准冷却A

1.Unit: mm
2.This picture shows a right-hand cutter.
3.Cooling methods: internal cooling hole "O", external cooling "E", trace amount coolant "Q", accurate cooling "A".

形式 From	型号 Specification	刃数 Teeth	图 Fig	DC	DCON	DBC	LF	APMX	刀体安装螺钉 Screw of cutting body	刀体安装扳手 Wrench of cutting body	冷却方式 Cooling Mode	WT(kg)
疏齿型 Thinning Type	SD90A100-14L05	5	1	100	32	-	50	10	EECZ0k	L140	O	1.50
	SD90A125-14L06	6	1	125	40	-	63	10	EECZ17	L170	O	2.60
	SD90C160-14L08	8	2	160	40	66.7	63	10	EECZ0f	L100	E	4.50
	SD90C200-14L10	10	2	200	60	101.6	63	10	EECZ0f	L100	E	7.40
	SD90C250-14L12	12	2	250	60	101.6	63	10	EECZ0f	L100	E	11.30
标准型 Standard Type	SD90A050-14M04	4	1	50	22	-	40	10	EECZ0d	L080	O	0.30
	SD90A063-14M05	5	1	63	22	-	40	10	EECZ0d	L080	O	0.40
	SD90A080-14M06	6	1	80	27	-	50	10	EECZ0e	L100	O	1.00
	SD90A100-14M07	7	1	100	32	-	50	10	EECZ0k	L140	O	1.50
	SD90A125-14M08	8	1	125	40	-	63	10	EECZ17	L170	O	2.60
	SD90C160-14M12	12	2	160	40	66.7	63	10	EECZ0f	L100	E	4.50
	SD90C200-14M16	16	2	200	60	101.6	63	10	EECZ0f	L100	E	7.40
	SD90C250-14M18	18	2	250	60	101.6	63	10	EECZ0f	L100	E	11.30
密齿型 Multiple Edge Type	SD90A050-14H05	5	1	50	22	-	40	10	EECZ0d	L080	O	0.30
	SD90A063-14H06	6	1	63	22	-	40	10	EECZ0d	L080	O	0.40
	SD90A080-14H08	8	1	80	27	-	50	10	EECZ0e	L100	O	1.00
	SD90A100-14H10	10	1	100	32	-	50	10	EECZ0k	L140	O	1.50
	SD90A125-14H12	12	1	125	40	-	63	10	EECZ17	L170	O	2.60
	SD90C160-14H15	15	1	160	40	66.7	63	10	EECZ0f	L100	E	4.50

注1：刀盘上不附带刀体安装螺钉，刀体安装螺钉需单独购买；
注2：铣刀柄长度超过2.5L/D，请适当降低转速；
注3：建议使用冷却液，进行湿式加工。

Note 1：The screw is not included in the milling cutter，it must be purchased separately;
Note 2：If the length of milling cutter holder exceeds 2.5*Diameter, please reduce the speed properly;
Note 3: It is recommended to use coolant liquid for wet machining.

配件清单 Parts list

刀盘型号 Specification Of Face Milling Cutter		
SD90○○○○-14○○○	DGDR0k	TS15IP

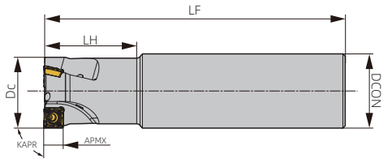
刀片Insert → DB024

可转位刀具 Indexable Tool

SD90-14 | 方肩立铣刀杆 Square Shoulder End Milling Cutter

90° KAPR | ISO 6462 | 粗加工 | 平面加工 | 槽加工 | 台阶面加工





1.单位Unit：mm
2.本图所示为右手刀Fig is R
3.冷却方式Coolant hole：内冷孔 O、外冷E、微量冷却Q、精准冷却A

1.Unit: mm
2.This picture shows a right-hand cutter.
3.Cooling methods: internal cooling hole "O", external cooling "E", trace amount coolant "Q", accurate cooling "A".

形式 From	型号 Specification	刃数 Teeth	图 Fig	DC	DCON	LF	LH	APMX	冷却方式 Cooling Mode	WT(kg)
标准型 Standard Type	SD90R40170A32-14M03	3	1	40	32	170	50	10	O	1.20
	SD90R40250A32-14M03	3	1	40	32	250	65	10	O	1.80
密齿型 Multiple Edge Type	SD90R40250A32-14H04	4	1	40	32	170	50	10	O	1.20

注：铣刀柄长度超过3.5L/D，请适当降低转速.

Note 1：If the length of milling cutter holder exceeds 2.5*Diameter, please reduce the speed properly.

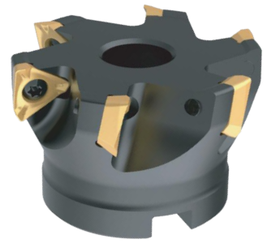
配件清单 Parts list

刀杆型号 Specification Of End Milling Cutter		
SD90○○○○-14○○○	DGDR0k	TS15IP

刀片Insert → DB024

TD90-15 | 方肩铣刀盘 Square Shoulder Face Milling Cutter

90° KAPR | ISO 6462 | 粗加工 | 平面加工 | 槽加工 | 台阶面加工



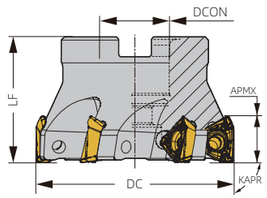


Fig 1

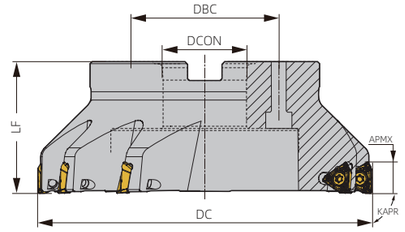


Fig 2

1.单位Unit：mm
2.本图所示为右手刀Fig is R
3.冷却方式Coolant hole：内冷孔 O、外冷E、微量冷却Q、精准冷却A

1.Unit: mm
2.This picture shows a right-hand cutter.
3.Cooling methods: internal cooling hole "O", external cooling "E", trace amount coolant "Q", accurate cooling "A".

形式 From	型号 Specification	刃数 Teeth	图 Fig	DC	DCON	DBC	LF	APMX	刀体安装螺钉 Screw of cutting body	刀体安装扳手 Wrench of cutting body	冷却方式 Cooling Mode	WT(kg)
疏齿型 Thinning Type	TD90A050-15L04	4	1	50	22	-	40	11	EECZ0d	L080	E	0.30
	TD90A063-15L04	4	1	63	22	-	40	11	EECZ0d	L080	E	0.50
	TD90A080-15L04	4	1	80	27	-	50	11	EECZ0e	L100	E	1.00
	TD90A100-15L06	6	1	100	32	-	50	11	EECZ0k	L140	E	1.80
	TD90A125-15L07	7	1	125	40	-	63	11	EECZ17	L170	E	3.00
标准型 Standard Type	TD90A050-15M05	5	1	50	50	-	40	11	EECZ0d	L080	E	0.30
	TD90A063-15M06	6	1	63	63	-	40	11	EECZ0d	L080	E	0.50
	TD90A080-15M07	7	1	80	80	-	50	11	EECZ0e	L100	E	1.00
	TD90A100-15M08	8	1	100	100	-	50	11	EECZ0k	L140	E	1.90
	TD90A125-15M10	10	1	125	125	-	63	11	EECZ17	L170	E	3.10
	TD90C160-15M12	12	2	160	160	66.7	63	11	EECZ0f	L100	E	4.40
	TD90C200-15M15	15	2	200	200	101.6	63	11	EECZ0f	L100	E	6.00
密齿型 Multiple Edge Type	TD90A080-15H08	8	1	80	27	-	50	11	EECZ0e	L100	E	1.00
	TD90A100-15H10	10	1	100	32	-	50	11	EECZ0k	L140	E	1.90
	TD90A125-15H12	12	1	125	40	-	63	11	EECZ17	L170	E	3.10
	TD90C160-15H15	15	2	160	40	66.7	63	11	EECZ0f	L100	E	4.40
	TD90C200-15H18	18	2	200	60	101.6	63	11	EECZ0f	L100	E	5.80

注1：刀盘上不附带刀体安装螺钉，刀体安装螺钉需单独购买；
注2：铣刀柄长度超过2.5L/D，请适当降低转速；
注3：建议使用冷却液，进行湿式加工。

Note 1：The screw is not included in the milling cutter，it must be purchased separately;
Note 2：If the length of milling cutter holder exceeds 2.5*Diameter, please reduce the speed properly;
Note 3: It is recommended to use coolant liquid for wet machining.

配件清单 Parts list

刀盘型号 Specification Of Face Milling Cutter		
TD90○○○○-15○○○	DGDR16	TS15

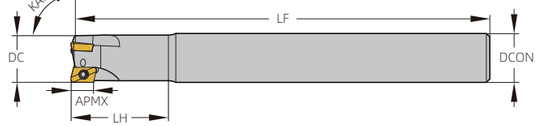
刀片Insert → DB024

可转位刀具 Indexable Tool

ASM-07 方肩立铣刀杆 Square Shoulder End Milling Cutter

90° KAPR | ISO 6462 | 粗加工 | 平面加工 | 槽加工 | 台阶面加工





1.单位Unit：mm
2.本图所示为右手刀Fig is R
3.冷却方式Coolant hole：内冷孔 O、外冷E、微量冷却Q、精准冷却A

1.Unit: mm
2.This picture shows a right-hand cutter.
3.Cooling methods: internal cooling hole "O", external cooling "E", trace amount coolant "Q", accurate cooling "A".

形式 From	型号 Specification	刃数 Teeth	图 Fig	DC	DCON	LF	LH	APMX	冷却方式 Cooling Mode	WT(kg)
标准型 Standard Type	ASM08075A10-07M01	1	1	8	10	75	16	4.5	E	0.56
	ASM10120A10-07M02	2	1	10	10	120	25	4.5	E	0.11
	ASM11120A10-07M02	2	1	11	10	120	20	4.5	E	0.11
	ASM12120A10-07M02	2	1	12	10	120	20	4.5	E	0.12
	ASM12120A12-07M02	2	1	12	12	120	25	4.5	E	0.13
	ASM13120A12-07M02	2	1	13	12	120	20	4.5	E	0.13
	ASM14120A12-07M03	3	1	14	12	120	20	4.5	E	0.18
	ASM14120A14-07M03	3	1	14	14	120	30	4.5	E	0.20
	ASM16150A16-07M04	4	1	16	16	150	30	4.5	E	0.27
	ASM17150A16-07M04	4	1	17	16	150	30	4.5	E	0.27

注：铣刀柄长度超过3.5L/D，请适当降低转速.

Note 1：If the length of milling cutter holder exceeds 2.5*Diameter, please reduce the speed properly.

配件清单 Parts list

刀杆型号 Specification Of End Milling Cutter		
ASM○○○○	DGTK01	Q06

刀片Insert → DB023

400R 方肩立铣刀盘 Square Shoulder Face Milling Cutter

90° KAPR | ISO 6462 | 粗加工 | 平面加工 | 槽加工 | 台阶面加工



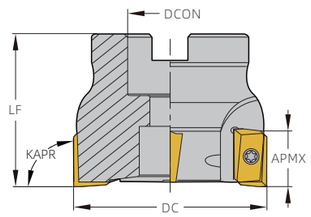


Fig1

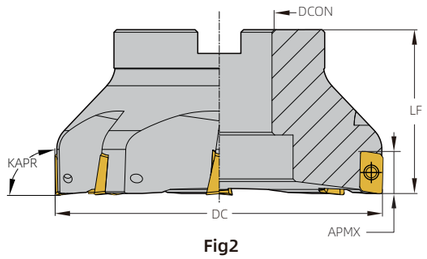


Fig2

1.单位Unit：mm
2.本图所示为右手刀Fig is R
3.冷却方式Coolant hole：内冷孔 O、外冷E、微量冷却Q、精准冷却A

1.Unit: mm
2.This picture shows a right-hand cutter.
3.Cooling methods: internal cooling hole "O", external cooling "E", trace amount coolant "Q", accurate cooling "A".

形式 From	型号 Specification	刃数 Teeth	图 Fig	DC	DCON	LF	APMX	刀体安装螺钉 Screw of cutting body	刀体安装扳手 Wrench of cutting body	冷却方式 Cooling Mode	WT(kg)
标准型 Standard Type	400RA050-16M04	4	1	50	22	50	13.5	EECZ0d	L080	E	0.51
	400RA063-16M04	4	1	63	22	50	13.5	EECZ0d	L080	E	0.70
	400RA063-16M05	5	1	63	22	50	13.5	EECZ0d	L080	E	0.71
	400RA080-16M06	6	1	80	27	50	13.5	EECZ0e	L100	E	1.24
	400RA100-16M07	7	1	100	32	50	13.5	EECZ0k	L140	E	1.40
	400RB125-16M08	8	2	125	40	63	13.5	EECZ0j	L170	E	3.10
	400RB160-16M10	10	2	160	40	63	13.5	EECZ0j	L170	E	5.10

注1：刀盘上不附带刀体安装螺钉，刀体安装螺钉需单独购买；
注2：铣刀柄长度超过2.5L/D，请适当降低转速；
注3：建议使用冷却液，进行湿式加工。

Note 1：The screw is not included in the milling cutter，it must be purchased separately;
Note 2：If the length of milling cutter holder exceeds 2.5*Diameter, please reduce the speed properly;
Note 3: It is recommended to use coolant liquid for wet machining.

配件清单 Parts list

刀盘型号 Specification Of Face Milling Cutter		
400R○○○○	DGTK03	Q15

刀片Insert → DB023

300R | 方肩立铣刀杆 Square Shoulder End Milling Cutter

90° KAPR | ISO 6462 | 粗加工 | 平面加工 | 槽加工 | 台阶面加工



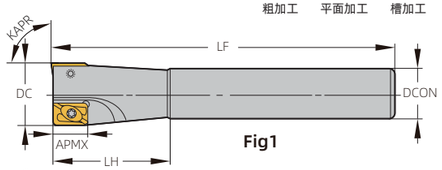


Fig1

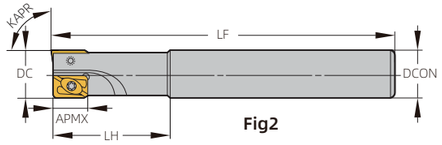


Fig2

1.单位Unit：mm
2.本图所示为右手刀Fig is R
3.冷却方式Coolant hole：内冷孔 O、外冷E、微量冷却Q、精准冷却A

1.Unit: mm
2.This picture shows a right-hand cutter.
3.Cooling methods: internal cooling hole "O", external cooling "E", trace amount coolant "Q", accurate cooling "A".

形式 From	型号 Specification	刃数 Teeth	图 Fig	DC	DCON	LF	LH	APMX	冷却方式 Cooling Mode	WT(kg)
标准型 Standard Type	300R16120A16-11M02	2	1	16	16	120	35	9	E	0.21
	300R16160A16-11M02	2	1	16	16	160	45	9	E	0.28
	300R16200A16-11M02	2	1	16	16	200	60	9	E	0.34
	300R17120A16-11M02	2	2	17	16	120	35	9	E	0.22
	300R17160A16-11M02	2	2	17	16	160	45	9	E	0.29
	300R17200A16-11M02	2	2	17	16	200	60	9	E	0.35
	300R20120A20-11M02	2	1	20	20	120	50	9	E	0.32
	300R20150A20-11M02	2	1	20	20	150	50	9	E	0.39
	300R20200A20-11M02	2	1	20	20	200	70	9	E	0.51
	300R21120A20-11M02	2	2	21	20	120	50	9	E	0.32
	300R21160A20-11M02	2	2	21	20	160	50	9	E	0.40
	300R21200A20-11M02	2	2	21	20	200	70	9	E	0.52
	300R25150A25-11M03	3	1	25	25	150	50	9	E	0.59
	300R25200A25-11M03	3	1	25	25	200	70	9	E	0.63
	300R26160A25-11M03	3	2	26	25	160	50	9	E	0.63
	300R26200A25-11M03	3	2	26	25	200	70	9	E	0.73
	300R30160A25-11M03	3	2	30	25	160	40	9	E	0.64
	300R30200A25-11M03	3	2	30	25	200	40	9	E	0.82
密齿型 Multiple Edge Type	300R25150A25-11H04	4	1	25	25	150	40	9	E	0.58
	300R25200A25-11H04	4	1	25	25	200	40	9	E	0.77
	300R26160A25-11H04	4	2	26	25	160	50	9	E	0.63
	300R26200A25-11H04	4	2	26	25	200	70	9	E	0.73
	300R30160A25-11H04	4	2	30	25	160	40	9	E	0.58
	300R30200A25-11H04	4	2	30	25	200	40	9	E	0.83
	300R30250A25-11H04	4	2	30	25	250	40	9	E	1.03

注：铣刀柄长度超过3.5L/D，请适当降低转速.

Note 1：If the length of milling cutter holder exceeds 2.5*Diameter, please reduce the speed properly.

配件清单 Parts list

刀杆型号 Specification Of End Milling Cutter		
300R○○○○	DGTK02	Q08

刀片Insert → DB023

400R | 方肩立铣刀杆 Square Shoulder End Milling Cutter

90° KAPR | ISO 6462 | 粗加工 | 平面加工 | 槽加工 | 台阶面加工



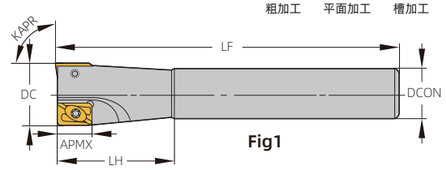


Fig1

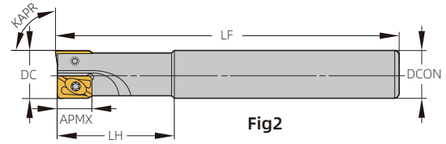


Fig2

1.单位Unit：mm
2.本图所示为右手刀Fig is R
3.冷却方式Coolant hole：内冷孔 O、外冷E、微量冷却Q、精准冷却A

1.Unit: mm
2.This picture shows a right-hand cutter.
3.Cooling methods: internal cooling hole "O", external cooling "E", trace amount coolant "Q", accurate cooling "A".

形式 From	型号 Specification	刃数 Teeth	图 Fig	DC	DCON	LF	LH	APMX	冷却方式 Cooling Mode	WT(kg)
标准型 Standard Type	400R25150A25-16M02	2	1	25	25	150	50	13.5	E	0.57
	400R25200A25-16M02	2	1	25	25	200	70	13.5	E	0.76
	400R25250A25-16M02	2	1	25	25	250	90	13.5	E	0.95
	400R26160A25-16M02	2	2	26	25	160	40	13.5	E	0.62
	400R26200A25-16M02	2	2	26	25	200	40	13.5	E	0.79
	400R26250A25-16M02	2	2	26	25	250	40	13.5	E	1.00
	400R30150A25-16M02	2	2	30	25	150	40	13.5	E	0.62
	400R30200A25-16M02	2	2	30	25	200	40	13.5	E	0.82
	400R30250A25-16M02	2	2	30	25	250	40	13.5	E	1.03
	400R32160A32-16M03	3	1	32	32	160	50	13.5	E	0.97
	400R32200A32-16M03	3	1	32	32	200	70	13.5	E	1.22
	400R32250A32-16M03	3	1	32	32	250	100	13.5	E	1.53
	400R35160A32-16M03	3	2	35	32	160	45	13.5	E	1.00
	400R35200A32-16M03	3	2	35	32	200	45	13.5	E	1.27
	400R35250A32-16M03	3	2	35	32	250	45	13.5	E	1.60
	400R40150A32-16M03	3	2	40	32	150	50	13.5	E	1.00
	400R40200A32-16M03	3	2	40	32	200	50	13.5	E	1.30
	400R40250A32-16M03	3	2	40	32	250	50	13.5	E	1.63

注：铣刀柄长度超过3.5L/D，请适当降低转速.

Note 1：If the length of milling cutter holder exceeds 2.5*Diameter, please reduce the speed properly.

配件清单 Parts list

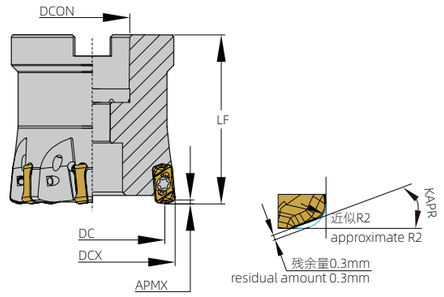
刀杆型号 Specification Of End Milling Cutter	DC		
400R○○○○	≤26	DGTK03	Q15
400R○○○○	> 26	DGTK04	Q15

刀片Insert → DB023

LN17 | 17°快进给铣刀盘
17° High Feed Face Milling Cutter

17° KAPR | ISO 6462 | 精加工 | 粗加工 | 平面加工 | 多层面加工





1.单位Unit：mm
2.本图所示为右手刀Fig is R
3.冷却方式Coolant hole：内冷孔 O、外冷E、微量冷却Q、精准冷却A

1.Unit: mm
2.This picture shows a right-hand cutter.
3.Cooling methods: internal cooling hole "O", external cooling "E", trace amount coolant "Q", accurate cooling "A".

形式 From	型号 Specification	刃数 Teeth	图 Fig	DCX	DC	LF	DCON	APMX	刀体安装螺钉 Screw of cutting body	刀体安装扳手 Wrench of cutting body	冷却方式 Cooling Mode	WT(kg)
标准型 Standard Type	LN17A040-03M06	6	1	40	33.5	40	16	1	EECZ0L	L060	O	0.17
	LN17A050-03M08	8	1	50	43.5	50	22	1	EECZ0d	L080	O	0.25
	LN17A063-03M08	8	1	63	56.5	50	22	1	EECZ0d	L080	O	0.42

注1：刀盘上不附带刀体安装螺钉，刀体安装螺钉需单独购买；
注2：铣刀柄长度超过2.5L/D，请适当降低转速；
注3：建议使用冷却液，进行湿式加工。

Note 1：The screw is not included in the milling cutter，it must be purchased separately;
Note 2：If the length of milling cutter holder exceeds 2.5*Diameter, please reduce the speed properly;
Note 3: It is recommended to use coolant liquid for wet machining.

配件清单 Parts list

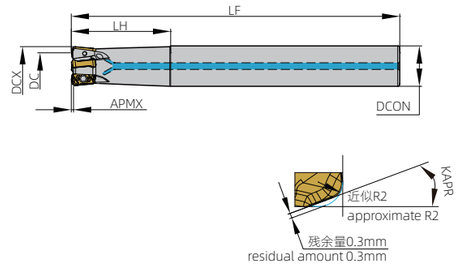
刀盘型号 Specification Of Face Milling Cutter		
LN03○○○○	DGTK09	Q08

刀片Insert → DB016

LN17 | 17°快进给铣刀杆
17° High Feed End Milling Cutter

17° KAPR | ISO 6462 | 精加工 | 粗加工 | 平面加工 | 多层面加工





1.单位Unit：mm
2.本图所示为右手刀Fig is R
3.冷却方式Coolant hole：内冷孔 O、外冷E、微量冷却Q、精准冷却A

1.Unit: mm
2.This picture shows a right-hand cutter.
3.Cooling methods: internal cooling hole "O", external cooling "E", trace amount coolant "Q", accurate cooling "A".

形式 From	型号 Specification	刃数 Teeth	图 Fig	DCX	DC	DCON	LF	LH	APMX	冷却方式 Cooling Mode	WT(kg)
标准型 Standard Type	LN17R16150A16-03M02	2	1	16	9.5	16	150	40	1	O	0.23
	LN17R17150A16-03M02	2	1	17	10.5	16	150	40	1	O	0.24
	LN17R20150A20-03M03	3	1	20	13.5	20	150	50	1	O	0.36
	LN17R21150A20-03M03	3	1	21	14.5	20	150	50	1	O	0.39
	LN17R25150A25-03M04	4	1	25	18.5	25	150	60	1	O	0.55
	LN17R26150A25-03M04	4	1	26	19.5	25	150	60	1	O	0.56
	LN17R32160A32-03M05	5	1	32	25.5	32	160	70	1	O	0.86
	LN17R33160A32-03M05	5	1	33	26.5	32	160	70	1	O	0.89
	LN17R35160A32-03M05	5	1	35	28.5	32	160	70	1	O	0.95
加长型 Standard Type	LN17R16200A16-03M02	2	1	16	9.5	16	200	60	1	O	0.29
	LN17R17200A16-03M02	2	1	17	10.5	16	200	60	1	O	0.31
	LN17R20200A20-03M03	3	1	20	13.5	20	200	70	1	O	0.46
	LN17R21200A20-03M03	3	1	21	14.5	20	200	70	1	O	0.47
	LN17R25200A25-03M04	4	1	25	18.5	25	200	90	1	O	0.70
	LN17R26200A25-03M04	4	1	26	19.5	25	200	90	1	O	0.74
	LN17R32200A32-03M05	5	1	32	25.5	32	200	120	1	O	1.16
	LN17R33200A32-03M05	5	1	33	26.5	32	200	120	1	O	1.17
	LN17R35200A32-03M05	5	1	35	28.5	32	200	120	1	O	1.22

注：铣刀柄长度超过3.5L/D，请适当降低转速.

Note 1：If the length of milling cutter holder exceeds 2.5*Diameter, please reduce the speed properly.

配件清单 Parts list

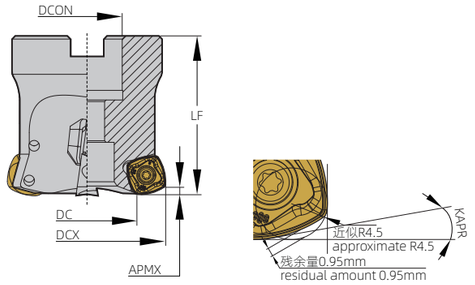
刀杆型号 Specification Of End Milling Cutter		
LN03○○○○	DGTK09	Q08

刀片Insert → DB016

SD15 15°快进给铣刀盘
15° High Feed Face Milling Cutter

15° KAPR | ISO 6462 | 粗加工 | 平面加工 | 台阶面加工 | 槽\切断 | 挖掘加工





1.单位Unit：mm
2.本图所示为右手刀Fig is R
3.冷却方式Coolant hole：内冷孔 O、外冷E、微量冷却Q、精准冷却A

1.Unit: mm
2.This picture shows a right-hand cutter.
3.Cooling methods: internal cooling hole "O", external cooling "E", trace amount coolant "Q", accurate cooling "A".

形式 From	型号 Specification	刃数 Teeth	图 Fig	DCX	DC	LF	DCON	APMX	刀体安装螺钉 Screw of cutting body	刀体安装扳手 Wrench of cutting body	冷却方式 Cooling Mode	WT(kg)
标准型 Standard Type	SD15A050-12M04	4	1	50	47	50	22	2.5	EECZ0d	L080	E	0.35
	SD15A063-12M04	4	1	63	60	50	22	2.5	EECZ0d	L080	E	0.65

注1：刀盘上不附带刀体安装螺钉，刀体安装螺钉需单独购买；
注2：铣刀柄长度超过2.5L/D，请适当降低转速；
注3：建议使用冷却液，进行湿式加工。

Note 1：The screw is not included in the milling cutter，it must be purchased separately;
Note 2：If the length of milling cutter holder exceeds 2.5*Diameter, please reduce the speed properly;
Note 3: It is recommended to use coolant liquid for wet machining.

配件清单 Parts list

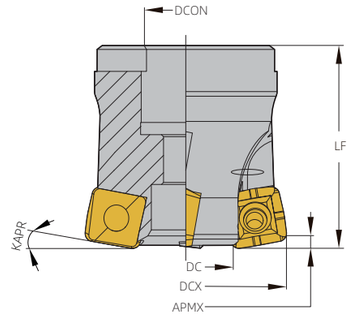
刀盘型号 Specification Of Face Milling Cutter				
SD15OOOO	DGTK04	DGTK07	DGTK04	Q15

刀片Insert → DB026

SO16 16°快进给铣刀盘
16° High Feed Face Milling Cutter

16° KAPR | ISO 6462 | 粗加工 | 平面加工 | 台阶面加工 | 槽\切断 | 挖掘加工





1.单位Unit：mm
2.本图所示为右手刀Fig is R
3.冷却方式Coolant hole：内冷孔 O、外冷E、微量冷却Q、精准冷却A

1.Unit: mm
2.This picture shows a right-hand cutter.
3.Cooling methods: internal cooling hole "O", external cooling "E", trace amount coolant "Q", accurate cooling "A".

形式 From	型号 Specification	刃数 Teeth	图 Fig	DCX	DC	LF	DCON	APMX	刀体安装螺钉 Screw of cutting body	刀体安装扳手 Wrench of cutting body	冷却方式 Cooling Mode	WT(kg)
标准型 Standard Type	SO16A050-14M04	4	1	50	27	50	22	2	EECZ0d	L080	E	0.40
	SO16A063-14M04	4	1	63	40	50	22	2	EECZ0d	L080	E	0.75
	SO16A080-14M05	5	1	80	57	50	27	2	EECZ0e	L100	E	1.15

注1：刀盘上不附带刀体安装螺钉，刀体安装螺钉需单独购买；
注2：铣刀柄长度超过2.5L/D，请适当降低转速；
注3：建议使用冷却液，进行湿式加工。

Note 1：The screw is not included in the milling cutter，it must be purchased separately;
Note 2：If the length of milling cutter holder exceeds 2.5*Diameter, please reduce the speed properly;
Note 3: It is recommended to use coolant liquid for wet machining.

配件清单 Parts list

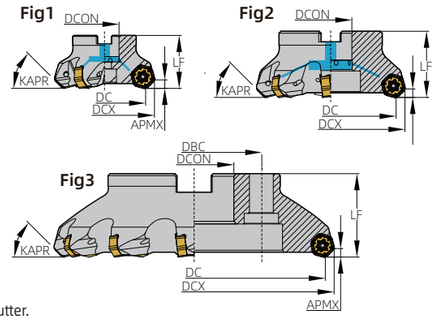
刀盘型号 Specification Of Face Milling Cutter		
SO16OOOO	DGTK06	Q20

刀片Insert → DB026

HN45 45°面铣刀 45° Face Milling Cutter

45° KAPR | ISO 6462 | 精加工 | 粗加工 | 平面加工 | 倒角加工





1.单位Unit：mm
2.本图所示为右手刀Fig is R
3.冷却方式Coolant hole：内冷孔 O、外冷E、微量冷却Q、精准冷却A

1.Unit: mm
2.This picture shows a right-hand cutter.
3.Cooling methods: internal cooling hole "O", external cooling "E", trace amount coolant "Q", accurate cooling "A".

形式 From	型号 Specification	刃数 Teeth	图 Fig	DC	DCX	LF	DCON	DBC	APMX	刀体安装螺钉 Screw of cutting body	刀体安装扳手 Wrench of cutting body	冷却方式 Cooling Mode	WT(kg)
疏齿型 Thinning Type	HN45B080-09L06	6	1	80	93	50	27	-	6	EECZ0h	L100	O	1.23
	HN45B100-09L06	6	2	100	113	50	32	-	6	EECZ0i	L140	O	1.85
	HN45B125-09L06	6	2	125	138	63	40	-	6	EECZ0j	L170	O	3.45
	HN45C160-09L08	8	3	160	173	63	40	66.7	6	EECZ0f	L100	E	5.15
标准型 Standard Type	HN45A050-09M04	4	1	50	63	40	22	-	6	EECZ0d	L080	O	0.45
	HN45A063-09M06	6	1	63	76	40	22	-	6	EECZ0d	L080	O	0.60
	HN45B080-09M08	8	1	80	93	50	27	-	6	EECZ0h	L100	O	1.22
	HN45B100-09M08	8	2	100	113	50	32	-	6	EECZ0i	L140	O	1.80
	HN45B125-09M08	8	2	125	138	63	40	-	6	EECZ0j	L170	O	3.37
	HN45C160-09M10	10	3	160	173	63	40	66.7	6	EECZ0f	L100	E	5.00
	HN45C200-09M12	12	3	200	213	63	60	101.6	6	EECZ0f	L140	E	5.89
	HN45C250-09M14	14	3	250	263	63	60	101.6	6	EECZ0g	L140	E	9.49
	HN45C315-09M16	16	3	315	328	80	60	101.6	6	EECZ0g	L140	E	21.00
密齿型 Multiple Edge Type	HN45B100-09H10	10	1	50	113	40	32	-	6	EECZ0i	L140	O	1.75
	HN45B125-09H10	10	1	63	138	40	40	-	6	EECZ0j	L170	O	3.29
	HN45C160-09H12	12	1	80	173	50	40	66.7	6	EECZ0f	L100	E	4.97

注1：刀盘上不附带刀体安装螺钉，刀体安装螺钉需单独购买；
注2：加工直径DC为160的铣刀体，可以使用ISO-6462B芯轴式安装；
注3：铣刀柄长度超过2.5L/D，请适当降低转速；
注4：建议使用冷却液，进行湿式加工。

Note 1：The screw is not included in the milling cutter，it must be purchased separately;
Note 2：Milling cutter with diameter of DC 160 can making installation with isO-6462B mandrel type;
Note 3：If the length of milling cutter holder exceeds 2.5*Diameter, please reduce the speed properly;
Note 4: It is recommended to use coolant liquid for wet machining.

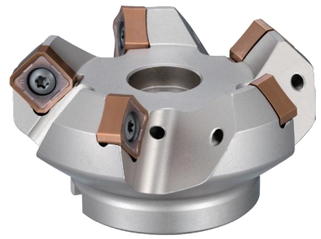
配件清单 Parts list

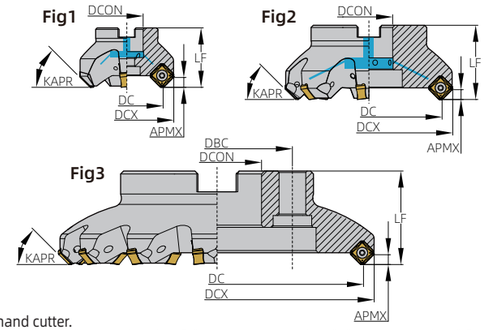
刀盘型号 Specification Of Face Milling Cutter		
HN45○○○○09○○○	DGAP03	T15M

刀片Insert → DB015

SN45 45°面铣刀盘 45° Face Milling Cutter

45° KAPR | ISO 6462 | 精加工 | 粗加工 | 平面加工 | 倒角加工





1.单位Unit：mm
2.本图所示为右手刀Fig is R
3.冷却方式Coolant hole：内冷孔 O、外冷E、微量冷却Q、精准冷却A

1.Unit: mm
2.This picture shows a right-hand cutter.
3.Cooling methods: internal cooling hole "O", external cooling "E", trace amount coolant "Q", accurate cooling "A".

形式 From	型号 Specification	刃数 Teeth	图 Fig	DC	DCX	LF	DCON	DBC	APMX	刀体安装螺钉 Screw of cutting body	刀体安装扳手 Wrench of cutting body	冷却方式 Cooling Mode	WT(kg)
标准型 Standard Type	SN45A050-12M04	4	1	50	63	40	22	-	6	EECZ0d	L080	O	0.40
	SN45A063-12M06	6	1	63	76	40	22	-	6	EECZ0d	L080	O	0.60
	SN45A080-12M08	8	1	80	93	50	27	-	6	EECZ0e	L100	O	1.20
	SN45B100-12M10	10	2	100	113	50	32	-	6	EECZ0i	L140	O	1.76
	SN45B125-12M12	12	2	125	138	63	40	-	6	EECZ0j	L170	O	3.28
	SN45C160-12M14	14	3	160	173	63	40	66.7	6	EECZ0f	L100	E	4.60
	SN45C200-12M16	16	3	200	213	63	60	101.6	6	EECZ0f	L100	E	5.90
密齿型 Multiple Edge Type	SN45A050-12H06	6	1	50	113	40	32	-	6	EECZ0d	L080	O	0.40
	SN45A063-12H08	8	1	63	76	40	22	-	6	EECZ0d	L080	O	0.60
	SN45A080-12H10	10	1	80	93	50	27	-	6	EECZ0e	L100	O	1.20
	SN45B100-12H12	12	2	100	113	50	32	-	6	EECZ0i	L140	O	1.70
	SN45B125-12H16	16	2	125	138	63	40	-	6	EECZ0j	L170	O	3.30
	SN45C160-12H20	20	3	160	173	63	40	66.7	6	EECZ0f	L100	E	4.70
	SN45C200-12H24	24	3	200	213	63	60	101.6	6	EECZ0f	L100	E	6.00

注1：刀盘上不附带刀体安装螺钉，刀体安装螺钉需单独购买；
注2：加工直径DC为160的铣刀体，可以使用ISO-6462B芯轴式安装；
注3：铣刀柄长度超过2.5L/D，请适当降低转速；
注4：建议使用冷却液，进行湿式加工。

Note 1：The screw is not included in the milling cutter，it must be purchased separately;
Note 2：Milling cutter with diameter of DC 160 can making installation with isO-6462B mandrel type;
Note 3：If the length of milling cutter holder exceeds 2.5*Diameter, please reduce the speed properly;
Note 4: It is recommended to use coolant liquid for wet machining.

配件清单 Parts list

刀盘型号 Specification Of Face Milling Cutter		
SN45○○○○12○○○	DGAP02	T15M

刀片Insert → DB020

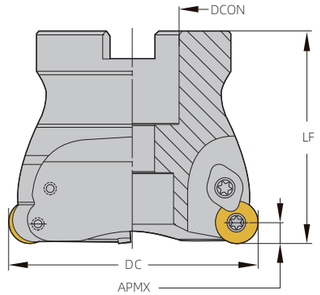
可转位刀具 Indexable Tool

EMR | EMR圆刀片铣刀盘 EMR Round Inserts Face Milling Cutter

ISO 6462

粗加工 平面加工 台阶面加工 槽\切断 挖掘加工





1.单位Unit：mm
2.本图所示为右手刀Fig is R
3.冷却方式Coolant hole：内冷孔 O、外冷E、微量冷却Q、精准冷却A

1.Unit: mm
2.This picture shows a right-hand cutter.
3.Cooling methods: internal cooling hole "O", external cooling "E", trace amount coolant "Q", accurate cooling "A".

形式 From	型号 Specification	刃数 Teeth	图 Fig	DC	DCON	LF	APMX	刀片 MIID	刀体安装螺钉 Screw of cutting body	刀体安装扳手 Wrench of cutting body	冷却方式 Cooling Mode	WT(kg)
标准型 Standard Type	EMRA050-10M04	4	1	50	22	50	5	RPMW1003	EECZ0d	L080	E	0.45
	EMRA063-10M04	4	1	63	22	50	5	RPMW1003	EECZ0d	L080	E	0.68
	EMRA063-10M05	5	1	63	22	50	5	RPMW1003	EECZ0d	L080	E	0.68
	EMRA080-10M06	6	1	80	27	50	5	RPMW1003	EECZ0e	L100	E	1.15
标准型 Standard Type	EMRA050-12M04	4	1	50	22	50	6	RPMT1204	EECZ0d	L080	E	0.44
	EMRA063-12M04	4	1	63	22	50	6	RPMT1204	EECZ0d	L080	E	0.69
	EMRA063-12M05	5	1	63	22	50	6	RPMT1204	EECZ0d	L080	E	0.68
	EMRA080-12M05	5	1	80	27	50	6	RPMT1204	EECZ0e	L100	E	1.15
	EMRA100-12M06	6	1	100	32	50	6	RPMT1204	EECZ0k	L140	E	1.65

注1：刀盘上不附带刀体安装螺钉，刀体安装螺钉需单独购买；
注2：铣刀柄长度超过2.5L/D，请适当降低转速；
注3：建议使用冷却液，进行湿式加工。

Note 1：The screw is not included in the milling cutter，it must be purchased separately;
Note 2：If the length of milling cutter holder exceeds 2.5*Diameter, please reduce the speed properly;
Note 3: It is recommended to use coolant liquid for wet machining.

配件清单 Parts list

刀盘型号 Specification Of Face Milling Cutter				
EMR○○○○**10**○○○	DGTK04	DGTK07	DGTK05	Q15
EMR○○○○**12**○○○	DGTK04	DGTK08	DGTK04	Q15

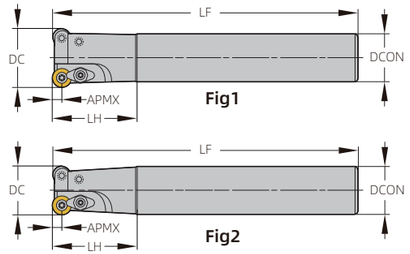
刀片Insert → DB025

EMR | EMR圆刀片铣刀杆 EMR Round Inserts End Milling Cutter

ISO 6462

粗加工 平面加工 台阶面加工 槽\切断 挖掘加工





1.单位Unit：mm
2.本图所示为右手刀Fig is R
3.冷却方式Coolant hole：内冷孔 O、外冷E、微量冷却Q、精准冷却A

1.Unit: mm
2.This picture shows a right-hand cutter.
3.Cooling methods: internal cooling hole "O", external cooling "E", trace amount coolant "Q", accurate cooling "A".

形式 From	型号 Specification	刃数 Teeth	图 Fig	DC	DCON	LF	LH	APMX	刀片 MIID	冷却方式 Cooling Mode	WT(kg)
标准型 Standard Type	EMR20150A20-10M02	2	1	20	20	150	50	5	RPMW1003	E	0.38
	EMR20200A20-10M02	2	1	20	20	200	70	5	RPMW1003	E	0.50
	EMR21150A20-10M02	2	2	21	20	150	40	5	RPMW1003	E	0.39
	EMR21200A20-10M02	2	2	21	20	200	40	5	RPMW1003	E	0.52
	EMR25150A20-10M02	2	2	25	20	150	40	5	RPMW1003	E	0.40
	EMR25200A20-10M02	2	2	25	20	200	40	5	RPMW1003	E	0.53
	EMR25150A25-10M02	2	1	25	25	150	50	5	RPMW1003	E	0.58
	EMR25200A25-10M02	2	1	25	25	200	70	5	RPMW1003	E	0.78
	EMR26150A25-10M02	2	2	26	25	150	40	5	RPMW1003	E	0.59
	EMR26200A25-10M02	2	2	26	25	200	40	5	RPMW1003	E	0.80
	EMR30150A25-10M02	2	2	30	25	150	35	5	RPMW1003	E	0.61
	EMR30200A25-10M02	2	2	30	25	200	35	5	RPMW1003	E	0.82
	EMR30250A25-10M02	2	2	30	25	250	35	5	RPMW1003	E	1.01
	EMR35150A32-10M03	3	2	35	32	150	45	5	RPMW1003	E	0.94
	EMR35200A32-10M03	3	2	35	32	200	45	5	RPMW1003	E	1.26
	EMR35250A32-10M03	3	2	35	32	250	45	5	RPMW1003	E	1.59
	EMR35300A32-10M03	3	2	35	32	300	45	5	RPMW1003	E	1.91
标准型 Standard Type	EMR30150A25-12M02	2	2	30	25	150	45	6	RPMT1204	E	0.60
	EMR30200A25-12M02	2	2	30	25	200	45	6	RPMT1204	E	0.80
	EMR30250A25-12M02	2	2	30	25	250	45	6	RPMT1204	E	1.02
	EMR32160A25-12M02	2	2	32	25	160	45	6	RPMT1204	E	0.65
	EMR32200A25-12M02	2	2	32	25	200	45	6	RPMT1204	E	0.82
	EMR32250A25-12M02	2	2	32	25	250	45	6	RPMT1204	E	1.02
	EMR32160A32-12M02	2	1	32	32	160	60	6	RPMT1204	E	0.97
	EMR32200A32-12M02	2	1	32	32	200	70	6	RPMT1204	E	1.22
	EMR32250A32-12M02	2	1	32	32	250	100	6	RPMT1204	E	1.58
	EMR35150A32-12M03	3	2	35	32	150	50	6	RPMT1204	E	1.00
	EMR35200A32-12M03	3	2	35	32	200	50	6	RPMT1204	E	1.25
	EMR35250A32-12M03	3	2	35	32	250	50	6	RPMT1204	E	1.58
	EMR40160A32-12M03	3	2	40	32	160	50	6	RPMT1204	E	1.02
	EMR40200A32-12M03	3	2	40	32	200	50	6	RPMT1204	E	1.28
	EMR40250A32-12M03	3	2	40	32	250	50	6	RPMT1204	E	1.60
	EMR40300A32-12M03	3	2	40	32	300	50	6	RPMT1204	E	1.92

注：铣刀柄长度超过3.5L/D，请适当降低转速.

Note 1：If the length of milling cutter holder exceeds 2.5*Diameter, please reduce the speed properly.

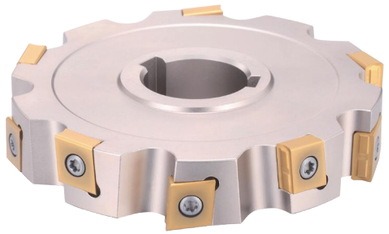
配件清单 Parts list

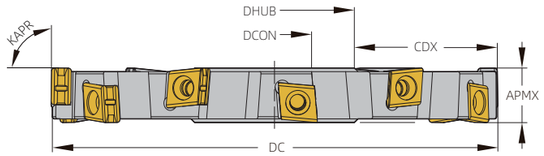
刀杆型号 Specification Of End Milling Cutter				
EMR○○○○**10**○○○	DGTK04	DGTK07	DGTK05	Q15
EMR○○○○**12**○○○	DGTK04	DGTK08	DGTK04	Q15

刀片Insert → DB025

CNHX 锯片型三面刃刀盘 Full Slot Disk Type Slotting Cutter

90° KAPR | ISO 6462 | 粗加工 | 槽\切断 | 槽加工 | 台阶面加工





1.单位Unit：mm
2.本图所示为右手刀Fig is R
3.冷却方式Coolant hole：内冷孔 O、外冷E、微量冷却Q、精准冷却A

1.Unit: mm
2.This picture shows a right-hand cutter.
3.Cooling methods: internal cooling hole "O", external cooling "E", trace amount coolant "Q", accurate cooling "A".

形式 From	型号 Specification	刃数 Teeth	图 Fig	刀片数 CICT	DC	DCON	THUB	LU	DHUB	APMX	CDX	刀片 MIID	冷却方式 Cooling Mode	WT(kg)
标准型 Standard Type	CNS063-15-10M06	3	1	6	63	22	15	15	34.00	15	15	CNHX1005	E	0.19
	CNS080-15-10M08	4	1	8	80	22	15	15	33.60	15	24	CNHX1005	E	0.35
	CNS100-15-10M10	5	1	10	100	27	15	15	41.60	15	30	CNHX1005	E	0.58
	CNS125-15-10M12	6	1	12	125	32	15	15	46.60	15	40	CNHX1005	E	0.95
	CNS160-15-10M14	7	1	14	160	40	15	15	57.60	15	52	CNHX1005	E	1.64
	CNS200-15-10M16	8	1	16	200	50	15	15	70.60	15	65	CNHX1005	E	2.64
	CNS250-15-10M18	9	1	18	250	60	15	15	92.60	15	80	CNHX1005	E	4.23
	CNS063-20-13M06	3	1	6	63	22	20	20	33.50	20	15	CNHX1311	E	0.30
	CNS080-20-13M08	4	1	8	80	22	20	20	32.50	20	24	CNHX1311	E	0.53
	CNS100-20-13M10	5	1	10	100	27	20	20	40.50	20	30	CNHX1311	E	0.86
	CNS125-20-13M12	6	1	12	125	32	20	20	45.50	20	40	CNHX1311	E	1.39
	CNS160-20-13M14	7	1	14	160	40	20	20	57.50	20	52	CNHX1311	E	2.36
	CNS200-20-13M16	8	1	16	200	50	20	20	71.73	20	65	CNHX1311	E	3.69
	CNS250-20-13M18	9	1	18	250	60	20	20	93.00	20	80	CNHX1311	E	5.96
	CNS063-25-16M06	3	1	6	63	22	25	25	33.82	25	15	CNHX1606	E	0.37
	CNS080-25-16M08	4	1	8	80	22	25	25	34.52	25	24	CNHX1606	E	0.66
	CNS100-25-16M10	5	1	10	100	27	25	25	41.52	25	30	CNHX1606	E	1.05
	CNS125-25-16M12	6	1	12	125	32	25	25	46.52	25	40	CNHX1606	E	1.71
	CNS160-25-16M14	7	1	14	160	40	25	25	58.58	25	52	CNHX1606	E	2.86
	CNS200-25-16M16	8	1	16	200	50	25	25	72.52	25	65	CNHX1606	E	4.58
	CNS250-25-16M18	9	1	18	250	60	25	25	92.52	25	80	CNHX1606	E	7.36

注1：铣刀柄长度超过2.5L/D，请适当降低转速；
注2：建议使用冷却液，进行湿式加工。

Note 1: If the length of milling cutter holder exceeds 2.5*Diameter, please reduce the speed properly;
Note 2: It is recommended to use coolant liquid for wet machining.

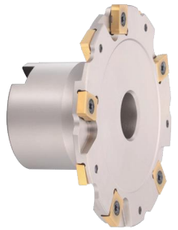
配件清单 Parts list

刀盘型号 Specification Of Face Milling Cutter		
CN○○○○10○○○	DGDR04	TS15IP
CN○○○○13○○○	DGDR04	TS15IP
CN○○○○16○○○	DGDR05	TS20

刀片Insert → DB014

ZNHT 三面刃铣刀盘 Full Slot Flange-Type Slotting Cutter

90° KAPR | ISO 6462 | 粗加工 | 槽\切断 | 槽加工 | 台阶面加工



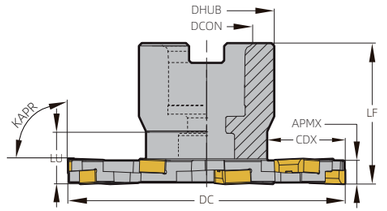


Fig1

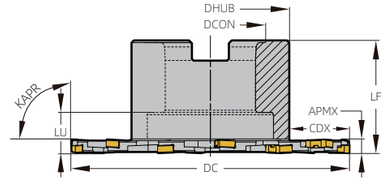


Fig2

1.单位Unit：mm
2.本图所示为右手刀Fig is R
3.冷却方式Coolant hole：内冷孔 O、外冷E、微量冷却Q、精准冷却A

1.Unit: mm
2.This picture shows a right-hand cutter.
3.Cooling methods: internal cooling hole "O", external cooling "E", trace amount coolant "Q", accurate cooling "A".

形式 From	型号 Specification	刃数 Teeth	图 Fig	刀片数 CICT	DC	DCON	LF	APMX	CDX	LU	DHUB	刀片 MIID	刀体安装螺钉 Screw of cutting body	刀体安装扳手 Wrench of cutting body	冷却方式 Cooling Mode	WT(kg)
标准型 Standard Type	ZNA080-04-023M10	5	1	10	80	22	50	4.0	20.0	20.28	40	ZNHT023	EECZ0d	L080	E	0.4
	ZNA100-04-023M12	6	1	12	100	27	50	4.0	26.0	20.28	48	ZNHT023	EECZ0e	L100	E	0.6
	ZNA080-05-028M10	5	1	10	80	22	50	5.0	20.0	21.49	40	ZNHT028	EECZ0d	L080	E	0.5
	ZNA100-05-028M12	6	1	12	100	27	50	5.0	26.0	18.42	48	ZNHT028	EECZ0e	L100	E	0.7
	ZNA080-06-033M10	5	1	10	80	22	50	6.0	20.0	21.49	40	ZNHT033	EECZ0d	L080	E	0.6
	ZNA100-06-033M12	6	1	12	100	27	50	6.0	26.0	18.42	48	ZNHT033	EECZ0e	L100	E	0.7
	ZNB125-06-033M14	7	2	14	125	40	50	6.0	25.0	-	70	ZNHT033	EECZ0j	L170	E	1.2
	ZNB160-06-033M18	9	2	18	160	40	50	6.0	43.0	-	70	ZNHT033	EECZ0j	L170	E	1.5
	ZNA080-07-038M08	4	1	8	80	22	50	7.0	20.0	20.26	40	ZNHT038	EECZ0d	L080	E	0.5
	ZNA100-07-038M10	5	1	10	100	27	50	7.0	25.5	18.12	48	ZNHT038	EECZ0e	L100	E	0.7
	ZNB125-07-038M12	6	2	12	125	40	50	7.0	24.5	-	70	ZNHT038	EECZ0j	L170	E	1.2
	ZNB160-07-038M16	8	2	16	160	40	50	7.0	42.0	-	70	ZNHT038	EECZ0j	L170	E	1.5
	ZNA080-08-043M08	4	1	8	80	22	50	8.0	20.0	17.99	40	ZNHT043	EECZ0d	L080	E	0.5
	ZNA100-08-043M10	5	1	10	100	27	50	8.0	25.5	16.42	48	ZNHT043	EECZ0e	L100	E	0.8
	ZNB125-08-043M12	6	2	12	125	40	50	8.0	24.5	-	70	ZNHT043	EECZ0j	L170	E	1.2
	ZNB160-08-043M16	8	2	16	160	40	50	8.0	42.0	-	70	ZNHT043	EECZ0j	L170	E	1.6
	ZNA100-09-048M10	5	1	10	100	27	50	9.0	26.0	18.42	48	ZNHT048	EECZ0e	L100	E	0.8
	ZNB125-09-048M12	6	2	12	125	40	50	9.0	24.5	-	70	ZNHT048	EECZ0j	L170	E	1.3
	ZNB160-09-048M16	8	2	16	160	40	50	9.0	42.0	-	70	ZNHT048	EECZ0j	L170	E	1.7
	ZNA100-10-053M10	5	1	10	100	27	50	10.0	26.0	18.42	48	ZNHT053	EECZ0e	L100	E	0.8
	ZNB125-10-053M12	6	2	12	125	40	50	10.0	24.5	-	70	ZNHT053	EECZ0j	L170	E	1.4
	ZNB160-10-053M16	8	2	16	160	40	50	10.0	42.0	-	70	ZNHT053	EECZ0j	L170	E	1.9
	ZNA100-11-058M08	4	1	8	100	27	50	11.0	26.0	21.34	48	ZNHT058	EECZ0e	L100	E	0.8
	ZNB125-11-058M10	5	2	10	125	40	50	11.0	24.5	-	70	ZNHT058	EECZ0j	L170	E	1.4
	ZNB160-11-058M14	7	2	14	160	40	50	11.0	42.0	-	70	ZNHT058	EECZ0j	L170	E	1.9
	ZNA100-12-063M08	4	1	8	100	27	50	12.0	26.0	21.34	48	ZNHT063	EECZ0e	L100	E	0.8
	ZNB125-12-063M10	5	2	10	125	40	50	12.0	24.5	-	70	ZNHT063	EECZ0j	L170	E	1.4
	ZNB160-12-063M14	7	2	14	160	40	50	12.0	42.0	-	70	ZNHT063	EECZ0j	L170	E	1.9
	ZNA100-13-068M08	4	1	8	100	27	50	13.0	26.0	21.34	48	ZNHT068	EECZ0e	L100	E	0.8
	ZNB125-13-068M10	5	2	10	125	40	50	13.0	24.5	-	70	ZNHT068	EECZ0j	L170	E	1.4
	ZNB160-13-068M14	7	2	14	160	40	50	13.0	42.0	-	70	ZNHT068	EECZ0j	L170	E	1.9
	ZNA100-14-073M08	4	1	8	100	27	50	14.0	26.0	21.34	48	ZNHT073	EECZ0e	L100	E	0.8
	ZNB125-14-073M10	5	2	10	125	40	50	14.0	24.5	-	70	ZNHT073	EECZ0j	L170	E	1.4
	ZNB160-14-073M14	7	2	14	160	40	50	14.0	42.0	-	70	ZNHT073	EECZ0j	L170	E	1.9

注1：刀盘上不附带刀体安装螺钉，刀体安装螺钉需单独购买；
注2：铣刀柄长度超过2.5L/D，请适当降低转速；
注3：建议使用冷却液，进行湿式加工。

Note 1: The screw is not included in the milling cutter, it must be purchased separately;
Note 2: If the length of milling cutter holder exceeds 2.5*Diameter, please reduce the speed properly;
Note 3: It is recommended to use coolant liquid for wet machining.

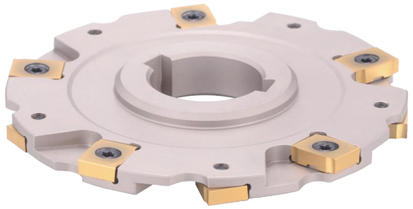
配件清单 Parts list

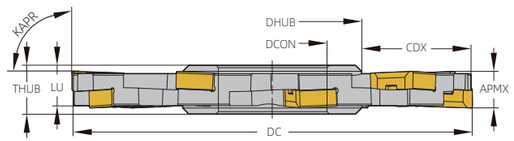
刀盘型号 Specification of Face Milling Cutter			刀盘型号 Specification of Face Milling Cutter			刀盘型号 Specification of Face Milling Cutter		
ZN○○○○-023○○○	DGDR06	TS08	ZN○○○○-043○○○	DGDR0a	TS15	ZN○○○○-063○○○	DGDR0d	TS20
ZN○○○○-028○○○	DGDR07	TS08	ZN○○○○-048○○○	DGDR0b	TS15	ZN○○○○-068○○○	DGDR0d	TS20
ZN○○○○-033○○○	DGDR08	TS08	ZN○○○○-053○○○	DGDR0c	TS15	ZN○○○○-073○○○	DGDR0d	TS20
ZN○○○○-038○○○	DGDR09	TS15	ZN○○○○-058○○○	DGDR0d	TS20			

刀片Insert → DB022

ZNHT 锯片型三面刃铣刀盘 Full Slot Disk Type Slotting Cutter

90° KAPR | ISO 6462 | 粗加工 | 槽\切断 | 槽加工 | 台阶面加工





1.单位Unit：mm
2.本图所示为右手刀Fig is R
3.冷却方式Coolant hole：内冷孔 O、外冷E、微量冷却Q、精准冷却A

1.Unit: mm
2.This picture shows a right-hand cutter.
3.Cooling methods: internal cooling hole "O", external cooling "E", trace amount coolant "Q", accurate cooling "A".

形式 From	型号 Specification	刃数 Teeth	图 Fig	刀片数 CICT	DC	DCON	THUB	LU	DHUB	APMX	CDX	刀片 MIID	冷却方式 Cooling Mode	WT(kg)
标准型 Standard Type	ZNS063-04-023M08	4	1	8	63	22	8	6.0	39	4	12.0	ZNHT023	E	0.10
	ZNS080-04-023M10	5	1	10	80	22	8	6.0	38	4	21.0	ZNHT023	E	0.10
	ZNS100-04-023M12	6	1	12	100	27	12	8.0	46	4	27.0	ZNHT023	E	0.20
	ZNS125-04-023M14	7	1	14	125	40	12	8.0	61	4	32.0	ZNHT023	E	0.40
	ZNS063-05-028M08	4	1	8	63	22	8	6.5	37	5	13.0	ZNHT028	E	0.10
	ZNS080-05-028M10	5	1	10	80	22	8	6.5	38	5	21.0	ZNHT028	E	0.20
	ZNS100-05-028M12	6	1	12	100	27	12	8.5	46	5	27.0	ZNHT028	E	0.30
	ZNS125-05-028M14	7	1	14	125	40	12	8.5	59	5	33.0	ZNHT028	E	0.40
	ZNS160-05-028M18	9	1	18	160	40	12	8.5	60	5	50.0	ZNHT028	E	0.70
	ZNS063-06-033M08	4	1	8	63	22	8	7.0	37	6	13.0	ZNHT033	E	0.10
	ZNS080-06-033M10	5	1	10	80	22	8	7.0	37	6	21.5	ZNHT033	E	0.20
	ZNS100-06-033M12	6	1	12	100	27	12	9.0	46	6	27.0	ZNHT033	E	0.30
	ZNS125-06-033M14	7	1	14	125	40	12	9.0	59	6	33.0	ZNHT033	E	0.50
	ZNS160-06-033M18	9	1	18	160	40	12	9.0	60	6	50.0	ZNHT033	E	0.80
	ZNS200-06-033M20	10	1	20	200	50	12	9.0	74	6	63.0	ZNHT033	E	1.20
	ZNS080-07-038M08	4	1	8	80	22	12	9.5	40	7	20.0	ZNHT038	E	0.20
	ZNS100-07-038M10	5	1	10	100	27	12	9.5	47	7	26.5	ZNHT038	E	0.30
	ZNS125-07-038M12	6	1	12	125	40	12	9.5	61	7	32.0	ZNHT038	E	0.50
	ZNS160-07-038M16	8	1	16	160	40	12	9.5	61	7	49.5	ZNHT038	E	0.80
	ZNS200-07-038M18	9	1	18	200	50	12	9.5	75	7	62.5	ZNHT038	E	1.30
	ZNS250-07-038M24	12	1	24	250	22	12	9.5	75	7	87.5	ZNHT038	E	2.10
	ZNS080-08-043M08	4	1	8	80	27	12	10.0	39	8	20.5	ZNHT043	E	0.20
	ZNS100-08-043M10	5	1	10	100	40	12	10.0	46	8	27.0	ZNHT043	E	0.30
	ZNS125-08-043M12	6	1	12	125	40	12	10.0	60	8	32.5	ZNHT043	E	0.90
	ZNS160-08-043M16	8	1	16	160	50	12	10.0	60	8	50.0	ZNHT043	E	0.90
	ZNS200-08-043M18	9	1	18	200	50	12	10.0	74	8	63.0	ZNHT043	E	1.40
	ZNS250-08-043M24	12	1	24	250	22	12	10.0	74	8	88.0	ZNHT043	E	2.30
	ZNS100-09-048M10	5	1	10	100	27	12	10.5	45	9	27.5	ZNHT048	E	0.40
	ZNS125-09-048M12	6	1	12	125	40	12	10.5	59	9	33.0	ZNHT048	E	0.60
	ZNS160-09-048M16	8	1	16	160	40	12	10.5	59	9	50.5	ZNHT048	E	1.00
	ZNS200-09-048M18	9	1	18	200	50	12	10.5	73	9	63.5	ZNHT048	E	1.60
	ZNS250-09-048M24	12	1	24	250	50	12	10.5	73	9	88.5	ZNHT048	E	2.60
	ZNS100-10-053M10	5	1	10	100	27	12	11.0	44	10	28.0	ZNHT053	E	0.40
	ZNS125-10-053M12	6	1	12	125	40	12	11.0	58	10	33.5	ZNHT053	E	0.60
	ZNS160-10-053M16	8	1	16	160	40	12	11.0	58	10	51.0	ZNHT053	E	1.10
	ZNS200-10-053M18	9	1	18	200	50	12	11.0	72	10	64.0	ZNHT053	E	1.80
	ZNS250-10-053M24	12	1	24	250	50	12	11.0	72	10	89.0	ZNHT053	E	2.90
	ZNS100-11-058M08	4	1	8	100	27	16	13.5	44	11	28.0	ZNHT058	E	0.40
	ZNS125-11-058M10	5	1	10	125	40	16	13.5	58	11	33.5	ZNHT058	E	0.60
	ZNS160-11-058M14	7	1	14	160	40	16	13.5	58	11	51.0	ZNHT058	E	1.10
	ZNS200-11-058M16	8	1	16	200	50	16	13.5	72	11	64.0	ZNHT058	E	1.80
	ZNS250-11-058M22	11	1	22	250	50	16	13.5	72	11	89.0	ZNHT058	E	2.90

刀片Insert → DB022

ZNHT 锯片型三面刃铣刀盘 Full Slot Disk Type Slotting Cutter

形式 From	型号 Specification	刃数 Teeth	图 Fig	刀片数 CICT	DC	DCON	THUB	LU	DHUB	APMX	CDX	MIID	冷却方式 Cooling Mode	WT(kg)
标准型 Standard Type	ZNS100-12-063M08	4	1	8	100	27	16	14.0	44	12	28.0	ZNHT063	E	0.40
	ZNS125-12-063M10	5	1	10	125	40	16	14.0	58	12	33.5	ZNHT063	E	0.60
	ZNS160-12-063M14	7	1	14	160	40	16	14.0	58	12	51.0	ZNHT063	E	1.10
	ZNS200-12-063M16	8	1	16	200	50	16	14.0	72	12	64.0	ZNHT063	E	1.80
	ZNS250-12-063M22	11	1	22	250	50	16	14.0	72	12	89.0	ZNHT063	E	2.90
	ZNS100-13-068M08	4	1	8	100	27	16	14.5	44	13	28.0	ZNHT068	E	0.40
	ZNS125-13-068M10	5	1	10	125	40	16	14.5	58	13	33.5	ZNHT068	E	0.60
	ZNS160-13-068M14	7	1	14	160	40	16	14.5	58	13	51.0	ZNHT068	E	1.10
	ZNS200-13-068M16	8	1	16	200	50	16	14.5	72	13	64.0	ZNHT068	E	1.80
	ZNS250-13-068M22	11	1	22	250	50	16	14.5	72	13	89.0	ZNHT068	E	2.90
	ZNS100-14-073M08	4	1	8	100	27	16	15.0	44	14	28.0	ZNHT073	E	0.40
	ZNS145-14-073M10	5	1	10	125	40	16	15.0	58	14	33.5	ZNHT073	E	0.60
	ZNS160-14-073M14	7	1	14	160	40	16	15.0	58	14	51.0	ZNHT073	E	1.10
	ZNS200-14-073M16	8	1	16	200	50	16	15.0	72	14	64.0	ZNHT073	E	1.80
	ZNS250-14-073M22	11	1	22	250	50	16	15.0	72	14	89.0	ZNHT073	E	2.90

注1：铣刀柄长度超过2.5L/D，请适当降低转速；
注2：建议使用冷却液，进行湿式加工。

Note 1: If the length of milling cutter holder exceeds 2.5*Diameter, please reduce the speed properly;
Note 2: It is recommended to use coolant for wet machining.

配件清单 Parts list

刀盘型号 Specification of Face Milling Cutter			刀盘型号 Specification of Face Milling Cutter			刀盘型号 Specification of Face Milling Cutter		
ZN○○○○-023○○○	DGDR06	TS08	ZN○○○○-043○○○	DGDR0a	TS15	ZN○○○○-063○○○	DGDR0d	TS20
ZN○○○○-028○○○	DGDR07	TS08	ZN○○○○-048○○○	DGDR0b	TS15	ZN○○○○-068○○○	DGDR0d	TS20
ZN○○○○-033○○○	DGDR08	TS08	ZN○○○○-053○○○	DGDR0c	TS15	ZN○○○○-073○○○	DGDR0d	TS20
ZN○○○○-038○○○	DGDR09	TS15	ZN○○○○-058○○○	DGDR0d	TS20			

刀片Insert → DB022



EA

BMT HOLDERS
BMT刀座

Facing Tool Holder (External Coolant)
端面刀座（外出水） **EA003-003**

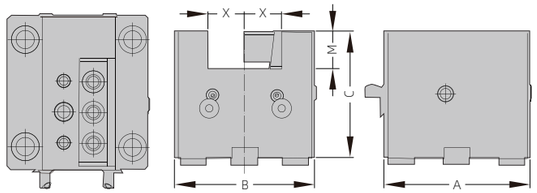
Outer Diameter Tool Holder(External Coolant)
外径刀座（外出水） **EA004-004**

Boring Tool Holder (Internal And External Coolant)
镗孔刀座 （内外出水） **EA005-005**

BMT Tool Holder Is Suitable For Machine Tool Manufacturers And Models
BMT 刀座适用机床厂家及型号 **EA006-007**

BMT | 端面刀座（外出水）
Facing Tool Holder (External Coolant)

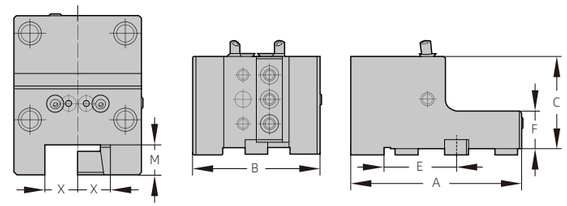




型号 Specification	X	A	B	C	M	适用品牌 Applicable Brand
BMT45-B20X60	20.0	85.0	75.0	60.0	20.0	DOOSAN Harding Spinner Samsung(SMEC) Victor Jyoti
BMT45-B20X80	20.0	85.0	75.0	80.0	20.0	
BMT45-B20X90	20.0	85.0	75.0	90.0	20.0	
BMT55-B20X70	20.0	95.0	90.0	70.0	20.0	DOOSAN Goodway Victor Hwacheon Hardinge Jyoti Samsung(SMEC) Hyundai WIA
BMT55-B20X84	20.0	105.0	85.0	84.0	20.0	
BMT55-B25X60	25.0	95.0	90.0	60.0	25.0	
BMT55-B25X95	25.0	105.0	90.0	95.0	25.0	
BMT65-B25X70	25.0	106.0	95.0	70.0	25.0	DOOSAN Goodway Victor Hwacheon Hardinge Haas Samsung(SMEC) Hyundai WIA
BMT65-B25X82	25.0	115.0	95.0	82.0	25.0	
BMT65-B25X95	25.0	115.0	95.0	95.0	25.0	
BMT65-B25X100	25.0	115.0	95.0	100.0	25.0	
BMT65-B25X120	25.0	115.0	95.0	120.0	25.0	
BMT75-B25X50	25.0	135.0	112.0	50.0	25.0	DOOSAN Hwacheon Victor Samsung(SMEC) Hyundai WIA
BMT75-B25X70	25.0	135.0	112.0	70.0	25.0	
BMT75-B25X122	25.0	135.0	112.0	122.0	25.0	
BMT75-B32X50	32.0	135.0	112.0	50.0	32.0	
BMT75-B32X70	32.0	120.0	112.0	70.0	32.0	
BMT75-B32X122	32.0	135.0	112.0	122.0	32.0	
BMT85-B32X72	32.0	156.0	130.0	72.0	32.0	DOOSAN Hwacheon Victor Samsung(SMEC) Hyundai WIA
BMT85-B32X107	32.0	169.0	130.0	107.0	32.0	
BMT85-B32X138	32.0	169.0	130.0	138.0	32.0	

BMT | 外径刀座（外出水）
Outer Diameter Tool Holder (External Coolant)

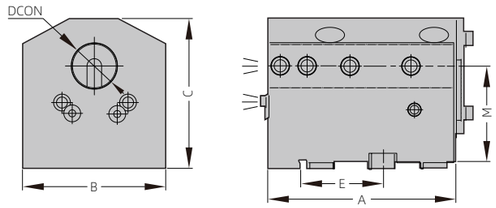




型号 Specification	X	A	B	C	E	F	M	适用品牌 Applicable Brand
BMT45-C20X60	20.0	105.0	75.0	60.0	46.0	25.0	20.0	DOOSAN Harding Spinner Samsung(SMEC) Victor Jyoti
BMT45-C20X65	20.0	96.0	75.0	65.0	46.0	25.0	20.0	
BMT55-C20X60	20.0	115.0	90.0	60.0	45.0	28.0	20.0	DOOSAN Goodway Victor Hwacheon Hardinge Jyoti Samsung(SMEC) Hyundai WIA
BMT55-C20X70	20.0	115.0	90.0	70.0	45.0	28.0	20.0	
BMT55-C20X80	20.0	115.0	90.0	80.0	45.0	28.0	20.0	
BMT55-C25X65	25.0	111.0	85.0	65.0	45.0	28.0	25.0	
BMT55-C25X70	25.0	115.0	90.0	70.0	45.0	28.0	25.0	
BMT55-C25X80	25.0	115.0	90.0	80.0	45.0	28.0	25.0	
BMT65-C25X65	25.0	131.0	95.0	65.0	55.5	25.0	25.0	DOOSAN Goodway Victor Hwacheon Hardinge Haas Samsung(SMEC) Hyundai WIA
BMT65-C25X75	25.0	131.0	95.0	75.0	55.5	30.0	25.0	
BMT65-C25X80	25.0	131.0	95.0	80.0	55.5	35.0	25.0	
BMT65-C25X90	25.0	131.0	95.0	90.0	55.5	35.0	25.0	
BMT75-C25X85	25.0	140.0	112.0	85.0	57.5	45.0	25.0	DOOSAN Hwacheon Victor Samsung(SMEC) Hyundai WIA
BMT75-C25X100	25.0	145.0	112.0	100.0	57.5	45.0	25.0	
BMT75-C32X85	32.0	150.0	112.0	85.0	57.5	35.0	32.0	
BMT75-C32X100	32.0	155.0	120.0	100.0	57.5	35.0	32.0	
BMT85-C32X75	32.0	173.0	130.0	75.0	75.5	40.0	32.0	DOOSAN Hwacheon Victor Samsung(SMEC) Hyundai WIA
BMT85-C32X90	32.0	173.0	130.0	90.0	75.5	35.0	32.0	
BMT85-C32X95	32.0	173.0	130.0	95.0	75.5	42.0	32.0	
BMT85-C32X120	32.0	173.0	130.0	95.0	75.5	50.0	32.0	
BMT85-C32X135	32.0	202.0	130.0	135.0	75.5	50.0	32.0	

BMT | 镗孔刀座（内外出水）
Boring Tool Holder (Internal And External Coolant)





型号 Specification	DCON	A	B	C	E	M	适用品牌 Applicable Brand
BMT45-E25X65	25.0	95.0	75.0	88.0	45.0	65.0	DOOSAN Harding Spinner Samsung(SMEC) Victor
BMT45-E25X80	25.0	95.0	75.0	110.0	45.0	80.0	
BMT45-E32X65	32.0	95.0	75.0	95.0	45.0	65.0	
BMT45-E32X80	32.0	95.0	75.0	110.0	45.0	80.0	
BMT45-E40X90	40.0	100.0	75.0	118.0	45.0	90.0	
BMT55-E32X60	32.0	105.0	90.0	90.0	50.0	60.0	DOOSAN Goodway Hardinge Hwacheon Jyoti Samsung(SMEC) Hyundai WIA
BMT55-E32X70	32.0	105.0	90.0	100.0	50.0	70.0	
BMT55-E32X80	32.0	105.0	90.0	109.0	50.0	80.0	
BMT55-E40X60	40.0	105.0	90.0	92.0	50.0	60.0	
BMT55-E40X70	40.0	105.0	90.0	102.0	50.0	70.0	
BMT55-E40X95	40.0	105.0	90.0	125.0	50.0	95.0	
BMT55-E40X100	40.0	105.0	90.0	127.0	50.0	100.0	
BMT65-E25X115	25.0	115.0	95.0	140.0	55.5	115.0	DOOSAN Goodway Victor Hwacheon Hyundai WIA Haas Samsung(SMEC)
BMT65-E32X72	32.0	115.0	95.0	100.0	55.5	72.0	
BMT65-E40X60	40.0	115.0	95.0	100.0	55.5	60.0	
BMT65-E40X65	40.0	115.0	95.0	100.0	55.5	65.0	
BMT65-E40X72	40.0	95.0	95.0	106.0	55.5	72.0	
BMT65-E40X85	40.0	115.0	95.0	115.0	55.5	85.0	
BMT65-E40X90	40.0	115.0	95.0	118.0	55.5	90.0	
BMT65-E40X100	40.0	95.0	95.0	134.0	55.5	100.0	
BMT65-E40X105	40.0	115.0	95.0	135.0	55.5	105.0	
BMT65-E40X115	40.0	95.0	95.0	150.0	55.5	115.0	
BMT65-E50X72	50.0	95.0	95.0	116.0	55.5	72.0	
BMT65-E50X90	50.0	115.0	95.0	125.0	55.5	90.0	
BMT65-E50X100	50.0	115.0	95.0	135.0	55.5	100.0	
BMT75-E50X60	50.0	115.0	112.0	110.0	-	60.0	Victar HyundaiWIA Hwacheon Samsung(SMEC)
BMT75-E50X90	50.0	120.0	112.0	130.0	-	90.0	
BMT75-E50X100	50.0	120.0	112.0	140.0	-	100.0	
BMT75-E50X110	50.0	115.0	112.0	150.0	-	110.0	
BMT75-E50X125	50.0	120.0	112.0	166.0	-	125.0	
BMT75-E60X60	60.0	115.0	112.0	110.0	-	60.0	
BMT75-E60X90	60.0	120.0	112.0	137.0	-	90.0	
BMT75-E60X110	60.0	115.0	112.0	160.0	-	110.0	
BMT75-E60X125	60.0	120.0	112.0	172.0	-	125.0	
BMT75-E80X120	80.0	120.0	124.0	176.0	-	120.0	
BMT85-E50X85	50.0	155.0	130.0	125.0	-	85.0	DOOSAN Hwacheon Victor Samsung(SMEC) Hyundai WIA
BMT85-E50X110	50.0	162.0	130.0	157.0	-	110.0	
BMT85-E60X95	60.0	150.0	130.0	140.0	-	95.0	
BMT85-E63X85	63.0	160.0	130.0	132.0	-	85.0	
BMT85-E80X110	80.0	160.0	130.0	162.0	-	110.0	
BMT85-E80X115	80.0	160.0	130.0	170.0	-	115.0	

BMT | BMT 刀座适用机床厂家及型号
Suitable Machine Tool Brand And Models

品牌 Specification	BMT45	BMT55	BMT65
	机床型号 Applicable Brand		
DOOSAN	Lynx 2100 M/MS	Lynx 300M	Puma 2100,2600 M/LM/MS/LMS/Y/LY/SY/LSY
	Lynx 220 M/LM/LMS/LY/LSY	Puma 1500,2000,2500 M/MS/Y/SY	Puma 2100,2600 Y/SY(16 Station turret)
	Puma MX1600 ST	Puma 2100 M/MS/Y/SY	Puma 300 M/MS/MB/MC
	-	Puma 230,240,280 M/MS/LM	Puma 3100 M/MS/Y/SY
	-	Puma GT2100,2600 M	Puma Inverturn 3000M
	-	Puma MX1600,2100 ST	Puma MX2000,2500,2600 T/ST/SY
	-	Puma TL 2000,2500 M	Puma SMX 3100 ST
	-	Puma TT 1500,1800 MS/SY	Puma TT 2000,2500 MS/SY
	-	Puma TW 2600 M	Puma V400M
	-	Puma TL 2000,2500 M	Puma VT450 M,M-2SP
Good way	-	GTX-2000,2600(16 Station turret)	GLS-2800,3300
	-	GTZ-2000,2600(16 Station turret)	GLS-2800,3300Y
	-	-	GMS-2000 ST(15 Station turret)
	-	-	GMT-2000
	-	-	GS-2000,2800(16 Station turret)
	-	-	GTX/GTZ-2000,2600(12 Station turret)
Haas	-	-	DS-30(BMT turret)
	-	-	ST-20/25/30/35(BMT turret)
Hardinge	GS-42,51	Conquest H51	GS-65
	T-42,51	Super-Precision T56	-
	Talent 42,51	T-65	-
Hwacheon	-	Cutex 160,180 MC/SMC/YMC/YSMC	Cutex 240 MC/SMC
	-	VT 450 MC	Hi-Tech 200,230,300,400,450 MC/SMC/YMC/YSMC
	-	-	T2-Series MC/SMC/YMC/YSMC
	-	-	VT-450
Hyundai WIA	-	HD2200 M/MC	L2000,2100,2600,3000 Y/LY/SY/LSY
	-	L160,230 MA/LMA/LMSA	L300 MA/MC/LMA/LMC/MSA/MSC/LMSA
	-	LM1600,1800 TTMS/TTSY	LM2000,2500 TTM/TTMS/TTSY
	-	SKT 160,180 TTMS/TTSY	SKT 200,250 TTSY
	-	-	SKT 250,300 LM/LMS/M/MS
Jyoti	ATM 160	AX 300	-
	AX 200	TMC500	-
	TMC 250	TMC 750	-
	TMC 350	-	-
Samsung(SMEC)	PL 1600 M/CM	PL 240 LM	PL 2000-2500M
	SL 15M	SL 1500,2000 M/SY	PL20-25-35 M
	-	-	SL 25,35,2500 M/SY，3500 Y
			-
Spinner	TC 300,TTC 300 SMMCY	-	
	TC 600 SMCY	-	-
	TTS 42,65	-	-

BMT | BMT 刀座适用机床厂家及型号
Suitable Machine Tool Brand And Models

品牌 Specification	BMT75	BMT85	
	机床型号 Applicable Brand		
DOOSAN	Puma 400,480,500 M/LM	Puma 600,700,800 M/LM/LY	
	Puma 4100,5100 M/LY	Puma VT1100 M	
	Puma V550,8300 M	Puma VT900 M,M-2SP	
	Puma VT750 M,M-2SP	-	
	-	-	
	-	-	
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	-	-	
	-	-	
Good way	-	-	
	-	-	
	-	-	
	-	-	
	-	-	
	-	-	
	-	-	
Haas	-	-	
	-	-	
Hardinge	-	-	
	-	-	
	-	-	
Hwacheon	Hi-Tech 550,700 MC	Hi-Tech 850 MC/YMC	
	VT 550,650 MC	VT 950,1150 MC	
	-	-	
	-	-	
Hyundai WIA	L400 MA/LMA/MC/LMC	L600,700,800 MA/LMA	
	LV800 RM	LV1100 RM	
	SKT 400 M/LMC,V80R/RM	SKT600,700 LM	
	-	-	
	-	-	
Jyoti	-	-	
	-	-	
	-	-	
	-	-	
Samsung(SMEC)	PL 45M,800 VM	PL 60,7080 M/LM	
	SL 45,5500 M	SL 65,SLV 1000 M	
	-	-	
Spinner	-	-	
	-	-	
	-	-	

刀具夹持 Tool Clamping



EB

VDI HOLDERS
VDI刀座

Nomenclature
命名规则 EB003-003

Radial Clamp Type Right Holder
径向压板式右刀座 EB005-005

Radial Clamp Type Left Holder
径向压板式左刀座 EB006-006

Radial Clamp Type Reverse Right Holder
径向压板式反切右刀座 EB007-007

Radial Clamp Type Reverse Left Holder
径向压板式反切左刀座 EB008-008

Long Radial Clamp Type Right Holder
长型径向压板式右刀座 EB009-009

Long Radial Clamp Type Left Holder
长型径向压板式左刀座 EB010-010

Long Radial Clamp Type Reverse Right Holder
长型径向压板式反切右刀座 EB011-011

Long Radial Clamp Type Reverse Left Holder
长型径向压板式反切左刀座 EB012-012

Axial Clamp Type Right Holder
轴向压板式右刀座 EB013-013

Axial Clamp Type Left Holder
轴向压板式左刀座 EB014-014

Axial Clamp Type Reverse Right Holder
轴向压板式反切右刀座 EB015-015

Axial Clamp Type Reverse Left Holder
轴向压板式反切左刀座 EB016-016

Type-C Clamp Multi-set Holder
C型压板式多座刀座 EB017-017

Type-C Clamp Multi-set Reverse Holder
C型压板式多座反切刀座 EB018-018

Side-locking Holder
侧固式刀座 EB019-019

Boring Holder
镗刀座 EB020-021

OZ Collet Holder
OZ夹头式刀座 EB022-022

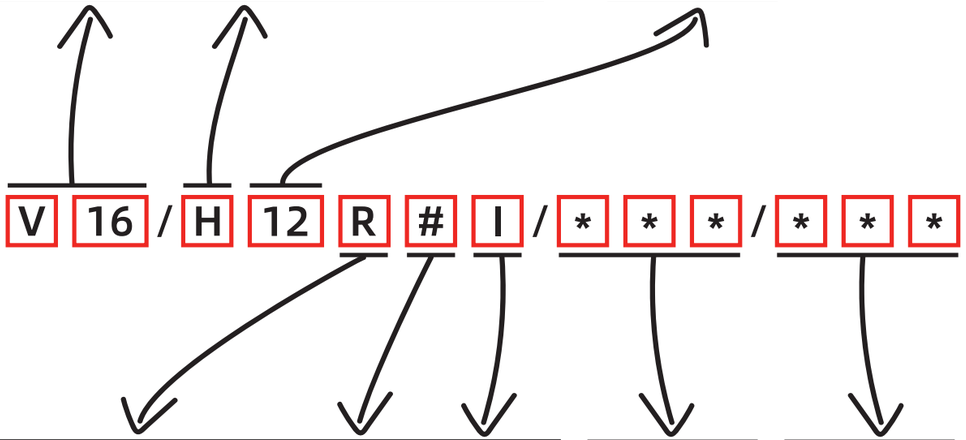
ER Collet Holder
ER夹头式刀座 EB023-023

Morse Holder
莫氏刀座 EB024-024

VDI Protective Cover
VDI 保护套 EB025-025

VDI | VDI刀座命名规则 VDI Holder Nomenclature

机床侧接口标准和夹紧方式 Machine Tool Side Interface Standard And Clamping Mode					装配尺寸 Assembly Dimensions
VDI标准尺寸 VDI standard size		夹紧方式 clamping mode		补充说明 supplementary notes	
VDI16	V16	H	压板式 clamping type		
VDI25	V25	ER	ER筒夹式 ER collet type		
		SLN	侧固式 side-locking type	SLN默认无朝向 SLN no orientation by default	
		MT	莫氏扁尾式 morse type	MT默认无朝向 MT no orientation by default	
		MK	莫氏螺纹式 morse thread type	MK默认无朝向 MK no orientation by default	
		OZ	OZ夹头式 OZ collet type		
		WC	楔形斜压式 wedge-shaped oblique type		

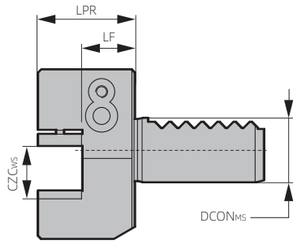


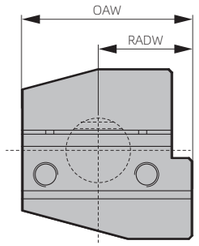
朝向 Towards		轴向夹角 Axial Angle		切向 Tangent		长度 LPR	宽度 OAW
缩写 abbreviations	方向 direction	象限 quadrants	逆时针夹角 counterclockwise angle	正切 tangent	反切 anti-cut		
R/L	右或左 right or left	A	90°写 180°写180		尾标I tail label I		
N	居中位 in the middle						

VDI | 径向压板式右刀座 Radial Clamp Type Right Holder

机床接口标准：DIN69880







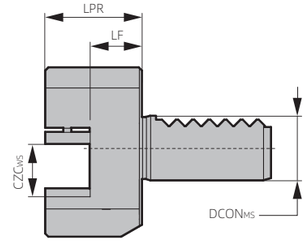
1.单位：mm　　1.Unit：mm

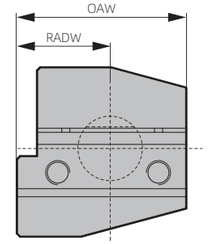
型号 Specification	DCONMS	CZCWS	LPR	LF	OAW	RADW	WT(kg)
V16-H12R90-24-42	16.00	12	24.00	13.00	42.00	23.00	0.42
V16-H12R90-34-42	16.00	12	34.00	23.00	42.00	23.00	0.45
V20-H16/12R90-30-55	20.00	16/12	30.00	16.00	55.00	30.00	0.55
V20-H16/12R90-40-55	20.00	16/12	40.00	26.00	55.00	30.00	0.75
V25-H16/12R90-30-55	25.00	16/12	30.00	16.00	55.00	30.00	0.68
V25-H16/12R90-40-55	25.00	16/12	40.00	26.00	55.00	30.00	0.92
V30-H20/16R90-40-70	30.00	20/16	40.00	22.00	70.00	35.00	1.29
V30-H20/16R90-60-70	30.00	20/16	60.00	42.00	70.00	35.00	1.94
V40-H25/20R90-44-85	40.00	25/20	44.00	22.00	85.00	42.50	2.28
V50-H32/25R90-55-100	50.00	32/25	55.00	30.00	100.00	50.00	3.90
V60-H32/25R90-60-125	60.00	32/25	60.00	30.00	125.00	62.50	6.41
V80-H40/32R90-75-160	80.00	40/32	75.00	40.00	160.00	80.00	13.50

VDI | 径向压板式左刀座 Radial Clamp Type Left Holder

机床接口标准：DIN69880







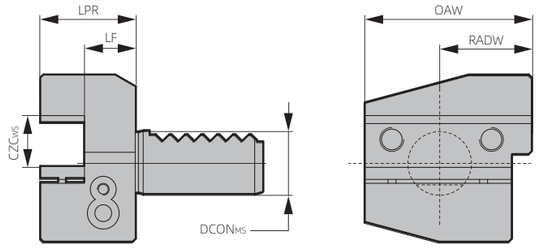
1.单位：mm　　1.Unit：mm

型号 Specification	DCONMS	CZCWS	LPR	LF	OAW	RADW	WT(kg)
V16-H12L90-24-42	16.00	12	24.00	13.00	42.00	23.00	0.42
V16-H12L90-34-42	16.00	12	34.00	23.00	42.00	23.00	0.45
V20-H16/12L90-30-55	20.00	16/12	30.00	16.00	55.00	30.00	0.55
V20-H16/12L90-40-55	20.00	16/12	40.00	26.00	55.00	30.00	0.75
V25-H16/12L90-30-55	25.00	16/12	30.00	16.00	55.00	30.00	0.68
V25-H16/12L90-40-55	25.00	16/12	40.00	26.00	55.00	30.00	0.92
V30-H20/16L90-40-70	30.00	20/16	40.00	22.00	70.00	35.00	1.29
V30-H20/16L90-60-70	30.00	20/16	60.00	42.00	70.00	35.00	2.01
V40-H25/20L90-44-85	40.00	25/20	44.00	22.00	85.00	42.50	2.28
V50-H32/25L90-55-100	50.00	32/25	55.00	30.00	100.00	50.00	3.90
V60-H32/25L90-60-125	60.00	32/25	60.00	30.00	125.00	62.50	6.41
V80-H40/32L90-75-160	80.00	40/32	75.00	40.00	160.00	80.00	13.50

VDI 径向压板式反切右刀座
Radial Clamp Type Reverse Right Holder

机床接口标准：DIN69880





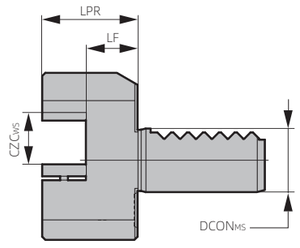
1.单位：mm　　1.Unit：mm

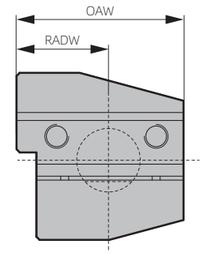
型号 Specification	DCONMS	CZCWS	LPR	LF	OAW	RADW	WT(kg)
V16-H12R90I-24-42	16.00	12	24.00	13.00	42.00	23.00	0.45
V16-H12R90I-34-42	16.00	12	34.00	23.00	42.00	23.00	0.48
V20-H16/12R90I-30-55	20.00	16/12	30.00	16.00	55.00	30.00	0.59
V20-H16/12R90I-40-55	20.00	16/12	40.00	26.00	55.00	30.00	0.78
V25-H16/12R90I-30-55	25.00	16/12	30.00	16.00	55.00	30.00	0.71
V25-H16/12R90I-40-55	25.00	16/12	40.00	26.00	55.00	30.00	0.95
V30-H20/16R90I-40-70	30.00	20/16	40.00	22.00	70.00	35.00	1.33
V30-H20/16R90I-60-70	30.00	20/16	60.00	42.00	70.00	35.00	-
V40-H25/20R90I-44-85	40.00	25/20	44.00	22.00	85.00	42.50	2.34
V50-H32/25R90I-55-100	50.00	32/25	55.00	30.00	100.00	50.00	4.20
V60-H32/25R90I-60-125	60.00	32/25	60.00	30.00	125.00	62.50	7.11
V80-H40/32R90I-75-160	80.00	40/32	75.00	40.00	160.00	80.00	14.00

VDI 径向压板式反切左刀座
Radial Clamp Type Reverse Left Holder

机床接口标准：DIN69880







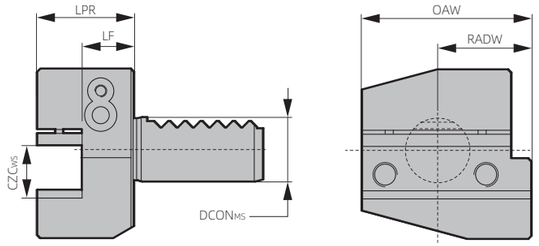
1.单位：mm　　1.Unit：mm

型号 Specification	DCONMS	CZCWS	LPR	LF	OAW	RADW	WT(kg)
V16-H12L90I-24-42	16.00	12	24.00	13.00	42.00	23.00	0.30
V16-H12L90I-34-42	16.00	12	34.00	23.00	42.00	23.00	0.44
V20-H16/12L90I-30-55	20.00	16/12	30.00	16.00	55.00	30.00	0.59
V20-H16/12L90I-40-55	20.00	16/12	40.00	26.00	55.00	30.00	0.78
V25-H16/12L90I-30-55	25.00	16/12	30.00	16.00	55.00	30.00	0.71
V25-H16/12L90I-40-55	25.00	16/12	40.00	26.00	55.00	30.00	0.95
V30-H20/16L90I-40-70	30.00	20/16	40.00	22.00	70.00	35.00	1.45
V30-H20/16L90I-60-70	30.00	20/16	60.00	42.00	70.00	35.00	-
V40-H25/20L90I-44-85	40.00	25/20	44.00	22.00	85.00	42.50	2.51
V50-H32/25L90I-55-100	50.00	32/25	55.00	30.00	100.00	50.00	4.23
V60-H32/25L90I-60-125	60.00	32/25	60.00	30.00	125.00	62.50	7.41
V80-H40/32L90I-75-160	80.00	40/32	75.00	40.00	160.00	80.00	14.00

VDI | 长型径向压板式右刀座 Long Radial Clamp Type Right Holder

机床接口标准：DIN69880





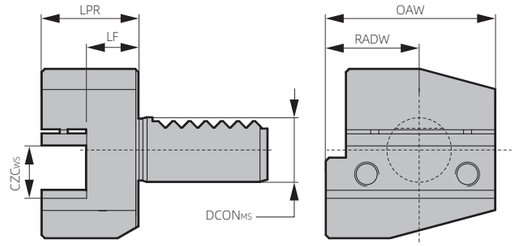
1.单位：mm　　1.Unit：mm

型号 Specification	DCONMS	CZCWS	LPR	LF	OAW	RADW	WT(kg)
V16-H12R90-24-58	16.00	12	24.00	13.00	58.00	39.00	0.40
V16-H12R90-34-58	16.00	12	34.00	23.00	58.00	39.00	0.42
V20-H16/12R90-30-75	20.00	16/12	30.00	16.00	75.00	50.00	0.72
V20-H16/12R90-40-75	20.00	16/12	40.00	26.00	75.00	50.00	1.04
V25-H16/12R90-30-75	25.00	16/12	30.00	16.00	75.00	50.00	0.85
V25-H16/12R90-40-75	25.00	16/12	40.00	26.00	75.00	50.00	1.28
V30-H20/16R90-40-100	30.00	20/16	40.00	22.00	100.00	65.00	1.73
V30-H20/16R90-60-100	30.00	20/16	60.00	42.00	100.00	65.00	-
V40-H25/20R90-44-118	40.00	25/20	44.00	22.00	118.00	75.50	2.88
V50-H32/25R90-55-130	50.00	32/25	55.00	30.00	130.00	80.00	5.00
V60-H32/25R90-60-145	60.00	32/25	60.00	30.00	145.00	82.50	7.14
V80-H40/32R90-75-190	80.00	40/32	75.00	40.00	190.00	110.00	14.00

VDI | 长型径向压板式左刀座 Long Radial Clamp Type Left Holder

机床接口标准：DIN69880





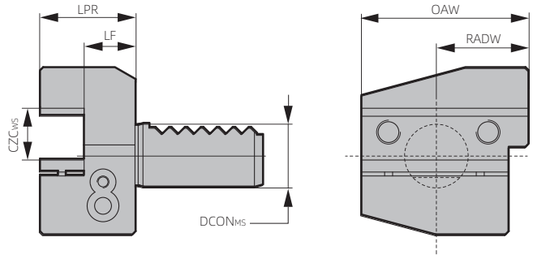
1.单位：mm　　1.Unit：mm

型号 Specification	DCONMS	CZCWS	LPR	LF	OAW	RADW	WT(kg)
V16-H12L90-24-58	16.00	12	24.00	13.00	58.00	39.00	0.40
V16-H12L90-34-58	16.00	12	34.00	23.00	58.00	39.00	0.42
V20-H16/12L90-30-75	20.00	16/12	30.00	16.00	75.00	50.00	0.72
V20-H16/12L90-40-75	20.00	16/12	40.00	26.00	75.00	50.00	1.04
V25-H16/12L90-30-75	25.00	16/12	30.00	16.00	75.00	50.00	0.85
V25-H16/12L90-40-75	25.00	16/12	40.00	26.00	75.00	50.00	1.28
V30-H20/16L90-40-100	30.00	20/16	40.00	22.00	100.00	65.00	1.73
V30-H20/16L90-60-100	30.00	20/16	60.00	42.00	100.00	65.00	-
V40-H25/20L90-44-118	40.00	25/20	44.00	22.00	118.00	75.50	2.88
V50-H32/25L90-55-130	50.00	32/25	55.00	30.00	130.00	80.00	5.00
V60-H32/25L90-60-145	60.00	32/25	60.00	30.00	145.00	82.50	7.14
V80-H40/32L90-75-190	80.00	40/32	75.00	40.00	190.00	110.00	14.00

VDI 长型径向压板式反切右刀座
Long Radial Clamp Type Reverse Right Holder

机床接口标准：DIN69880





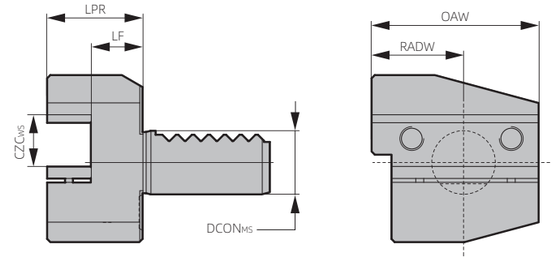
1.单位：mm　　1.Unit：mm

型号 Specification	DCONMS	CZCWS	LPR	LF	OAW	RADW	WT(kg)
V16-H12R90I-24-58	16.00	12	24.00	13.00	58.00	39.00	0.54
V16-H12R90I-34-58	16.00	12	34.00	23.00	58.00	39.00	0.60
V20-H16/12R90I-30-75	20.00	16/12	30.00	16.00	75.00	50.00	0.80
V20-H16/12R90I-40-75	20.00	16/12	40.00	26.00	75.00	50.00	1.20
V25-H16/12R90I-30-75	25.00	16/12	30.00	16.00	75.00	50.00	0.94
V25-H16/12R90I-40-75	25.00	16/12	40.00	26.00	75.00	50.00	1.41
V30-H20/16R90I-40-100	30.00	20/16	40.00	22.00	100.00	65.00	1.84
V30-H20/16R90I-60-100	30.00	20/16	60.00	42.00	100.00	65.00	-
V40-H25/20R90I-44-118	40.00	25/20	44.00	22.00	118.00	75.50	3.16
V50-H32/25R90I-55-130	50.00	32/25	55.00	30.00	130.00	80.00	5.32
V60-H32/25R90I-60-145	60.00	32/25	60.00	30.00	145.00	82.50	7.50
V80-H40/32R90I-75-190	80.00	40/32	75.00	40.00	190.00	110.00	14.50

VDI 长型径向压板式反切左刀座
Long Radial Clamp Type Reverse Left Holder

机床接口标准：DIN69880





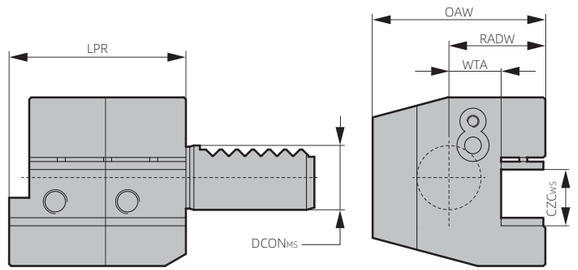
1.单位：mm　　1.Unit：mm

型号 Specification	DCONMS	CZCWS	LPR	LF	OAW	RADW	WT(kg)
V16-H12L90I-24-58	16.00	12	24.00	13.00	58.00	39.00	0.51
V16-H12L90I-34-58	16.00	12	34.00	23.00	58.00	39.00	0.63
V20-H16/12L90I-30-75	20.00	16/12	30.00	16.00	75.00	50.00	0.80
V20-H16/12L90I-40-75	20.00	16/12	40.00	26.00	75.00	50.00	1.20
V25-H16/12L90I-30-75	25.00	16/12	30.00	16.00	75.00	50.00	0.94
V25-H16/12L90I-40-75	25.00	16/12	40.00	26.00	75.00	50.00	1.41
V30-H20/16L90I-40-100	30.00	20/16	40.00	22.00	100.00	65.00	1.84
V30-H20/16L90I-60-100	30.00	20/16	60.00	42.00	100.00	65.00	-
V40-H25/20L90I-44-118	40.00	25/20	44.00	22.00	118.00	75.50	3.16
V50-H32/25L90I-55-130	50.00	32/25	55.00	30.00	130.00	80.00	5.32
V60-H32/25L90I-60-145	60.00	32/25	60.00	30.00	145.00	82.50	7.50
V80-H40/32L90I-75-190	80.00	40/32	75.00	40.00	190.00	110.00	14.50

VDI 轴向压板式右刀座 Axial Clamp Type Right Holder

机床接口标准：DIN69880





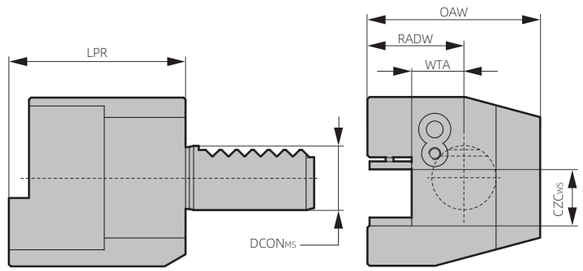
1.单位：mm　　1.Unit：mm

型号 Specification	DCONMS	CZCWS	LPR	OAW	RADW	WTA	WT(kg)
V16-H12R180-44-43	16.00	12	44.00	43.00	24.00	13.00	0.73
V20-H16/12R180-50-65	20.00	16/12	50.00	65.00	40.00	26.00	1.00
V20-H16/12R180-55-52	20.00	16/12	55.00	52.00	27.00	13.00	0.88
V25-H16/12R180-55-58	25.00	16/12	55.00	58.00	33.00	19.00	0.91
V30-H20/16R180-70-70	30.00	20/16	70.00	70.00	35.00	17.00	1.79
V40-H25/20R180-85-85	40.00	25/20	85.00	85.00	42.50	21.00	3.12
V50-H32/25R180-100-100	50.00	32/25	100.00	100.00	50.00	26.00	5.37
V60-H32/25R180-125-125	60.00	32/25	125.00	125.00	62.50	33.00	9.15
V80-H40/32R180-160-160	80.00	40/32	160.00	160.00	80.00	42.00	19.00

VDI 轴向压板式左刀座 Axial Clamp Type Left Holder

机床接口标准：DIN69880





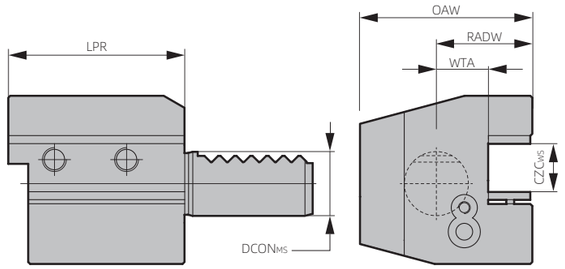
1.单位：mm　　1.Unit：mm

型号 Specification	DCONMS	CZCWS	LPR	OAW	RADW	WTA	WT(kg)
V16-H12L180-44-43	16.00	12	44.00	43.00	24.00	13.00	0.70
V20-H16/12L180-50-65	20.00	16/12	50.00	65.00	40.00	26.00	1.12
V20-H16/12L180-55-52	20.00	16/12	55.00	52.00	27.00	13.00	1.00
V25-H16/12L180-55-58	25.00	16/12	55.00	58.00	33.00	19.00	0.87
V30-H20/16L180-70-76	30.00	20/16	70.00	76.00	41.00	23.00	1.97
V40-H25/20L180-85-90	40.00	25/20	85.00	90.00	47.50	25.50	3.42
V50-H32/25L180-100-105	50.00	32/25	100.00	105.00	55.00	30.50	5.73
V60-H32/25L180-125-125	60.00	32/25	125.00	125.00	62.50	33.00	9.15
V80-H40/32L180-160-160	80.00	40/32	160.00	160.00	78.00	42.00	19.00

VDI 轴向压板式反切右刀座 Axial Clamp Type Reverse Right Holder

机床接口标准：DIN69880





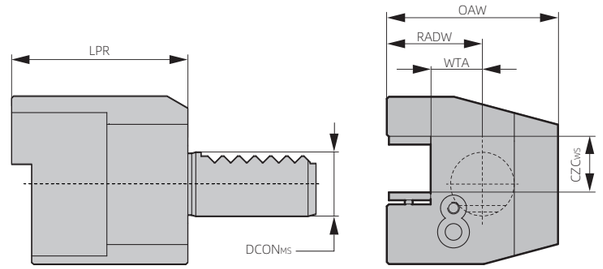
1.单位：mm　　1.Unit：mm

型号 Specification	DCONMS	CZCWS	LPR	OAW	RADW	WTA	WT(kg)
V16-H12R180I-44-43	16.00	12	44.00	43.00	24.00	13.00	0.78
V20-H16/12R180I-50-65	20.00	16/12	50.00	65.00	40.00	26.00	1.20
V20-H16/12R180I-55-52	20.00	16/12	55.00	52.00	27.00	13.00	1.00
V25-H16/12R180I-55-58	25.00	16/12	55.00	58.00	33.00	19.00	1.04
V30-H20/16R180I-70-70	30.00	20/16	70.00	70.00	35.00	17.00	2.12
V40-H25/20R180I-85-85	40.00	25/20	85.00	85.00	42.50	21.00	3.68
V50-H32/25R180I-100-100	50.00	32/25	100.00	100.00	50.00	26.00	6.20
V60-H32/25R180I-125-125	60.00	32/25	125.00	125.00	62.50	33.00	10.00
V80-H40/32R180I-160-160	80.00	40/32	160.00	160.00	80.00	42.00	20.50

VDI 轴向压板式反切左刀座 Axial Clamp Type Reverse Left Holder

机床接口标准：DIN69880





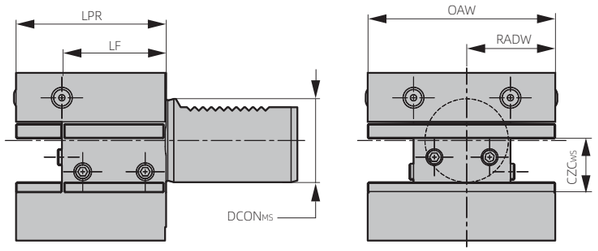
1.单位：mm　　1.Unit：mm

型号 Specification	DCONMS	CZCWS	LPR	OAW	RADW	WTA	WT(kg)
V16-H12L180I-44-43	16.00	12	44.00	43.00	24.00	13.00	0.78
V20-H16/12L180I-50-65	20.00	16/12	50.00	65.00	40.00	26.00	1.00
V20-H16/12L180I-55-52	20.00	16/12	55.00	52.00	27.00	13.00	1.20
V25-H16/12L180I-55-58	25.00	16/12	55.00	58.00	33.00	19.00	1.04
V30-H20/16L180I-70-76	30.00	20/16	70.00	76.00	41.00	23.00	2.12
V40-H25/20L180I-85-90	40.00	25/20	85.00	90.00	47.50	25.50	3.68
V50-H32/25L180I-100-105	50.00	32/25	100.00	105.00	55.00	30.50	6.20
V60-H32/25L180I-125-125	60.00	32/25	125.00	125.00	62.50	33.00	10.00
V80-H40/32L180I-160-160	80.00	40/32	160.00	160.00	78.00	42.00	20.50

VDI | C型压板式多座刀座
Type-C Clamp Multi-set Holder

机床接口标准：DIN69880





1.单位：mm
2.端面出水

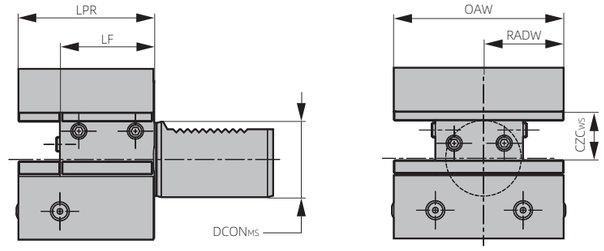
1.Unit：mm
2.Flange Coolant.

型号 Specification	DCONMS	CZCWS	LPR	LF	OAW	RADW	WT(kg)
V25-CH16/12-48-66	25.00	16/12	48.00	34.00	66.00	33.00	1.28
V30-CH20/16-60-76	30.00	20/16	60.00	42.00	76.00	38.00	1.73
V40-CH25/20-72-90	40.00	25/20	72.00	50.00	90.00	45.00	2.30
V50-CH32/25-85-105	50.00	32/25	85.00	60.00	105.00	52.50	5.40
V60-CH32/25-110-115	60.00	32/25	110.00	85.00	115.00	57.50	7.20
V80-CH40/32-140-152	80.00	40/32	140.00	105.00	152.00	76.00	14.30

VDI | C型压板式多座反切刀座
Type-C Clamp Multi-set Reverse Holder

机床接口标准：DIN69880





1.单位：mm
2.端面出水

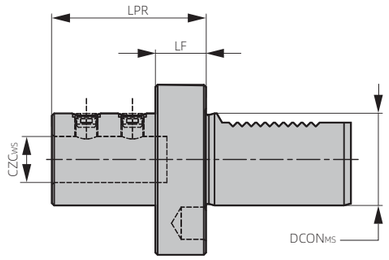
1.Unit：mm
2.Flange Coolant.

型号 Specification	DCONMS	CZCWS	LPR	LF	OAW	RADW	WT(kg)
V25-CH16/12I-48-66	25.00	16/12	48.00	34.00	66.00	33.00	1.28
V30-CH20/16I-60-76	30.00	20/16	60.00	42.00	76.00	38.00	1.282
V40-CH25/20I-72-90	40.00	25/20	72.00	50.00	90.00	45.00	2.50
V50-CH32/25I-85-105	50.00	32/25	85.00	60.00	105.00	52.50	6.00
V60-CH32/25I-110-115	60.00	32/25	110.00	85.00	115.00	57.50	8.10
V80-CH40/32I-140-152	80.00	40/32	140.00	105.00	152.00	76.00	16.30

VDI | 侧固式刀座 Side-locking Holder

机床接口标准：DIN69880





1.单位：mm
2.端面出水

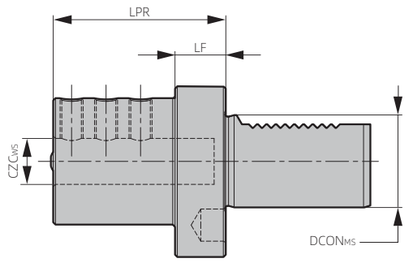
1.Unit：mm
2.Flange Coolant.

型号 Specification	DCONMS	CZCWS	LF	LPR	WT(kg)
V20-SLN16-67	20.00	16.00	18.00	67.00	0.78
V20-SLN20-67	20.00	20.00	18.00	67.00	0.74
V20-SLN25-71	20.00	25.00	18.00	71.00	0.82
V25-SLN16-67	25.00	16.00	18.00	67.00	-
V25-SLN20-67	25.00	20.00	18.00	67.00	-
V25-SLN25-71	25.00	25.00	18.00	71.00	1.08
V25-SLN32-75	25.00	32.00	18.00	75.00	-
V30-SLN16-67	30.00	16.00	22.00	67.00	1.90
V30-SLN20-67	30.00	20.00	22.00	67.00	1.17
V30-SLN25-71	30.00	25.00	22.00	71.00	1.26
V30-SLN32-75	30.00	32.00	22.00	75.00	1.35
V30-SLN40-90	30.00	40.00	22.00	90.00	1.72
V40-SLN16-67	40.00	16.00	22.00	67.00	1.43
V40-SLN20-67	40.00	20.00	22.00	67.00	1.75
V40-SLN25-75	40.00	25.00	22.00	75.00	1.88
V40-SLN32-75	40.00	32.00	22.00	75.00	1.95
V40-SLN40-90	40.00	40.00	22.00	90.00	2.15
V40-SLN50-100	40.00	50.00	22.00	100.00	-
V50-SLN16-67	50.00	16.00	30.00	67.00	-
V50-SLN20-67	50.00	20.00	30.00	67.00	2.90
V50-SLN25-80	50.00	25.00	30.00	80.00	3.00
V50-SLN32-80	50.00	32.00	30.00	80.00	3.03
V50-SLN40-90	50.00	40.00	30.00	90.00	3.21
V50-SLN50-100	50.00	50.00	30.00	100.00	3.35
V60-SLN16-80	60.00	16.00	30.00	80.00	-
V60-SLN20-80	60.00	20.00	30.00	80.00	4.70
V60-SLN25-80	60.00	25.00	30.00	80.00	4.76
V60-SLN32-80	60.00	32.00	30.00	80.00	4.82
V60-SLN40-90	60.00	40.00	30.00	90.00	5.07
V60-SLN50-100	60.00	50.00	30.00	100.00	5.12
V80-SLN20-80	80.00	20.00	30.00	80.00	7.9
V80-SLN25-80	80.00	25.00	30.00	80.00	8.66
V80-SLN32-80	80.00	32.00	30.00	80.00	8.70
V80-SLN40-90	80.00	40.00	30.00	90.00	10.28
V80-SLN50-100	80.00	50.00	30.00	100.00	9.10

VDI | 镗刀座 Boring Holder

机床接口标准：DIN69880





1.单位：mm
2.端面出水

1.Unit：mm
2.Flange Coolant.

型号 Specification	DCONMS	CZCWS	LF	LPR	WT(kg)
V16-SCB6-44	16.00	6.00	13.00	44.00	0.46
V16-SCB8-44	16.00	8.00	13.00	44.00	0.41
V16-SCB10-44	16.00	10.00	13.00	44.00	0.42
V16-SCB12-44	16.00	12.00	13.00	44.00	0.43
V16-SCB16-44	16.00	16.00	13.00	44.00	0.47
V20-SCB6-50	20.00	6.00	18.00	50.00	-
V20-SCB8-50	20.00	8.00	18.00	50.00	0.58
V20-SCB10-50	20.00	10.00	18.00	50.00	0.63
V20-SCB12-50	20.00	12.00	18.00	50.00	0.62
V20-SCB16-50	20.00	16.00	18.00	50.00	0.59
V20-SCB20-50	20.00	20.00	18.00	50.00	0.73
V20-SCB25-60	20.00	25.00	18.00	60.00	0.78
V25-SCB8-50	25.00	8.00	18.00	50.00	0.92
V25-SCB10-50	25.00	10.00	18.00	50.00	0.97
V25-SCB12-50	25.00	12.00	18.00	50.00	0.96
V25-SCB16-50	25.00	16.00	18.00	50.00	0.93
V25-SCB20-50	25.00	20.00	18.00	50.00	1.07
V25-SCB25-60	25.00	25.00	18.00	60.00	1.12
V25-SCB32-75	25.00	32.00	18.00	75.00	-
V30-SCB6-60	30.00	6.00	22.00	60.00	-
V30-SCB8-60	30.00	8.00	22.00	60.00	1.46
V30-SCB10-60	30.00	10.00	22.00	60.00	1.44
V30-SCB12-60	30.00	12.00	22.00	60.00	1.45
V30-SCB16-60	30.00	16.00	22.00	60.00	1.39
V30-SCB20-60	30.00	20.00	22.00	60.00	1.36
V30-SCB25-60	30.00	25.00	22.00	60.00	1.33
V30-SCB30-75	30.00	30.00	22.00	75.00	1.78
V30-SCB32-75	30.00	32.00	22.00	75.00	1.88
V40-SCB8-75	40.00	8.00	22.00	75.00	2.32
V40-SCB10-75	40.00	10.00	22.00	75.00	2.31
V40-SCB12-75	40.00	12.00	22.00	75.00	2.3
V40-SCB16-75	40.00	16.00	22.00	75.00	2.26
V40-SCB20-75	40.00	20.00	22.00	75.00	2.13
V40-SCB25-75	40.00	25.00	22.00	75.00	2
V40-SCB30-75	40.00	30.00	22.00	75.00	-
V40-SCB32-75	40.00	32.00	22.00	75.00	2.95
V40-SCB40-90	40.00	40.00	22.00	90.00	3.15
V50-SCB12-90	50.00	12.00	30.00	90.00	4
V50-SCB16-90	50.00	16.00	30.00	90.00	3.94
V50-SCB20-90	50.00	20.00	30.00	90.00	3.87
V50-SCB25-90	50.00	25.00	30.00	90.00	3.79
V50-SCB30-90	50.00	30.00	30.00	90.00	-

VDI | 镗刀座 Boring Holder

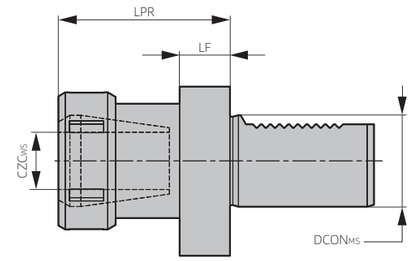
机床接口标准：DIN69880

型号 Specification	DCONMS	CZCWS	LF	LPR	WT(kg)
V50-SCB32-90	50.00	32.00	30.00	90.00	3.58
V50-SCB40-90	50.00	40.00	30.00	90.00	4.79
V50-SCB50-100	50.00	50.00	30.00	100.00	5.00
V60-SCB16-90	60.00	16.00	30.00	90.00	5.63
V60-SCB20-90	60.00	20.00	30.00	90.00	5.56
V60-SCB25-90	60.00	25.00	30.00	90.00	5.46
V60-SCB30-90	60.00	30.00	30.00	90.00	-
V60-SCB32-90	60.00	32.00	30.00	90.00	5.27
V60-SCB40-90	60.00	40.00	30.00	90.00	7.31
V60-SCB50-100	60.00	50.00	30.00	100.00	6.67
V80-SCB20-100	80.00	20.00	30.00	100.00	10.10
V80-SCB25-100	80.00	25.00	30.00	100.00	9.95
V80-SCB32-100	80.00	32.00	30.00	100.00	9.75
V80-SCB40-100	80.00	40.00	30.00	100.00	11.65
V80-SCB50-100	80.00	50.00	30.00	100.00	11.10
V80-SCB60-100	80.00	60.00	30.00	100.00	-

VDI | OZ夹头式刀座 OZ Collet Holder

机床接口标准：DIN69880





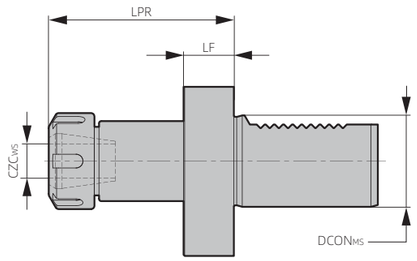
1.单位：mm　　1.Unit：mm

型号 Specification	DCONMS	CZCWS	LF	LPR	WT(kg)
V16-OZ16-42	16	OZ16	13	42	0.43
V20-OZ16-42	20	OZ16	18	42	0.51
V20-OZ20-46	20	OZ20	18	46	0.68
V25-OZ16-42	25	OZ16	18	42	0.98
V25-OZ20-46	25	OZ20	18	46	1.18
V30-OZ16-42	30	OZ16	22	42	1.25
V30-OZ20-62	30	OZ20	22	62	-
V30-OZ25-59	30	OZ25	22	59	1.32
V30-OZ32-73	30	OZ32	22	73	-
V40-OZ16-57	40	OZ16	22	57	-
V40-OZ20-62	40	OZ20	22	62	-
V40-OZ25-59	40	OZ25	22	59	1.82
V40-OZ32-73	40	OZ32	22	73	2.24
V50-OZ20-70	50	OZ20	30	70	-
V50-OZ25-65	50	OZ25	30	65	2.78
V50-OZ32-73	50	OZ32	30	73	3.35
V60-OZ25-75	60	OZ25	30	75	-
V60-OZ32-73	60	OZ32	30	73	5.00
V80-OZ25-85	80	OZ25	40	85	-
V80-OZ32-95	80	OZ32	40	95	-

VDI | ER夹头式刀座 ER Collet Holder

机床接口标准：DIN69880





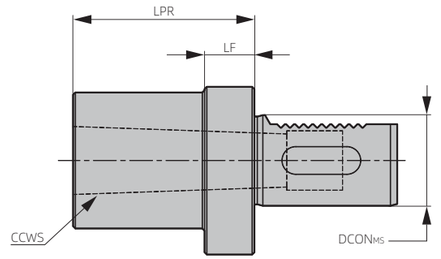
1.单位：mm　　1.Unit：mm

型号 Specification	DCONMS	CZCWS	LF	LPR	WT(kg)
V16-ER16-44	16.00	ER16	13.00	44.00	0.26
V16-ER20-32.5	16.00	ER20	13.00	32.50	0.31
V20-ER16-35	20.00	ER16	18.00	35.00	-
V20-ER20-50	20.00	ER20	18.00	50.00	-
V20-ER25-38	20.00	ER25	18.00	38.00	0.48
V20-ER32-49.5	20.00	ER32	18.00	49.50	0.58
V25-ER16-44	25.00	ER16	18.00	44.00	-
V25-ER25-45	25.00	ER25	18.00	45.00	0.67
V25-ER32-49.5	25.00	ER32	18.00	49.50	0.79
V30-ER16-48	30.00	ER16	22.00	48.00	-
V30-ER20-59	30.00	ER20	22.00	59.00	-
V30-ER25-45	30.00	ER25	22.00	45.00	1.07
V30-ER32-49.5	30.00	ER32	22.00	49.50	1.22
V30-ER40-56	30.00	ER40	22.00	56.00	-
V40-ER20-59	40.00	ER20	22.00	59.00	-
V40-ER25-45	40.00	ER25	22.00	45.00	1.65
V40-ER32-49.5	40.00	ER32	22.00	49.50	1.79
V40-ER40-61	40.00	ER40	22.00	61.00	1.78
V50-ER25-53	50.00	ER25	30.00	53.00	-
V50-ER32-61	50.00	ER32	30.00	61.00	-
V50-ER40-61	50.00	ER40	30.00	61.00	2.90
V60-ER32-61	60.00	ER32	30.00	61.00	-
V60-ER40-61	60.00	ER40	30.00	61.00	4.56
V80-ER40-75	80.00	ER40	40.00	75.00	-

VDI | 莫氏刀座 Morse Holder

机床接口标准：DIN69880





1.单位：mm　　1.Unit：mm

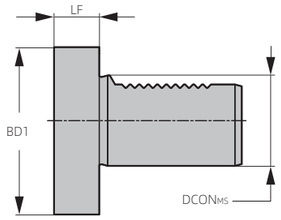
型号 Specification	DCONMS	CCWS	LF	LPR	WT(kg)
V30-MT1-27	30.00	MT.1	-	27.00	0.94
V30-MT2-27	30.00	MT.2	-	27.00	0.87
V30-MT3-50	30.00	MT.3	-	50.00	1.34
V40-MT1-36	40.00	MT.1	22.00	36.00	-
V40-MT2-36	40.00	MT.2	22.00	36.00	1.51
V40-MT3-36	40.00	MT.3	22.00	36.00	1.47
V40-MT4-50	40.00	MT.4	22.00	50.00	2.40
V50-MT2-36	50.00	MT.2	30.00	36.00	2.61
V50-MT3-36	50.00	MT.3	30.00	36.00	2.45
V50-MT4-50	50.00	MT.4	30.00	50.00	2.60
V50-MT5-72	50.00	MT.5	30.00	72.00	2.50
V60-MT2-36	60.00	MT.2	30.00	36.00	-
V60-MT3-36	60.00	MT.3	30.00	36.00	4.21
V60-MT4-50	60.00	MT.4	30.00	50.00	4.26
V60-MT5-63	60.00	MT.5	30.00	63.00	4.75

VDI

VDI 保护套
VDI Protective Cover

机床接口标准：DIN69880





1.单位：mm
2.SP：钢制；PP：塑料材质

1.Unit：mm
2.SP: Steel；PP: Plastic material

型号 Specification	DCONMS	BD1	LF	WT(kg)
SP16-13	16.00	40.00	13.00	0.26
SP20-16	20.00	50.00	16.00	0.32
SP25-16	25.00	58.00	16.00	0.54
SP30-16	30.00	68.00	16.00	0.69
SP40-20	40.00	83.00	20.00	1.20
SP50-20	50.00	98.00	20.00	2.19
SP60-20	60.00	123.00	20.00	3.62

型号 Specification	DCONMS	BD1	LF	WT(kg)
PP16-13	16.00	40.00	13.00	-
PP20-16	20.00	50.00	16.00	-
PP25-16	25.00	58.00	16.00	-
PP30-16	30.00	68.00	16.00	-
PP40-20	40.00	83.00	20.00	-
PP50-20	50.00	98.00	20.00	-
PP60-20	60.00	123.00	20.00	-

刀具夹持 Tool Clamping

EC

PSC HOLDERS
PSC刀柄

Nomenclature
命名规则 **EC003-003**

EHP Hydraulic Chuck
EHP 液压刀柄 **EC005-005**

SF Shrink Fit Holder
SF热胀刀柄 **EC006-006**

ER Collet Holder
ER筒夹刀柄 **EC007-007**

SLN Side-lock Holder
SLN侧固刀柄 **EC008-008**

HPC Power Chuck
HPC强力刀柄 **EC009-009**

FM Face Mill Holder
FM面铣刀柄 **EC010-010**

FM Face Mill Taper Holder
FM面铣锥度刀柄 **EC011-011**

P-P Equal Diameter Extension Rod
PSC-PSC等径延长杆 **EC012-012**

P-P Variable Diameter Extension Rod
PSC-PSC变径延长杆 **EC013-013**

P-P Taper Reducing Extension Rod
PSC-PSC锥度变径延长杆 **EC014-014**

命名规则
Naming rules

机床侧接口标识 Machine Tool Side Interface Identification	
C	ISO 26623-1
BT	JIS 6339-2(JD)
HSK-A	DIN69893-1
SK	DIN69871(AD)
CAT	ANSI B5.50

标称尺寸 Nominal Size
**

工件侧接口标识 Interface Identification On The Workpiece Side			
SF	DIN 1835-A（h6）	FMC	ISO 6462 C
EHP	DIN 1835-A（h6）	MTA	GB/T 1443-1
ER	DIN6499	CF	PSC径向锁紧 PSC Radial locking
SLN	DIN1835-B	C	PSC后拉锁紧 PSC Rear pull locking
HPC	DIN 1835-A（h6）		
FMA	ISO 6462 A		
FMB	ISO 6462 B		

C - 40 - SF - 6 - 75 - *** - ***

夹持口径 Clamping Caliber
**

长度 Length
**

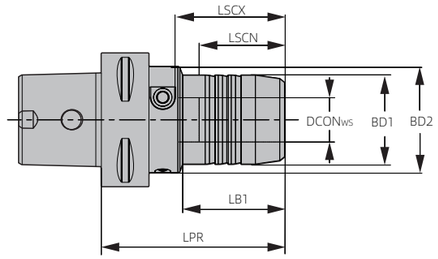
结构特征 Structure Characteristics	
C	内冷 Internal Cooling
R	锥度 Taper
T	阻尼减振 Vibration Damping
M	端面冷却 End Face Cooling
Q	精准冷却 Precise Cooling
F	台阶 Steps
缺省 Default	

非标编号 Non Standard Number

PSC | EHP 液压刀柄
EHP Hydraulic Chuck

主轴接口标准：ISO 26623-1





1.EHP刀具系列用途高转速、高精密切削加工，切削效果佳
2.动平衡设定: G2.5；20,000 rpm
3.3D处径向跳动≤0.003 mm
4.被夹持柄标准:刀具柄的直径公差必须达到h6
注意：必须满足最小夹持深度LSCN，且注意止动调节螺钉应当有效支撑刀具。

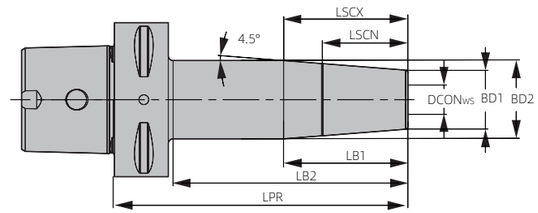
1.For high-speed and high precision cutting.
2.Balanced: G2.5; 20,000 rpm.
3.Runout (X3D): ≤0.003 mm.
4. Standard for clamped shanks: the diameter tolerance of tool shanks must be up to H6.
Note: the minimum clamping depth LSCN must be met, and note that the stop adjusting screw should effectively support the tool.

型号 Specification	DCONMS	DCONWS	BD1	BD2	LPR	LSCX	LSCN	LB1	轴向调节螺钉 Axial Adjustment Screw	WT(kg)
C40-EHP6-65	40	6	26	50	65	37	26	45	EDST0C	0.80
C40-EHP8-65	40	8	28	50	65	37	26	45	EDST0D	0.75
C40-EHP10-75	40	10	30	50	75	41	30	55	EDST0E	0.75
C40-EHP12-85	40	12	32	50	85	46	36	65	EDST0E	0.85
C40-EHP16-85	40	16	38	50	85	49	40	65	EDST0E	0.82
C40-EHP20-90	50	20	42	50	90	51	40	70	EDST0E	0.90
C50-EHP6-65	50	6	26	50	65	37	26	-	EDST0C	0.80
C50-EHP8-65	50	8	28	50	65	37	26	-	EDST0D	0.80
C50-EHP10-70	50	10	30	50	70	41	30	-	EDST0E	0.85
C50-EHP12-80	50	12	32	50	80	46	36	-	EDST0E	1.00
C50-EHP16-80	50	16	38	50	80	49	40	-	EDST0E	0.95
C50-EHP20-80	50	20	42	50	80	51	40	-	EDST0E	0.95
C50-EHP25-100	50	25	57	63	100	57	48.5	80	EDST0F	1.40
C63-EHP6-70	63	6	26	50	70	37	26	48	EDST0C	1.30
C63-EHP8-70	63	8	28	50	70	37	26	48	EDST0D	1.30
C63-EHP10-75	63	10	30	50	75	41	30	53	EDST0E	1.40
C63-EHP12-85	63	12	32	50	85	46	36	63	EDST0E	1.50
C63-EHP16-85	63	16	38	50	85	49	40	63	EDST0E	1.40
C63-EHP20-100	63	20	42	50	100	51	40	63	EDST0E	1.75
C63-EHP25-100	63	25	57	63	100	57	48.5	-	EDST0F	2.00
C63-EHP32-105	63	32	64	75	105	61	53	83	EDST0F	3.20
C80-EHP12-95	80	12	32	50	95	46	36	63	EDST0E	2.40
C80-EHP20-95	80	20	42	50	95	51	40	63	EDST0E	2.40
C80-EHP32-115	80	32	64	75	115	61	53	82	EDST0F	4.70

筒夹Collet → EO003

PSC | SF 热胀刀柄
SF Shrink Fit Holder





1.动平衡设定: G2.5；25,000 rpm
2.3D处径向跳动≤0.003 mm
3.被夹持柄标准:刀具柄的直径公差必须达到h6
注意：不适合用于高速钢及其他钢材料的柄的夹持。

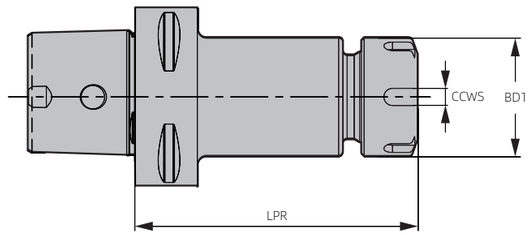
1.Balanced: G2.5; 25,000 rpm.
2.Runout (X3D): ≤0.003 mm.
3.Standard for clamped shanks: the diameter tolerance of tool shanks must be up to H6.
Note: not suitable for HSS high speed steel and other steel materials.

型号 Specification	DCONMS	DCONWS	BD1	BD2	LPR	LSCX	LSCN	LB1	LB2	轴向调节螺钉 Axial Adjustment Screw	WT(kg)
C40-SF6-75	40	6	21	27	75	36	26	38.1	55	ECST2n	0.43
C40-SF8-75	40	8	21	27	75	36	26	38.1	55	ECST2o	0.45
C40-SF10-75	40	10	24	32	75	42	32	50.8	55	ECST2p	0.52
C40-SF12-75	40	12	24	32	75	47	37	50.8	55	ECST2p	0.50
C40-SF14-80	40	14	27	34	80	47	37	44.4	60	ECST2p	0.58
C40-SF16-80	40	16	27	34	80	50	40	44.4	60	ECST2q	0.56
C50-SF6-75	50	6	21	27	75	36	26	38.1	55	ECST2n	0.64
C50-SF8-75	50	8	21	27	75	36	26	38.1	55	ECST2o	0.63
C50-SF10-75	50	10	24	32	75	42	32	50.8	55	ECST2p	0.70
C50-SF12-75	50	12	24	32	75	47	37	50.8	55	ECST2p	0.68
C50-SF14-80	50	14	27	34	80	47	37	44.4	60	ECST2p	0.76
C50-SF16-80	50	16	27	34	80	50	40	44.4	60	ECST2q	0.73
C50-SF18-80	50	18	33	42	80	50	40	57.1	60	ECST2q	0.90
C50-SF20-85	50	20	33	42	85	52	42	57.1	65	ECST2q	0.90
C63-SF6-80	63	6	21	27	80	36	26	38.1	58	ECST2n	0.99
C63-SF8-80	63	8	21	27	80	36	26	38.1	58	ECST2o	0.99
C63-SF10-80	63	10	24	32	80	42	32	50.8	58	ECST2p	1.05
C63-SF12-80	63	12	24	32	80	47	37	50.8	58	ECST2p	1.05
C63-SF14-85	63	14	27	34	85	47	37	44.4	63	ECST2p	1.11
C63-SF16-85	63	16	27	34	85	50	40	44.4	63	ECST2q	1.10
C63-SF18-85	63	18	33	42	85	50	40	57.1	63	ECST2q	1.27
C63-SF20-85	63	20	33	42	85	52	42	57.1	63	ECST2r	1.24
C63-SF25-90	63	25	44	53	90	58	48	57.1	68	ECST2r	1.60
C63-SF32-95	63	32	44	53	95	58	48	57.1	73	ECST2r	1.51
C80-SF10-90	80	10	24	32	90	42	32	50.8	60	ECST2p	2.07
C80-SF12-90	80	12	24	32	90	47	37	50.8	60	ECST2p	2.06
C80-SF16-95	80	16	27	34	95	47	37	44.4	65	ECST2q	2.09
C80-SF20-95	80	20	33	42	95	52	42	57.1	65	ECST2r	2.21
C80-SF25-100	80	25	44	53	100	58	48	57.1	70	ECST2r	2.58
C100-SF12-95	100	12	24	32	95	47	37	50.8	59	ECST2p	3.65
C100-SF16-100	100	16	27	34	100	50	40	44.4	64	ECST2q	3.72
C100-SF20-100	100	20	33	42	100	52	42	57.1	64	ECST2r	3.83
C100-SF25-110	100	25	44	53	110	58	48	57.1	74	ECST2r	4.31

PSC | ER筒夹刀柄 ER Collet Holder

主轴接口标准：ISO 26623-1





注意：使用时夹头必须先装入螺帽,再装入刀具,然后锁紧刀柄。

Note: The holder must be loaded into the nut, then into the tool, and then locked holder.

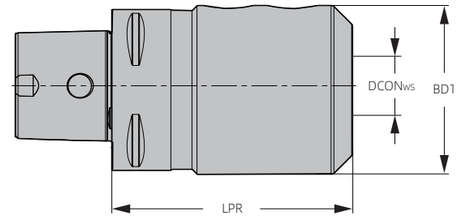
型号 Specification	CCWS	BD1	LPR	螺帽 Nut	轴向调节螺钉 Axial Adjustment Screw	适用筒夹 Suit Collet	WT(kg)
C32-ER16-45	17	28	45	CNA-ER16	-	ER16	0.20
C32-ER20-45	21	34	45	CNA-ER20	-	ER20	0.22
C40-ER20-52	21	34	52	CNA-ER20	-	ER20	0.37
C40-ER25-52	26	42	52	CNU-M/RD-ER25	-	ER25	0.42
C40-ER32-54	33	50	54	CNU-M/RD-ER32	-	ER32	0.46
C50-ER20-55	21	34	55	CNA-ER20	-	ER20	0.62
C50-ER25-55	26	42	55	CNU-M/RD-ER25	-	ER25	0.63
C50-ER32-57	33	50	57	CNU-M/RD-ER32	-	ER32	0.68
C50-ER32-100	33	50	100	CNU-M/RD-ER32	ECST1z	ER32	1.28
C63-ER25-60	26	42	60	CNU-M/RD-ER25	-	ER25	1.04
C63-ER25-100	26	42	100	CNU-M/RD-ER25	ECST20	ER25	1.44
C63-ER32-60	33	50	60	CNU-M/RD-ER32	-	ER32	1.06
C63-ER32-100	33	50	100	CNU-M/RD-ER32	ECST1z	ER32	1.60
C63-ER40-65	41	63	65	CNU-M/RD-ER40	-	ER40	1.22
C63-ER40-130	41	63	130	CNU-M/RD-ER40	ECST21	ER40	2.77
C80-ER20-65	21	34	65	CNA-ER20	ECST22	ER20	2.02
C80-ER25-70	26	42	70	CNU-M/RD-ER25	ECST20	ER25	2.13
C80-ER32-70	33	50	70	CNU-M/RD-ER32	ECST1z	ER32	2.19
C80-ER40-70	41	63	70	CNU-M/RD-ER40	-	ER40	2.45

筒夹Collet → EO007-009
附件Accessories → EZ004

PSC | SLN侧固式刀柄 SLN Side-lock Holder

主轴接口标准：ISO 26623-1



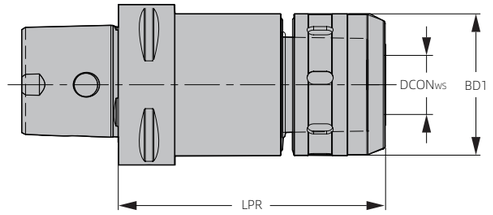


型号 Specification	DCONws	BD1	LPR	螺钉 screw	扳手 Wrench	WT(kg)
C40-SLN16-55	16	48	55	ECST1v	L060	0.70
C50-SLN16-60	16	48	60	ECST1v	L060	1.00
C50-SLN20-60	20	50	60	ECST09	L080	1.00
C50-SLN25-80	25	60	80	ECST0A	L080	1.68
C63-SLN16-65	16	48	65	ECST1v	L060	1.36
C63-SLN20-65	20	50	65	ECST09	L080	1.40
C63-SLN25-80	25	60	80	ECST0A	L080	2.00
C63-SLN32-90	32	68	90	ECST1w	L100	2.48
C80-SLN40-100	40	84	100	ECST1w	L100	3.88
C80-SLN16-70	16	48	70	ECST1v	L060	2.38
C80-SLN20-70	20	50	70	ECST09	L080	2.39
C80-SLN25-80	25	60	80	ECST0A	L080	2.73
C80-SLN32-80	32	68	80	ECST1w	L100	2.88
C80-SLN40-110	40	84	110	ECST1w	L100	5.05
C80-SLN50-120	50	90	120	ECST1y	L120	5.91

PSC | HPC 强力刀柄 HPC Power Chuck

主轴接口标准：ISO 26623-1





注意：被夹持柄标准:刀具柄的直径公差必须达到h6/h7。

Note: Standard for clamped Shanks: tool shanks must have a diameter tolerance of H6/h7.

型号 Specification	DCONws	BD1	LPR	适用筒夹 Suit Collet	WT(kg)
C40-HPC20-85	20	52	85	SC20	1.35
C50-HPC20-90	20	52	90	SC20	1.59
C50-HPC25-95	25	60	95	SC25	1.60
C63-HPC20-90	20	52	90	SC20	1.90
C63-HPC25-95	25	60	95	SC25	1.93
C63-HPC32-110	32	69	110	SC32	2.20
C80-HPC25-95	25	60	95	SC25	2.90
C80-HPC32-110	32	69	110	SC32	3.17
C80-HPC42-110	42	86	110	SC42	3.40
C100-HPC32-120	32	69	120	SC32	5.30
C100-HPC42-120	42	86	120	SC42	5.60

筒夹Collet → EO006
附件Accessories → EZ004

PSC | FM面铣刀柄 FM Face Mill Holder

主轴接口标准：ISO 26623-1



Fig1

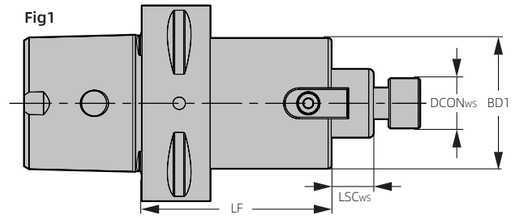
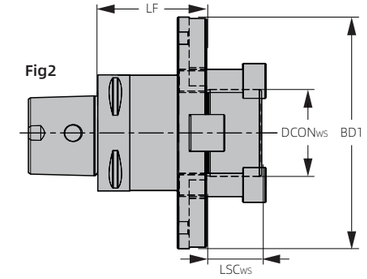


Fig2

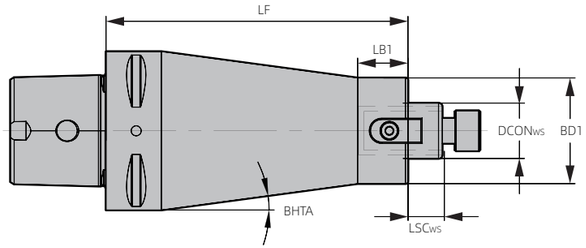


型号 Specification	图 Fig	DCONws	BD1	LF	LSCws	刀盘安装螺钉 Clamp Screw	键销 Drive Dog	扳手 Wrench	WT(kg)
C32-FMA16-30-C	1	16	32	30	17	EECZ0L	ECST26	L060	0.25
C40-FMA16-32-C	1	16	32	32	17	EECZ0L	ECST26	L060	0.38
C40-FMA16-55-C	1	16	32	55	17	EECZ0L	ECST26	L060	0.60
C40-FMA22-25-C	1	22	40	25	19	EECZ0d	ECST27	L080	0.40
C40-FMA22-55-C	1	22	40	55	19	EECZ0d	ECST27	L080	0.80
C50-FMA16-35-C	1	16	32	35	17	EECZ0L	ECST26	L060	0.60
C50-FMA16-70-C	1	16	32	70	17	EECZ0L	ECST26	L060	1.00
C50-FMA22-25-C	1	22	50	25	19	EECZ0d	ECST27	L080	0.62
C50-FMA22-70-C	1	22	40	70	19	EECZ0d	ECST27	L080	1.50
C50-FMA27-25-C	1	27	50	25	21	EECZ0e	ECST28	L100	0.68
C50-FMB32-40-C	1	32	63	40	24	EECZ0i	ECST29	L140	1.14
C63-FMA16-40-C	1	16	32	40	17	EECZ0L	ECST26	L060	1.00
C63-FMA22-25-C	1	22	63	25	19	EECZ0d	ECST27	L080	0.96
C63-FMA22-80-C	1	22	40	80	19	EECZ0d	ECST27	L080	2.80
C63-FMA27-25-C	1	27	63	25	21	EECZ0e	ECST28	L100	1.01
C63-FMA27-80-C	1	27	60	80	21	EECZ0e	ECST28	L100	2.90
C63-FMB32-25-C	1	32	63	25	24	EECZ0i	ECST2t	L140	1.09
C63-FMB40-50-C	1	40	89	50	27	EECZ0j	ECST2a	L170	2.40
C80-FMA16-50-C	1	16	34	50	17	EECZ0L	ECST26	L060	2.10
C80-FMA22-30-C	1	22	80	30	19	EECZ0d	ECST27	L080	1.86
C80-FMA22-90-C	1	22	42	90	19	EECZ0d	ECST27	L080	4.80
C80-FMA27-30-C	1	27	80	30	21	EECZ0e	ECST28	L100	1.91
C80-FMA27-90-C	1	27	60	90	21	EECZ0e	ECST28	L100	5.00
C80-FMB32-30-C	1	32	80	30	24	EECZ0i	ECST29	L140	2.02
C80-FMB40-60-C	1	40	89	60	27	EECZ0j	ECST2a	L170	3.47
C100-FMA27-75-C	1	27	60	75	21	EECZ0e	ECST28	L100	4.52
C100-FMB32-75-C	1	32	78	75	24	EECZ0i	ECST29	L140	5.04
C63-FMC40-50-C	2	40	89	50	27	EECZ0f	ECST2a	L100	2.40
C80-FMC40-60-C	2	40	89	60	27	EECZ0f	ECST2a	L100	3.47
C100-FMC40-40-C	2	40	100	40	27	EECZ0f	ECST2a	L100	3.95
C80-FMC60-60	2	60	129	60	38	EECZ0g	ECST2u	L140	6.03
C100-FMC60-75	2	60	129	75	38	EECZ0g	ECST2u	L140	8.50

PSC | FM面铣锥度刀柄 FM Face Mill Taper Holder

主轴接口标准：ISO 26623-1



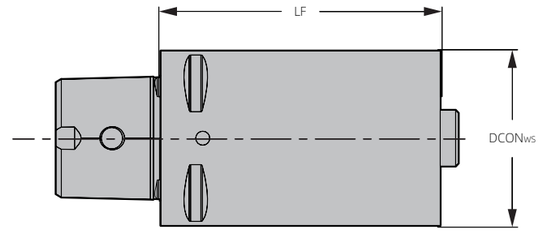


型号 Specification	DCONws	BD1	LF	LSCws	LB1	BHTA	刀盘安装螺钉 Clamp Screw	键销 Drive Dog	扳手 Wrench	WT(kg)
C40-FMA16-120-CR	16	32	120	17	22	2.94°	EECZ0L	ECST26	L060	0.99
C50-FMA22-150-CR	22	40	150	19	12	2.43°	EECZ0d	ECST27	L080	2.04
C63-FMA22-120-CR	22	55	120	19	98	2.46°	EECZ0d	ECST27	L080	2.82
C63-FMA22-190-CR	22	55	190	19	168	1.41°	EECZ0d	ECST27	L080	4.25
C80-FMA27-150-CR	27	65	150	21	120	3.73°	EECZ0e	ECST28	L100	5.62
C80-FMA27-240-CR	27	65	240	21	210	2.1°	EECZ0e	ECST28	L100	8.42

PSC | PSC-PSC等径延长杆 PSC-PSC Equal Diameter Extension Rod

主轴接口标准：ISO 26623-1



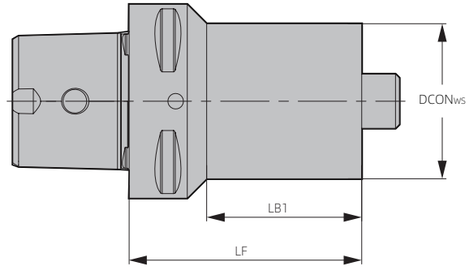


型号 Specification	DCONws	LF	WT(kg)
C32-C32-60-C	32	60	0.36
C32-C32-80-C	32	80	0.47
C32-C32-95-C	32	95	0.56
C40-C40-60-C	40	60	0.57
C40-C40-80-C	40	80	0.74
C40-C40-120-C	40	120	1.11
C50-C50-80-C	50	80	1.15
C50-C50-100-C	50	100	1.48
C50-C50-150-C	50	150	2.17
C63-C63-100-C	63	100	2.26
C63-C63-140-C	63	140	3.17
C63-C63-185-C	63	185	4.19
C80-C80-100-C	80	100	3.70
C80-C80-125-C	80	125	4.64
C80-C80-200-C	80	200	7.47
C100-C100-140-C	100	140	7.93
C100-C100-200-C	100	200	11.49

PSC PSC-PSC变径延长杆 PSC-PSC Variable Diameter Extension Rod

主轴接口标准：ISO 26623-1



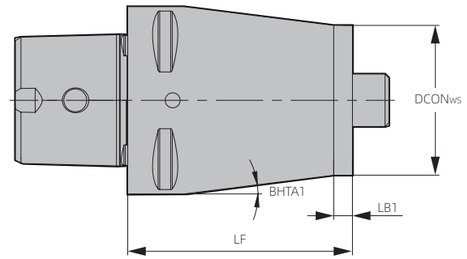


型号 Specification	DCONws	LF	LB1	WT(kg)
C40-C32-55-C	32	55	31	0.49
C40-C32-120-C	32	120	95.7	0.81
C50-C32-33-C	32	33	5	0.54
C50-C32-60-C	32	60	34.8	0.68
C50-C32-120-C	32	120	94.4	0.99
C50-C40-40-C	40	40	15	0.59
C50-C40-65-C	40	65	40	0.8
C50-C40-140-C	40	140	115.5	1.46
C63-C32-32-C	32	32	6	0.91
C63-C32-70-C	32	70	39	1.12
C63-C32-125-C	32	125	95.6	1.43
C63-C40-40-C	40	40	11	0.98
C63-C40-80-C	40	80	51.4	1.32
C63-C40-145-C	40	145	116.7	1.86
C63-C50-50-C	50	50	20	1.11
C63-C50-80-C	50	80	51.5	1.53
C63-C50-175-C	50	175	148.1	2.79
C80-C32-60-C	32	60	20.7	2.07
C80-C32-135-C	32	135	95.7	2.53
C80-C40-70-C	40	70	31.4	2.2
C80-C40-155-C	40	155	116.4	2.97
C80-C50-45-C	50	45	5	2
C80-C50-80-C	50	80	42.8	2.43
C80-C50-185-C	50	185	147.8	3.88
C80-C63-55-C	63	55	15	2.15
C80-C63-80-C	63	80	44.5	2.65
C80-C63-200-C	63	200	164.5	5.37
C100-C63-55-C	63	55	14	3.7
C100-C63-200-C	63	200	155.8	6.92
C100-C80-65-C	80	65	25.4	3.92
C100-C80-200-C	80	200	158.1	8.92

PSC PSC-PSC锥度变径延长杆 PSC-PSC Taper Reducing Extension Rod

主轴接口标准：ISO 26623-1





型号 Specification	DCONws	LF	LB1	BHTA1	WT(kg)
C40-C32-70 -CR	32	70	10	6°	0.59
C50-C32-150-CR	32	150	5	4°	1.65
C50-C40-85-CR	40	85	10	5°	1.10
C63-C32-185-CR	32	185	5	6°	2.99
C63-C40-185-CR	40	185	5	4°	3.23
C63-C50-110-CR	50	110	10	5°	2.23
C80-C40-200-CR	40	200	5	7°	5.42
C80-C50-200-CR	50	200	5	5°	5.84



ED

HSK HOLDERS
HSK刀柄

Nomenclature
命名规则 **ED003-003**

EHP Hydraulic Chuck
EHP液压刀柄 **ED005-005**

SF Shrink Fit Holder
SF热胀刀柄 **ED006-007**

GSK Precision High-Speed Collet Holder
GSK精密高速筒夹刀柄 **ED008-008**

ER Collet Holder
ER筒夹刀柄 **ED009-009**

HPC Power Chuck
HPC强力刀柄 **ED010-010**

SLN Side-lock Holder
SLN侧固刀柄 **ED011-011**

FM Face Mill Holder
FM面铣刀柄 **ED012-012**

HSK-A/C -PSC Adapter Holder (Pull-back)
HSK-A/C-PSC转换柄（后拉式） **ED013-013**

命名规则
Naming rules

机床侧接口标识 Machine Tool Side Interface Identification	
C	ISO 26623-1
BT	JIS 6339-2(JD)
HSK-A	DIN69893-1
SK	DIN69871(AD)
CAT	ANSI B5.50

标称尺寸 Nominal Size
**

工件侧接口标识 Interface Identification On The Workpiece Side			
SF	DIN 1835-A（h6）	FMC	ISO 6462 C
EHP	DIN 1835-A（h6）	MTA	GB/T 1443-1
ER	DIN6499	CF	PSC径向锁紧 PSC Radial locking
SLN	DIN1835-B	C	PSC后拉锁紧 PSC Rear pull locking
HPC	DIN 1835-A（h6）		
FMA	ISO 6462 A		
FMB	ISO 6462 B		

C - 40 - SF - 6 - 75 - *** - ***

夹持口径 Clamping Caliber
**

长度 Length
**

结构特征 Structure Characteristics	
C	内冷 Internal Cooling
R	锥度 Taper
T	阻尼减振 Vibration Damping
M	端面冷却 End Face Cooling
Q	精准冷却 Precise Cooling
F	台阶 Steps
缺省 Default	

非标编号 Non Standard Number

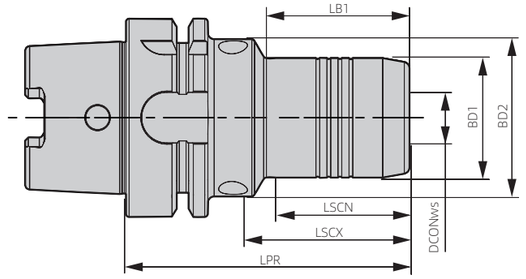
刀具夹持 Tool Clamping

刀具夹持 Tool Clamping

HSK | EHP 液压刀柄 EHP Hydraulic Chuck

主轴接口标准：DIN 69893





1.EHP刀具系列用途高转速、高精密切削加工，切削效果佳
2.动平衡设定: G2.5；20,000 rpm
3.3D处径向跳动≤0.003 mm
4.被夹持柄标准:刀具柄的直径公差必须达到h6
注意：必须满足最小夹持深度LSCN，且注意止动调节螺钉应当有效支撑刀具。

1.For high-speed and high precision cutting.
2.Balanced: G2.5; 20,000 rpm.
3.Runout (X3D): ≤0.003 mm.
4. Standard for clamped shanks: the diameter tolerance of tool shanks must be up to H6.
Note: the minimum clamping depth LSCN must be met, and note that the stop adjusting screw should effectively support the tool.

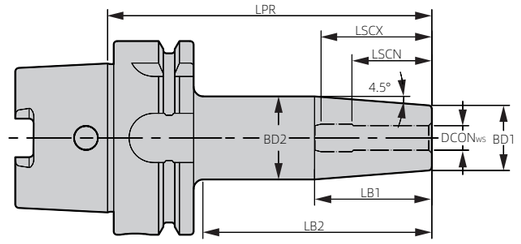
型号 Specification	DCONws	BD1	BD2	LPR	LSCX	LSCN	LB1	轴向调节螺钉 AxialAdjustmentScrew	WT(kg)
HSK-A63-EHP6-70	6	26	50	70	37	26	24	EDST0c	1.01
HSK-A63-EHP8-70	8	28	50	70	37	26	25	EDST0d	1.02
HSK-A63-EHP10-80	10	30	50	80	41	30	35	EDST0e	1.08
HSK-A63-EHP12-85	12	32	50	85	46	36	40	EDST0e	1.13
HSK-A63-EHP16-90	16	38	50	90	49	40	46	EDST0e	1.21
HSK-A63-EHP20-90	20	42	50	90	51	40	48	EDST0e	1.25
HSK-A63-EHP25-120	25	57	63	120	57	48.5	59	EDST0f	2.17
HSK-A63-EHP32-125	32	64	75	125	61	53	63	EDST0f	2.54
HSK-A100-EHP6-75	6	26	50	75	37	26	26	EDST0c	2.40
HSK-A100-EHP8-75	8	28	50	75	37	26	26	EDST0d	2.41
HSK-A100-EHP10-90	10	30	50	90	41	30	42	EDST0e	2.48
HSK-A100-EHP12-95	12	32	50	95	46	36	47	EDST0e	2.53
HSK-A100-EHP16-100	16	38	50	100	49	40	53	EDST0e	2.61
HSK-A100-EHP20-105	20	42	50	105	51	40	51	EDST0e	2.75
HSK-A100-EHP25-110	25	57	63	110	57	48.5	62	EDST0f	3.39
HSK-A100-EHP32-110	32	64	75	110	61	53	62	EDST0f	3.66
HSK-A63-EHP6-150	6	26	50	150	37	26	103	EDST0c	1.30
HSK-A63-EHP8-150	8	28	50	150	37	26	104	EDST0d	1.44
HSK-A63-EHP10-150	10	30	50	150	41	30	104	EDST0e	1.51
HSK-A63-EHP12-150	12	32	50	150	46	36	105	EDST0e	1.58
HSK-A63-EHP14-150	14	34	50	150	46	36	105	EDST0e	2.11
HSK-A63-EHP16-150	16	38	50	150	49	40	106	EDST0e	1.71
HSK-A63-EHP18-150	18	40	50	150	49	40	107	EDST0e	1.83
HSK-A63-EHP20-150	20	42	50	150	51	40	108	EDST0e	1.91
HSK-A63-EHP6-200	6	26	50	200	37	26	153	EDST0c	1.65
HSK-A63-EHP8-200	8	28	50	200	37	26	154	EDST0d	1.74
HSK-A63-EHP10-200	10	30	50	200	41	30	154	EDST0e	1.90
HSK-A63-EHP12-200	12	32	50	200	46	36	155	EDST0e	1.92
HSK-A63-EHP14-200	14	34	50	200	46	36	155	EDST0e	2.52
HSK-A63-EHP16-200	16	38	50	200	49	40	156	EDST0e	2.46
HSK-A63-EHP18-200	18	40	50	200	49	40	157	EDST0e	2.55
HSK-A63-EHP20-200	20	42	50	200	51	40	158	EDST0e	2.67
HSK-A100-EHP12-150	12	32	50	150	46	36	102	EDST0e	3.90
HSK-A100-EHP20-150	20	42	50	150	51	40	104	EDST0e	3.93

筒夹Collet → EO003
附件Accessories → EZ005

HSK | SF 热胀刀柄 SF Shrink Fit Holder

主轴接口标准：DIN 69893





1.动平衡设定: G2.5；25,000 rpm
2.3D处径向跳动≤0.003 mm
3.被夹持柄标准:刀具柄的直径公差必须达到h6
注意：不适合用于高速钢及其他钢材料的柄的夹持。

1.Balanced: G2.5; 25,000 rpm.
2.Runout (X3D): ≤0.003 mm.
3.Standard for clamped shanks: the diameter tolerance of tool shanks must be up to H6.
Note: not suitable for HSS high speed steel and other steel materials.

型号 Specification	DCONws	BD1	BD2	LPR	LSCX	LSCN	LB1	LB2	轴向调节螺钉 AxialAdjustmentScrew	WT(kg)
HSK-A63-SF4-80	4	15	20	80	-	18	32	48	-	0.7
HSK-A63-SF6-80	6	21	27	80	36	26	38	48	EENQ01	0.8
HSK-A63-SF6-130	6	21	27	130	36	26	38	98	EENQ01	1.0
HSK-A63-SF6-160	6	21	27	160	36	26	38	128	EENQ01	1.2
HSK-A63-SF8-80	8	21	27	80	36	26	38	48	EENQ02	0.8
HSK-A63-SF8-130	8	21	27	130	36	26	38	98	EENQ02	1.0
HSK-A63-SF8-160	8	21	27	160	36	26	38	128	EENQ02	1.2
HSK-A63-SF10-85	10	24	32	85	42	42	50	53	EENQ03	0.9
HSK-A63-SF10-130	10	24	32	130	42	42	50	98	EENQ03	1.2
HSK-A63-SF10-160	10	24	32	160	42	42	50	128	EENQ03	1.5
HSK-A63-SF12-90	12	24	32	90	47	47	50	58	EENQ04	0.9
HSK-A63-SF12-130	12	24	32	130	47	47	50	98	EENQ04	1.2
HSK-A63-SF12-160	12	24	32	160	47	47	50	128	EENQ04	1.5
HSK-A63-SF14-90	14	27	34	90	47	47	44	58	EENQ05	1.0
HSK-A63-SF16-95	16	27	34	95	50	40	44	63	EENQ05	1.0
HSK-A63-SF16-130	16	27	34	130	50	40	44	98	EENQ05	1.3
HSK-A63-SF16-160	16	27	34	160	50	40	44	128	EENQ05	1.6
HSK-A63-SF18-95	18	33	42	95	50	40	57	61	EENQ06	1.1
HSK-A63-SF20-100	20	33	42	100	52	42	57	66	EENQ06	1.1
HSK-A63-SF20-130	20	33	42	130	52	42	57	96	EENQ06	1.3
HSK-A63-SF20-160	20	33	42	160	52	42	57	126	EENQ06	1.6
HSK-A63-SF25-115	25	44	52	115	58	48	57	79	EENQ06	2.0
HSK-A63-SF25-160	25	44	52	160	58	48	57	124	EENQ06	2.3
HSK-A100-SF6-85	6	21	27	85	36	26	38	50	EENQ01	2.0
HSK-A100-SF6-130	6	21	27	130	36	26	38	95	EENQ01	2.3
HSK-A100-SF6-160	6	21	27	160	36	26	38	125	EENQ01	2.6
HSK-A100-SF8-85	8	21	27	85	36	26	38	50	EENQ02	2.0
HSK-A100-SF8-130	8	21	27	130	36	26	38	95	EENQ02	2.3
HSK-A100-SF8-160	8	21	27	160	36	26	38	125	EENQ02	2.6
HSK-A100-SF10-90	10	24	32	90	42	32	50	55	EENQ03	2.1
HSK-A100-SF10-130	10	24	32	130	42	32	50	95	EENQ03	2.4
HSK-A100-SF10-160	10	24	32	160	42	32	50	125	EENQ03	2.8
HSK-A100-SF12-90	10	24	32	90	42	32	50	55	EENQ04	2.2
HSK-A100-SF12-130	10	24	32	130	42	32	50	95	EENQ04	2.5
HSK-A100-SF12-160	10	24	32	160	42	32	50	125	EENQ04	2.9
HSK-A100-SF14-95	14	27	34	95	47	37	44	58	EENQ05	2.4
HSK-A100-SF14-130	14	27	34	95	47	37	44	95	EENQ05	2.6
HSK-A100-SF16-100	16	27	34	100	50	39	44	63	EENQ05	2.5
HSK-A100-SF16-130	16	27	34	130	50	39	44	93	EENQ05	2.8
HSK-A100-SF16-160	16	27	34	160	50	39	44	123	EENQ05	3.1
HSK-A100-SF18-130	18	33	42	130	50	39	57	93	EENQ06	2.9
HSK-A100-SF20-105	20	33	42	105	52	41	57	68	EENQ06	2.6

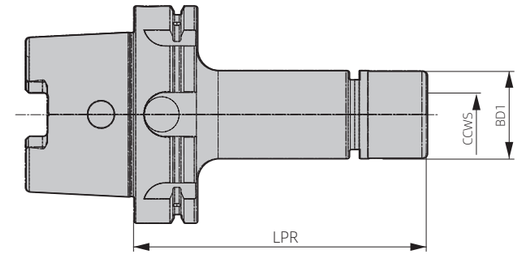
附件Accessories → EZ005

型号 Specification	DCONws	BD1	BD2	LPR	LSCX	LSCN	LB1	LB2	轴向调节螺钉 Axial Adjustment Screw	WT(kg)
HSK-A100-SF20-130	20	33	42	130	52	41	57	93	EENQ06	2.9
HSK-A100-SF20-160	20	33	42	160	52	41	57	123	EENQ06	3.3
HSK-A100-SF25-115	25	44	53	115	58	47	57	76	EENQ06	2.8
HSK-A100-SF32-120	32	44	53	120	58	47	57	81	EENQ06	3.2

HSK GSK精密高速筒夹刀柄 GSK Precision High-Speed Collet Holder

主轴接口标准：DIN 69893





注意：使用时夹头必须先装入螺帽,再装入刀具,然后锁紧刀柄。

Note: The holder must be loaded into the nut, then into the tool, and then locked holder.

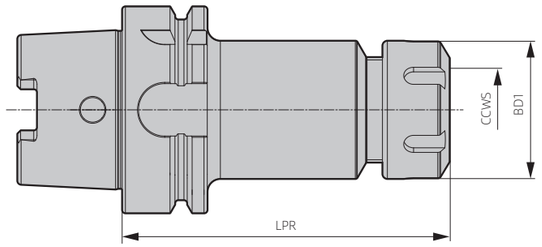
型号 Specification	CCWS	BD1	LPR	螺帽 Nut	轴向调节螺钉 Axial Adjustment Screw	筒夹 Collet	WT(kg)
HSK-A50-GSK6-90	6	19.5	90	GSK6	EZSWD11	SK6	0.53
HSK-A50-GSK6-120	6	19.5	120	GSK6	EZSWD11	SK6	0.61
HSK-A50-GSK10-90	10	27	90	GSK10	EZSWD12	SK10	0.62
HSK-A50-GSK10-120	10	27	120	GSK10	EZSWD12	SK10	0.74
HSK-A50-GSK16-90	16	40	90	GSK16	EZSWD13	SK16	0.83
HSK-A50-GSK16-120	16	40	120	GSK16	EZSWD13	SK16	1.08
HSK-A50-GSK20-90	20	48	90	GSK20	EZSWD14	SK20	0.89
HSK-A63-GSK6-80	6	19.5	80	GSK6	EZSWD11	SK6	0.76
HSK-A63-GSK6-100	6	19.5	100	GSK6	EZSWD11	SK6	0.83
HSK-A63-GSK6-120	6	19.5	120	GSK6	EZSWD11	SK6	0.90
HSK-A63-GSK6-150	6	19.5	150	GSK6	EZSWD11	SK6	0.96
HSK-A63-GSK10-80	10	27	80	GSK10	EZSWD12	SK10	0.83
HSK-A63-GSK10-100	10	27	100	GSK10	EZSWD12	SK10	0.94
HSK-A63-GSK10-120	10	27	120	GSK10	EZSWD12	SK10	1.04
HSK-A63-GSK10-150	10	27	150	GSK10	EZSWD12	SK10	1.19
HSK-A63-GSK16-80	16	40	80	GSK16	EZSWD13	SK16	1.02
HSK-A63-GSK16-100	16	40	100	GSK16	EZSWD13	SK16	1.19
HSK-A63-GSK16-120	16	40	120	GSK16	EZSWD13	SK16	1.40
HSK-A63-GSK16-150	16	40	150	GSK16	EZSWD13	SK16	1.67
HSK-A63-GSK20-80	20	48	80	GSK20	EZSWD14	SK20	1.21
HSK-A63-GSK20-100	20	48	100	GSK20	EZSWD14	SK20	1.41
HSK-A63-GSK20-120	20	48	120	GSK20	EZSWD14	SK20	1.62
HSK-A63-GSK20-150	20	48	150	GSK20	EZSWD14	SK20	1.89
HSK-A63-GSK25-80	25	55	80	GSK25	EZSWD15	SK25	1.51
HSK-A63-GSK25-100	25	55	100	GSK25	EZSWD15	SK25	1.84
HSK-A63-GSK25-120	25	55	120	GSK25	EZSWD15	SK25	2.11
HSK-A63-GSK25-150	25	55	150	GSK25	EZSWD15	SK25	2.42

筒夹Collet → EO004-005
附件Accessories → EZ003-005

HSK | ER筒夹刀柄 ER Collet Holder

主轴接口标准：DIN 69893





注意：使用时夹头必须先装入螺帽,再装入刀具,然后锁紧刀柄。

Note: The holder must be loaded into the nut, then into the tool, and then locked holder.

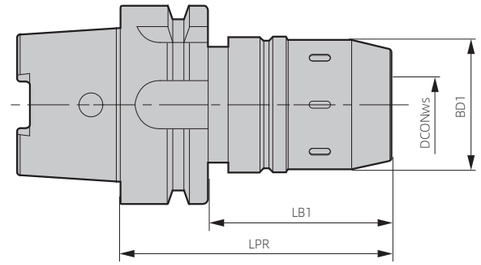
型号 Specification	CCWS	BD1	LPR	螺帽 Nut	轴向调节螺钉 Axial Adjustment Screw	筒夹 Collet	WT(kg)
HSK-A63-ER16-80	16	28	80	CNA-ER16	EECZ07	ER16	1.0
HSK-A63-ER16-100	16	28	100	CNA-ER16	EECZ07	ER16	1.1
HSK-A63-ER16-130	16	28	130	CNA-ER16	EECZ07	ER16	1.2
HSK-A63-ER16-160	16	28	160	CNA-ER16	EECZ07	ER16	1.4
HSK-A63-ER20-80	20	34	80	CNA-ER20	EECZ08	ER20	1.0
HSK-A63-ER20-100	20	34	100	CNA-ER20	EECZ08	ER20	1.2
HSK-A63-ER20-130	20	34	130	CNA-ER20	EECZ08	ER20	1.4
HSK-A63-ER20-160	20	34	160	CNA-ER20	EECZ08	ER20	1.7
HSK-A63-ER25-80	25	42	80	CNU-M/RD-ER25	EECZ09	ER25	1.1
HSK-A63-ER25-100	25	42	100	CNU-M/RD-ER25	EECZ09	ER25	1.4
HSK-A63-ER25-130	25	42	130	CNU-M/RD-ER25	EECZ09	ER25	1.7
HSK-A63-ER25-160	25	42	160	CNU-M/RD-ER25	EECZ09	ER25	2.1
HSK-A63-ER32-100	32	50	100	CNU-M/RD-ER32	EECZ0b	ER32	1.6
HSK-A63-ER32-130	32	50	130	CNU-M/RD-ER32	EECZ0b	ER32	2.1
HSK-A63-ER32-160	32	50	160	CNU-M/RD-ER32	EECZ0b	ER32	2.5
HSK-A63-ER40-100	40	63	100	CNU-M/RD-ER40	EECZ0c	ER40	2.4
HSK-A63-ER40-130	40	63	130	CNU-M/RD-ER40	EECZ0c	ER40	2.7
HSK-A63-ER40-160	40	63	160	CNU-M/RD-ER40	EECZ0c	ER40	2.9
HSK-A100-ER16-100	16	28	100	CNA-ER16	EECZ07	ER16	3.4
HSK-A100-ER16-130	16	28	130	CNA-ER16	EECZ07	ER16	3.5
HSK-A100-ER16-160	16	28	160	CNA-ER16	EECZ07	ER16	3.7
HSK-A100-ER20-100	20	34	100	CNA-ER20	EECZ08	ER20	3.5
HSK-A100-ER20-130	20	34	130	CNA-ER20	EECZ08	ER20	3.6
HSK-A100-ER20-160	20	34	160	CNA-ER20	EECZ08	ER20	3.9
HSK-A100-ER25-100	25	42	100	CNU-M/RD-ER25	EECZ09	ER25	3.7
HSK-A100-ER25-130	25	42	130	CNU-M/RD-ER25	EECZ09	ER25	3.8
HSK-A100-ER25-160	25	42	160	CNU-M/RD-ER25	EECZ09	ER25	4.2
HSK-A100-ER32-100	32	50	100	CNU-M/RD-ER32	EECZ0b	ER32	3.9
HSK-A100-ER32-100	32	50	130	CNU-M/RD-ER32	EECZ0b	ER32	4.2
HSK-A100-ER32-160	32	50	160	CNU-M/RD-ER32	EECZ0b	ER32	4.7
HSK-A100-ER32-200	32	50	200	CNU-M/RD-ER32	EECZ0b	ER32	4.9
HSK-A100-ER40-100	40	63	100	CNU-M/RD-ER40	EECZ0c	ER40	4.3
HSK-A100-ER40-130	40	63	130	CNU-M/RD-ER40	EECZ0c	ER40	4.7
HSK-A100-ER40-160	40	63	160	CNU-M/RD-ER40	EECZ0c	ER40	4.9

筒夹Collet → EO007-009
附件Accessories → EZ003-005

HSK | HPC强力刀柄 HPC Power Chuck

主轴接口标准：DIN 69893





注意：被夹持柄标准:刀具柄的直径公差必须达到h6/h7。

Note: Standard for clamped Shanks: tool shanks must have a diameter tolerance of H6/h7.

型号 Specification	DCONws	BD1	LB1	LPR	适用筒夹 Suit collet	夹持范围 Clamping range	WT(kg)
HSK-A63-HPC20-95	20	53	69	95	SC20	6-20	1.8
HSK-A63-HPC25-105	25	62	74	105	SC25	6-25	2.1
HSK-A63-HPC32-115	32	68	84	115	SC32	6-32	2.5
HSK-A100-HPC20-105	20	53	76	105	SC20	6-20	3.3
HSK-A100-HPC25-105	25	62	76	105	SC25	6-25	3.5
HSK-A100-HPC32-115	32	68	106	115	SC32	6-32	3.9

筒夹Collet → EO006
附件Accessories → EZ004-005

HSK | SLN侧固式刀柄 SLN Side-lock Holder

主轴接口标准：DIN 69893



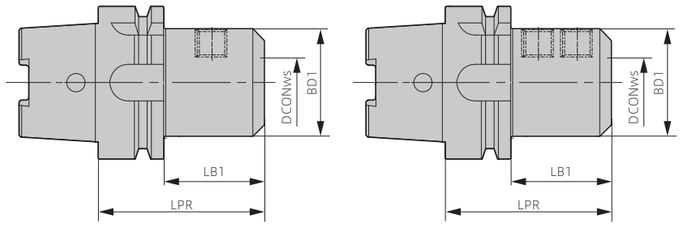


Fig1

Fig2

型号 Specification	图 Fig	DCONws	BD1	LPR	侧面压紧螺钉 Side-lock screw	扳手 Wrench	WT(kg)
HSK-A63-SLN16-80	1	16	48	80	EDNQ0f	L060	1.7
HSK-A63-SLN20-80	1	20	52	80	EDNQ0g	L080	1.8
HSK-A63-SLN25-110	2	25	65	110	EDNQ0h	L080	2.5
HSK-A63-SLN32-110	2	32	72	110	EDNQ0i	L100	2.7
HSK-A100-SLN16-100	1	16	48	100	EDNQ0f	L060	3.8
HSK-A100-SLN20-100	1	20	52	100	EDNQ0g	L080	3.9
HSK-A100-SLN25-110	2	25	65	110	EDNQ0h	L080	4.0
HSK-A100-SLN32-110	2	32	72	110	EDNQ0i	L100	4.1
HSK-A100-SLN40-120	2	40	80	120	EDNQ0j	L100	5.2

附件Accessories → EZ005

HSK | FM平面铣刀柄 FM Face Mill Holder

主轴接口标准：DIN 69893



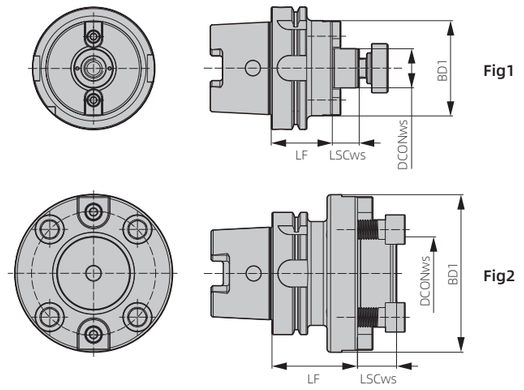


Fig1

Fig2

型号 Specification	图 Fig	DCONws	BD1	LF	LSCws	刀盘安装螺钉 Clamp Screw	键销 Key pin	键销螺钉 Key pin Screw	扳手 Wrench	WT(kg)
HSK-A63-FMA16-50	1	16	32	50	17	EECZ0L	EECZ0r	EECZ0m	L060	1.1
HSK-A63-FMA16-100	1	16	32	100	17	EECZ0L	EECZ0r	EECZ0m	L060	1.5
HSK-A63-FMA22-50	1	22	48	50	19	EDNQ0q	EDNQ0k	EECZ0n	L080	1.3
HSK-A63-FMA22-100	1	22	48	100	19	EDNQ0q	EDNQ0k	EECZ0n	L080	1.8
HSK-A63-FMA22-160	1	22	48	160	19	EDNQ0q	EDNQ0k	EECZ0n	L080	2.6
HSK-A63-FMA27-60	1	27	60	60	21	EDNQ0r	EDNQ0L	EECZ0o	L100	1.6
HSK-A63-FMA27-100	1	27	60	100	21	EDNQ0r	EDNQ0L	EECZ0o	L100	2.3
HSK-A63-FMB32-60	1	32	78	60	24	EDNQ0s	EDNQ0m	EECZ0p	L100	2.0
HSK-A63-FMB32-100	1	32	78	100	24	EDNQ0s	EDNQ0m	EECZ0p	L100	2.8
HSK-A63-FMB40-60	1	40	89	60	27	EDNQ0t	EDNQ0n	EECZ0q	L120	4.1
HSK-A100-FMA22-100	1	22	48	100	19	EDNQ0q	EDNQ0k	EECZ0n	L080	3.9
HSK-A100-FMA22-160	1	22	48	160	19	EDNQ0q	EDNQ0k	EECZ0n	L080	5.8
HSK-A100-FMA27-100	1	27	60	100	21	EDNQ0r	EDNQ0L	EECZ0o	L100	3.7
HSK-A100-FMA27-160	1	27	60	160	21	EDNQ0r	EDNQ0L	EECZ0o	L100	5.6
HSK-A100-FMB32-100	1	32	78	100	24	EDNQ0s	EDNQ0m	EECZ0p	L100	4.8
HSK-A100-FMB40-60	1	40	89	60	27	EDNQ0t	EDNQ0n	EECZ0q	L120	3.9

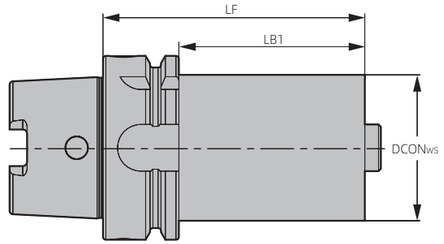
附件Accessories → EZ005

HSK

HSK-A/C-PSC转换柄（后拉式）
HSK-A/C-PSC Adapter Holder(Pull-back)

主轴接口标准：DIN 69893





1.中心拉钉锁紧
2.仅适用于旋转刀具
3.中心通水，冷却液压力≤80bar

1.Locking with center pull stud.
2.Pyramid in the same direction before and after.
3.Central cooling supply, coolant pressure≤80bar.

型号 Specification	DCONws	LF	LB1	WT(kg)
HSK-A63-C32-75-C	32	75	49	0.98
HSK-A63-C40-80-C	40	80	54	1.14
HSK-A63-C50-90-C	50	90	64	1.47
HSK-A100-C32-80-C	32	80	51	2.42
HSK-A100-C40-90-C	40	90	61	2.63
HSK-A100-C50-100-C	50	100	71	3.02
HSK-A100-C63-110-C	63	110	81	3.70
HSK-A100-C80-120-C	80	120	91	4.87
HSK-A100-C100-155-C	100	155	-	7.64

附件Accessories → EZ005

刀具夹持 Tool Clamping



EE

BT HOLDERS
BT刀柄

Nomenclature
命名规则 **EE003-003**

EHP Hydraulic Chuck
EHP液压刀柄 **EE005-005**

SF Shrink Fit Holder
SF热胀刀柄 **EE006-007**

GSK Precision High-Speed Collet Holder
GSK精密高速筒夹刀柄 **EE008-009**

ER Collet Holder
ER筒夹刀柄 **EE010-010**

HPC Power Chuck
HPC强力刀柄 **EE011-011**

SLN Side-lock Holder
SLN侧固刀柄 **EE012-012**

MTA Morse Taper Holder
MTA锥套刀柄 **EE013-013**

FM Face Mill Holder
FM面铣刀柄 **EE014-014**

BT-PSC Adapter Holder (Pull-back)
BT-PSC转换柄（后拉式） **EE015-015**

命名规则
Naming rules

机床侧接口标识 Machine Tool Side Interface Identification	
C	ISO 26623-1
BT	JIS 6339-2(JD)
HSK-A	DIN69893-1
SK	DIN69871(AD)
CAT	ANSI B5.50

标称尺寸 Nominal Size
**

工件侧接口标识 Interface Identification On The Workpiece Side			
SF	DIN 1835-A（h6）	FMC	ISO 6462 C
EHP	DIN 1835-A（h6）	MTA	GB/T 1443-1
ER	DIN6499	CF	PSC径向锁紧 PSC Radial locking
SLN	DIN1835-B	C	PSC后拉锁紧 PSC Rear pull locking
HPC	DIN 1835-A（h6）		
FMA	ISO 6462 A		
FMB	ISO 6462 B		

C **40** - **SF** **6** - **75** - ******* - *******

夹持口径 Clamping Caliber
**

长度 Length
**

结构特征 Structure Characteristics	
C	内冷 Internal Cooling
R	锥度 Taper
T	阻尼减振 Vibration Damping
M	端面冷却 End Face Cooling
Q	精准冷却 Precise Cooling
F	台阶 Steps
缺省 Default	

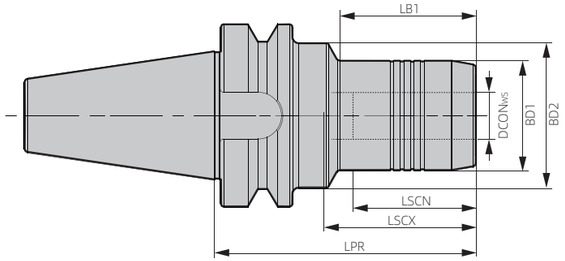
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刀具夹持 Tool Clamping

BT EHP液压刀柄 EHP Hydraulic Chuck

主轴接口标准：JIS B6339





1.EHP刀具系列用途高转速、高精密切削加工，切削效果佳
2.动平衡设定: G2.5；20,000 rpm
3.3D处径向跳动≤0.003 mm
4.被夹持柄标准:刀具柄的直径公差必须达到h6
注意：必须满足最小夹持深度LSCN，且注意止动调节螺钉应当有效支撑刀具。

1.For high-speed and high precision cutting.
2.Balanced: G2.5; 20,000 rpm.
3.Runout (X3D): ≤0.003 mm.
4. Standard for clamped shanks: the diameter tolerance of tool shanks must be up to H6.
Note: the minimum clamping depth LSCN must be met, and note that the stop adjusting screw should effectively support the tool.

型号 Specification	DCONws	BD1	BD2	LPR	LSCX	LSCN	LB1	轴向调节螺钉 Axial Adjustment Screw	WT（kg）
BT30-EHP6-50.8	6	26	46	50.8	37	26	15.6	EDST0c	0.50
BT30-EHP8-50.8	8	28	46	50.8	37	26	15.6	EDST0d	0.50
BT30-EHP10-50.8	10	30	46	50.8	41	30	15.6	EDST0e	0.60
BT30-EHP12-50.8	12	32	46	50.8	46	36	15.6	EDST0e	0.60
BT30-EHP16-90	16	38	45	90	49	40	50	EDST0e	0.90
BT30-EHP20-90	20	42	45	90	51	40	50	EDST0e	0.95
BT40-EHP6-90	6	26	50	90	37	26	43	EDST0c	1.40
BT40-EHP8-90	8	28	50	90	37	26	44.5	EDST0d	1.50
BT40-EHP10-90	10	30	50	90	41	30	44.5	EDST0e	1.45
BT40-EHP12-90	12	32	50	90	46	36	44.5	EDST0e	1.45
BT40-EHP14-90	14	34	50	90	46	36	44.5	EDST0e	1.50
BT40-EHP16-90	16	38	50	90	49	40	47.5	EDST0e	1.50
BT40-EHP20-90	20	42	50	90	51	40	47.5	EDST0e	1.55
BT40-EHP25-83	25	57	62	83	57	48.5	44	EDST0f	1.70
BT40-EHP32-83	32	63	80	83	61	53	25.5	EDST0f	1.80
BT50-EHP12-90	12	32	44.5	90	46	36	34	EDST0e	4.10
BT50-EHP16-90	16	38	44.5	90	49	40	34	EDST0e	4.10
BT50-EHP20-90	20	42	44.5	90	51	40	34	EDST0e	4.10
BT50-EHP20-105	20	42	44.5	105	51	40	47.5	EDST0e	4.20
BT50-EHP25-90	25	57	66	90	57	48.5	34	EDST0f	4.40
BT50-EHP32-90	32	64	72	90	61	53	34	EDST0f	4.60
BT40-EHP6-150	6	26	50	150	37	26	103	EDST0c	2.20
BT40-EHP8-150	8	28	50	150	37	26	104	EDST0d	2.20
BT40-EHP10-150	10	30	50	150	41	30	104	EDST0e	2.30
BT40-EHP12-150	12	32	50	150	46	36	105	EDST0e	2.30
BT40-EHP14-150	14	34	50	150	49	36	105	EDST0e	2.30
BT40-EHP16-150	16	38	50	150	51	40	106	EDST0e	2.30
BT40-EHP18-150	18	40	50	150	37	40	107	EDST0e	2.40
BT40-EHP20-150	20	42	50	150	37	40	107	EDST0e	2.40
BT40-EHP6-200	6	26	50	200	41	26	153	EDST0c	2.90
BT40-EHP8-200	8	28	50	200	46	26	154	EDST0d	2.90
BT40-EHP10-200	10	30	50	200	46	30	154	EDST0e	3.00
BT40-EHP12-200	12	32	50	200	49	36	155	EDST0e	3.00
BT40-EHP14-200	14	34	50	200	51	36	155	EDST0e	3.00
BT40-EHP16-200	16	38	50	200	57	40	156	EDST0e	3.00
BT40-EHP18-200	18	40	50	200	61	40	157	EDST0e	3.10
BT40-EHP20-200	20	42	50	200	46	40	157	EDST0e	3.10
BT50-EHP12-150	12	32	50	150	49	36	95	EDST0e	4.70
BT50-EHP20-150	20	42	50	150	51	40	95	EDST0e	4.70

刀具夹持 Tool Clamping

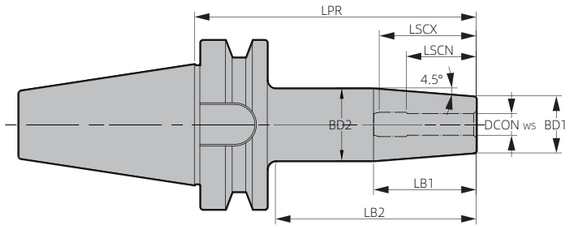
TORKOOL

简夹Collet → EO003
附件Accessories → EZ006

BT SF热胀刀柄 SF Shrink Fit Holder

主轴接口标准：JIS B6339





1.动平衡设定: G2.5；25,000 rpm
2.3D处径向跳动≤0.003 mm
3.被夹持柄标准:刀具柄的直径公差必须达到h6
注意：不适合用于高速钢及其他钢材料的柄的夹持。

1.Balanced: G2.5; 25,000 rpm.
2.Runout (X3D): ≤0.003 mm.
3.Standard for clamped shanks: the diameter tolerance of tool shanks must be up to H6.
Note: not suitable for HSS high speed steel and other steel materials.

型号 Specification	DCONws	BD1	BD2	LPR	LSCX	LSCN	LB1	LB2	轴向调节螺钉 Axial Adjustment Screw	WT（kg）
BT40-SF4-90	4	15	20	90	-	18	31.8	55	-	1.10
BT40-SF5-90	5	15	20	90	-	18	31.8	55	-	1.10
BT40-SF6-90	6	21	27	90	36	25	37.9	56	EENQ01	1.15
BT40-SF6-130	6	21	27	130	36	25	37.9	96	EENQ01	1.20
BT40-SF6-160	6	21	27	160	36	25	37.9	126	EENQ01	1.40
BT40-SF8-90	8	21	27	90	36	25	38	56	EENQ02	1.15
BT40-SF8-130	8	21	27	130	36	25	38	96	EENQ02	1.30
BT40-SF8-160	8	21	27	160	36	25	38	126	EENQ02	1.50
BT40-SF10-90	10	24	32	90	42	31	50.7	56	EENQ03	1.20
BT40-SF10-130	10	24	32	130	42	31	50.7	96	EENQ03	1.50
BT40-SF10-160	10	24	32	160	42	31	50.7	126	EENQ03	1.80
BT40-SF12-90	12	24	32	90	47	36	50.7	56	EENQ04	1.30
BT40-SF12-130	12	24	32	120	47	36	50.7	93	EENQ04	1.60
BT40-SF12-160	12	24	32	160	47	36	50.7	123	EENQ04	1.80
BT40-SF14-90	14	27	34	90	47	36	44.5	56	EENQ05	1.30
BT40-SF16-90	16	27	34	90	50	39	44.4	56	EENQ05	1.40
BT40-SF16-130	16	27	34	130	50	39	44.4	93	EENQ05	1.70
BT40-SF16-160	16	27	34	160	50	39	44.4	123	EENQ05	1.95
BT40-SF18-90	18	33	42	90	50	39	57.1	56	EENQ06	1.50
BT40-SF20-90	20	33	42	90	52	41	57.1	56	EENQ06	1.55
BT40-SF20-130	20	33	42	130	52	41	57.1	93	EENQ06	1.85
BT40-SF20-160	20	33	42	160	52	41	57.1	123	EENQ06	2.05
BT40-SF25-100	25	44	53	100	58	47	57.1	56	EENQ06	1.65
BT40-SF25-130	25	44	53	130	58	47	57.1	93	EENQ06	1.95
BT40-SF25-160	25	44	53	160	58	47	57.1	123	EENQ06	2.20
BT50-SF6-100	6	21	27	100	36	25	39	54	EENQ01	3.70
BT50-SF6-130	6	21	27	100	36	25	39	84	EENQ01	3.70
BT50-SF6-160	6	21	27	160	36	25	39	114	EENQ01	3.88
BT50-SF8-100	8	21	27	100	36	25	39	54	EENQ02	3.60
BT50-SF8-130	8	21	27	130	36	25	39	84	EENQ02	3.60
BT50-SF8-160	8	21	27	160	36	25	39	114	EENQ02	3.90
BT50-SF10-100	10	24	32	100	42	31	52	54	EENQ03	3.65
BT50-SF10-130	10	24	32	130	42	31	52	84	EENQ03	3.65
BT50-SF10-160	10	24	32	160	42	31	52	114	EENQ03	4.00
BT50-SF12-100	12	24	32	100	47	36	52	54	EENQ04	3.70
BT50-SF12-130	12	24	32	130	47	36	52	84	EENQ04	3.70
BT50-SF12-160	12	24	32	160	47	36	52	114	EENQ04	4.10
BT50-SF14-100	14	27	34	100	47	36	52	52	EENQ05	3.70
BT50-SF16-100	16	27	34	100	50	39	45.37	52	EENQ05	3.75
BT50-SF16-130	16	27	34	130	50	39	45.37	82	EENQ05	3.75
BT50-SF16-160	16	27	34	160	50	39	45.37	112	EENQ05	4.20
BT50-SF18-100	18	33	42	100	50	39	52.78	52	EENQ06	3.75

刀具夹持 Tool Clamping

附件Accessories → EZ006

TORKOOL

BT | SF热胀刀柄 SF Shrink Fit Holder

主轴接口标准：JIS B6339

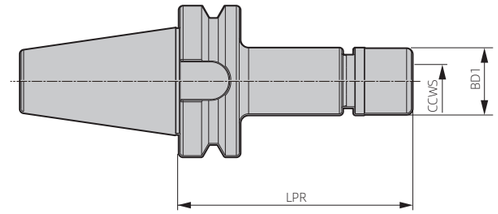
型号 Specification	DCONws	BD1	BD2	LPR	LSCX	LSCN	LB1	LB2	轴向调节螺钉 Axial Adjustment Screw	WT（kg）
BT50-SF20-100	20	33	42	100	52	41	59.1	52	EENQ06	3.80
BT50-SF20-130	20	33	42	130	52	41	59.1	82	EENQ06	3.80
BT50-SF20-160	20	33	42	160	52	41	59.1	112	EENQ06	4.30
BT50-SF25-100	25	44	53	100	58	47	57.2	52	EENQ06	3.82
BT50-SF25-130	25	44	53	100	58	47	57.2	82	EENQ06	3.82
BT50-SF25-160	25	44	53	160	58	47	59.2	112	EENQ06	4.33
BT50-SF32-100	32	44	53	100	58	47	58	52	EENQ06	4.00
BT50-SF32-130	32	44	53	100	58	47	58	82	EENQ06	4.00
BT50-SF32-160	32	44	53	160	58	47	59.1	112	EENQ06	4.70

附件Accessories → EZ006

BT | GSK精密高速筒夹刀柄 GSK Precision High-Speed Collet Holder

主轴接口标准：JIS B6339





注意：使用时夹头必须先装入螺帽,再装入刀具,然后锁紧刀柄。

Note: The holder must be loaded into the nut, then into the tool, and then locked holder.

型号 Specification	CCWS	BD1	LPR	螺帽 Nut	轴向调节螺钉 Axial Adjustment Screw	筒夹 Collet	WT(kg)
BT30-GSK6-60	6	19.5	60	GSK6	EZSWD11	SK6	0.5
BT30-GSK6-90	6	19.5	90	GSK6	EZSWD11	SK6	0.51
BT30-GSK6-120	6	19.5	120	GSK6	EZSWD11	SK6	0.52
BT30-GSK10-60	10	27.5	60	GSK10	EZSWD12	SK10	0.57
BT30-GSK10-90	10	27.5	90	GSK10	EZSWD12	SK10	0.61
BT30-GSK10-120	10	27.5	120	GSK10	EZSWD12	SK10	0.65
BT30-GSK16-60	16	40	60	GSK16	EZSWD13	SK16	0.57
BT30-GSK16-90	16	40	90	GSK16	EZSWD13	SK16	0.85
BT30-GSK16-120	16	40	120	GSK16	EZSWD13	SK16	1.14
BT30-GSK20-60	20	48	60	GSK20	EZSWD14	SK20	0.8
BT30-GSK20-90	20	48	90	GSK20	EZSWD14	SK20	1.05
BT40-GSK6-70	6	19.5	70	GSK6	EZSWD11	SK6	0.98
BT40-GSK6-90	6	19.5	90	GSK6	EZSWD11	SK6	1.03
BT40-GSK6-120	6	19.5	120	GSK6	EZSWD11	SK6	1.1
BT40-GSK10-70	10	27.5	70	GSK10	EZSWD12	SK10	1.14
BT40-GSK10-90	10	27.5	90	GSK10	EZSWD12	SK10	1.19
BT40-GSK10-120	10	27.5	120	GSK10	EZSWD12	SK10	1.31
BT40-GSK10-150	10	27.5	150	GSK10	EZSWD12	SK10	1.42
BT40-GSK16-70	16	40	70	GSK16	EZSWD13	SK16	1.22
BT40-GSK16-90	16	40	90	GSK16	EZSWD13	SK16	1.37
BT40-GSK16-120	16	40	120	GSK16	EZSWD13	SK16	1.65
BT40-GSK16-150	16	40	150	GSK16	EZSWD13	SK16	1.92
BT40-GSK20-70	20	48	70	GSK20	EZSWD14	SK20	1.4
BT40-GSK20-90	20	48	90	GSK20	EZSWD14	SK20	1.48
BT40-GSK20-120	20	48	120	GSK20	EZSWD14	SK20	1.75
BT40-GSK20-150	20	48	150	GSK20	EZSWD14	SK20	2.05
BT40-GSK25-90	25	55	90	GSK25	EZSWD15	SK25	1.61
BT40-GSK25-120	25	55	120	GSK25	EZSWD15	SK25	1.8
BT40-GSK25-150	25	55	150	GSK25	EZSWD15	SK25	2.2

筒夹Collet → EO004-005
附件Accessories → EZ003.4.6

BT | SF热胀刀柄 SF Shrink Fit Holder

主轴接口标准：JIS B6339

型号 Specification	CCWS	BD1	LPR	螺帽 Nut	轴向调节螺钉 Axial Adjustment Screw	筒夹 Collet	WT（kg）
BT50-GSK6-90	6	19.5	90	GSK6	EZSWD11	SK6	4
BT50-GSK6-120	6	19.5	120	GSK6	EZSWD11	SK6	4.2
BT50-GSK6-135	6	19.5	135	GSK6	EZSWD11	SK6	4.3
BT50-GSK6-165	6	19.5	165	GSK6	EZSWD11	SK6	4.5
BT50-GSK10-90	10	27.5	90	GSK10	EZSWD12	SK10	4.5
BT50-GSK10-120	10	27.5	120	GSK10	EZSWD12	SK10	4.6
BT50-GSK10-160	10	27.5	160	GSK10	EZSWD12	SK10	4.8
BT50-GSK10-200	10	27.5	200	GSK10	EZSWD12	SK10	5
BT50-GSK16-90	16	40	90	GSK16	EZSWD13	SK16	4.3
BT50-GSK16-120	16	40	120	GSK16	EZSWD13	SK16	4.7
BT50-GSK16-135	16	40	135	GSK16	EZSWD13	SK16	4.8
BT50-GSK16-165	16	40	165	GSK16	EZSWD13	SK16	4.9
BT50-GSK16-200	16	40	200	GSK16	EZSWD13	SK16	5.1
BT50-GSK16-250	16	40	250	GSK20	EZSWD14	SK20	5.3
BT50-GSK20-90	20	48	90	GSK20	EZSWD14	SK20	4.3
BT50-GSK20-120	20	48	120	GSK20	EZSWD14	SK20	4.7
BT50-GSK20-135	20	48	135	GSK20	EZSWD14	SK20	4.8
BT50-GSK20-165	20	48	165	GSK20	EZSWD14	SK20	4.9
BT50-GSK20-200	20	48	200	GSK20	EZSWD14	SK20	5.1
BT50-GSK20-250	20	48	250	GSK20	EZSWD14	SK20	6.3
BT50-GSK25-90	25	55	90	GSK25	EZSWD15	SK25	4.5
BT50-GSK25-120	25	55	120	GSK25	EZSWD15	SK25	4.6
BT50-GSK25-165	25	55	165	GSK25	EZSWD15	SK25	5.1
BT50-GSK25-200	25	55	200	GSK25	EZSWD15	SK25	5.4

刀具夹持 Tool Clamping

TORKOOL

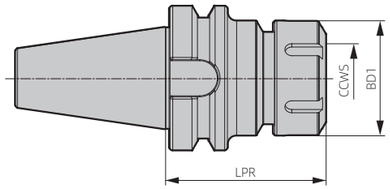
筒夹Collet → EO004-005
附件Accessories → EZ003.4.6

刀具夹持 Tool Clamping

BT | ER筒夹刀柄 ER Collet Chuck

主轴接口标准：JIS B6339





注意：使用时夹头必须先装入螺帽,再装入刀具,然后锁紧刀柄。

Note: The holder must be loaded into the nut, then into the tool, and then locked holder.

型号 Specification	CCWS	BD1	LPR	螺帽 Nut	轴向调节螺钉 Axial Adjustment Screw	筒夹 Collet	WT(kg)
BT30-ER16-70	16	28	70	CNA-ER16	EECZ07	ER16	0.52
BT30-ER16-100	16	28	100	CNA-ER16	EECZ07	ER16	0.64
BT30-ER20-70	20	34	70	CNA-ER20	EECZ08	ER20	0.59
BT30-ER20-100	20	34	100	CNA-ER20	EECZ08	ER20	0.78
BT30-ER25-70	25	42	70	CNU-M/RD-ER25	EECZ09	ER25	0.67
BT30-ER25-100	25	42	100	CNU-M/RD-ER25	EECZ09	ER25	0.97
BT30-ER32-70	32	50	70	CNU-M/RD-ER32	EECZ0b	ER32	0.75
BT30-ER32-100	32	50	100	CNU-M/RD-ER32	EECZ0b	ER32	1.18
BT40-ER16-70	16	28	70	CNA-ER16	EECZ07	ER16	1.10
BT40-ER16-100	16	28	100	CNA-ER16	EECZ07	ER16	1.19
BT40-ER16-150	16	28	150	CNA-ER16	EECZ07	ER20	1.44
BT40-ER20-70	20	34	70	CNA-ER20	EECZ08	ER20	1.22
BT40-ER20-100	20	34	100	CNA-ER20	EECZ08	ER25	1.33
BT40-ER20-150	20	34	150	CNA-ER20	EECZ08	ER25	1.66
BT40-ER25-70	25	42	70	CNU-M/RD-ER25	EECZ09	ER25	1.22
BT40-ER25-100	25	42	100	CNU-M/RD-ER25	EECZ09	ER25	1.49
BT40-ER25-150	25	42	150	CNU-M/RD-ER25	EECZ09	ER32	1.97
BT40-ER32-70	32	50	70	CNU-M/RD-ER32	EECZ0b	ER32	1.27
BT40-ER32-100	32	50	100	CNU-M/RD-ER32	EECZ0b	ER32	1.70
BT40-ER32-150	32	50	150	CNU-M/RD-ER32	EECZ0b	ER32	2.39
BT40-ER40-100	40	63	100	CNU-M/RD-ER40	EECZ0c	ER40	2.10
BT40-ER40-150	40	63	150	CNU-M/RD-ER40	EECZ0c	ER40	3.30
BT50-ER16-70	16	28	70	CNA-ER16	EECZ07	ER16	3.72
BT50-ER16-100	16	28	100	CNA-ER16	EECZ07	ER16	3.85
BT50-ER16-150	16	28	150	CNA-ER16	EECZ07	ER20	3.95
BT50-ER20-70	20	34	70	CNA-ER20	EECZ08	ER20	3.73
BT50-ER20-100	20	34	100	CNA-ER20	EECZ08	ER20	3.92
BT50-ER20-150	20	34	150	CNA-ER20	EECZ08	ER20	4.25
BT50-ER25-70	25	42	70	CNU-M/RD-ER25	EECZ09	ER25	3.75
BT50-ER25-100	25	42	100	CNU-M/RD-ER25	EECZ09	ER25	4.02
BT50-ER25-150	25	42	150	CNU-M/RD-ER25	EECZ09	ER25	4.54
BT50-ER25-200	25	42	200	CNU-M/RD-ER25	EECZ09	ER25	5.01
BT50-ER32-70	32	50	70	CNU-M/RD-ER32	EECZ0b	ER32	3.91
BT50-ER32-100	32	50	100	CNU-M/RD-ER32	EECZ0b	ER32	4.07
BT50-ER32-150	32	50	150	CNU-M/RD-ER32	EECZ0b	ER32	4.82
BT50-ER32-200	32	50	200	CNU-M/RD-ER32	EECZ0b	ER32	5.32
BT50-ER40-100	40	63	100	CNU-M/RD-ER40	EECZ0c	ER40	4.48
BT50-ER40-150	40	63	150	CNU-M/RD-ER40	EECZ0c	ER40	5.51
BT50-ER40-200	40	63	200	CNU-M/RD-ER40	EECZ0c	ER40	6.54

刀具夹持 Tool Clamping

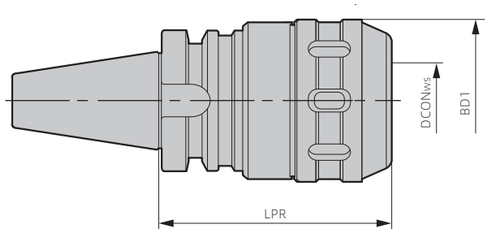
筒夹Collet → EO007-009
附件Accessories → EZ003.4.6

TORKOOL

BT | HPC 强力刀柄 HPC Power Chuck

主轴接口标准：JIS B6339





注意：被夹持柄标准:刀具柄的直径公差必须达到h6/h7。

Note: Standard for clamped Shanks: tool shanks must have a diameter tolerance of H6/h7.

型号 Specification	DCONws	BD1	LPR	适用筒夹 Suit collet	夹持范围 Clamping range	WT(kg)
BT40-HPC20-90	20	53	90	SC20	6-20	1.4
BT40-HPC25-90	25	62	90	SC25	6-25	1.9
BT40-HPC32-110	32	68	110	SC32	6-32	2.6
BT50-HPC20-95	20	53	95	SC20	6-20	4.4
BT50-HPC25-100	25	62	100	SC25	6-25	4.7
BT50-HPC32-110	32	68	110	SC32	6-32	5.2

筒夹Collet → EO006

附件Accessories → EZ004.6

BT | SLN 侧固式刀柄 SLN Side-lock Holder

主轴接口标准：JIS B6339



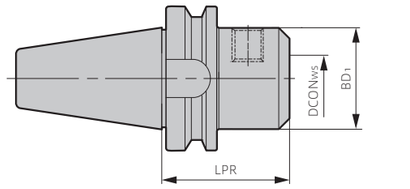


Fig1

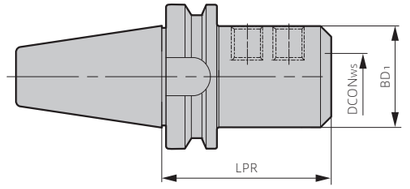


Fig2

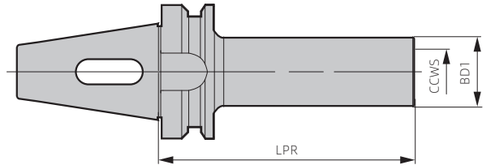
型号 Specification	图示 Fig	DCONws	BD1	LPR	侧面压紧螺钉 Side-lock Screw	扳手 Wrench	WT(kg)
BT30-SLN16-63	1	16	48	63	EDNQ0f	L060	1.10
BT30-SLN20-63	1	20	52	63	EDNQ0g	L080	1.40
BT40-SLN16-63	1	16	48	63	EDNQ0f	L060	1.38
BT40-SLN20-63	1	20	52	63	EDNQ0g	L080	1.96
BT40-SLN25-100	2	25	65	100	EDNQ0h	L080	2.62
BT40-SLN32-100	2	32	72	100	EDNQ0i	L100	3.80
BT50-SLN16-80	1	16	48	80	EDNQ0f	L060	3.61
BT50-SLN20-80	1	20	52	80	EDNQ0g	L080	3.75
BT50-SLN25-100	2	25	65	100	EDNQ0h	L080	4.80
BT50-SLN32-105	2	32	72	105	EDNQ0i	L100	5.13
BT50-SLN40-120	2	40	80	120	EDNQ0j	L100	6.14

附件Accessories → EZ006

BT | MTA锥套刀柄 MTA Morse Holder

主轴接口标准：JIS B6339





型号 Specification	CCWS	BD1	LPR	WT(kg)
BT30-MTA1-50	MT.1	25	50	0.55
BT30-MTA2-60	MT.2	32	60	0.60
BT40-MTA1-45	MT.1	25	45	1.06
BT40-MTA1-120	MT.1	25	120	1.28
BT40-MTA2-60	MT.2	32	60	1.00
BT40-MTA2-120	MT.2	32	120	1.41
BT40-MTA3-75	MT.3	40	75	1.13
BT40-MTA3-135	MT.3	40	135	1.75
BT40-MTA4-95	MT.4	48	95	1.35
BT40-MTA4-165	MT.4	48	165	2.30
BT50-MTA1-45	MT.1	25	45	3.59
BT50-MTA1-120	MT.1	25	120	3.88
BT50-MTA1-180	MT.1	25	180	4.12
BT50-MTA2-45	MT.2	32	45	3.64
BT50-MTA2-135	MT.2	32	135	4.017
BT50-MTA2-180	MT.2	32	180	4.39
BT50-MTA3-75	MT.3	40	75	3.60
BT50-MTA3-150	MT.3	40	150	4.40
BT50-MTA3-180	MT.3	40	180	4.73
BT50-MTA4-75	MT.4	48	75	3.88
BT50-MTA4-180	MT.4	48	180	5.00
BT50-MTA5-107	MT.5	63	107	3.74
BT50-MTA5-210	MT.5	63	210	4.50

附件Accessories → EZ006

BT | FM 平面铣刀柄（直柄式） FM Face Mill Holder

主轴接口标准：JIS B6339
工件侧接口标准：ISO 6462



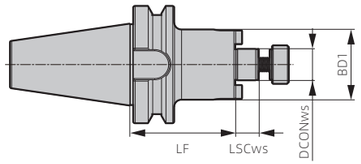


Fig1

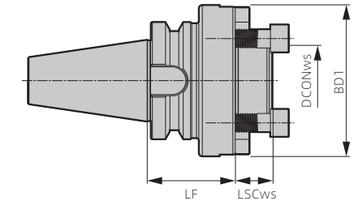


Fig2

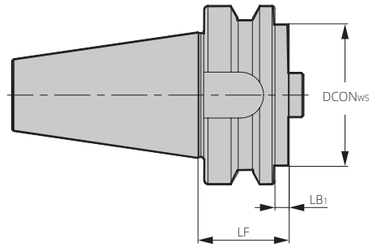
型号 Specification	图示 Fig	DCONws	BD1	LF	LSCws	刀盘安装螺钉 Clamp Screw	键销 Washer	键销螺钉 Key pin Screw	扳手 Wrench	WT(kg)
BT30-FMA16-45	1	16	38	45	17	EDNQ0x	EDNQ0w	EECZ0m	L060	0.48
BT30-FMA22-45	1	22	48	45	19	EDNQ0q	EDNQ0k	EECZ0n	L080	0.85
BT30-FMA27-45	1	27	60	45	21	EDNQ0r	EDNQ0L	EECZ0o	L100	0.94
BT40-FMA16-45	1	16	38	45	17	EDNQ0x	EDNQ0w	EECZ0m	L060	1.11
BT40-FMA16-100	1	16	38	100	17	EDNQ0x	EDNQ0w	EECZ0m	L060	1.62
BT40-FMA22-60	1	22	48	60	19	EDNQ0q	EDNQ0k	EECZ0n	L080	120
BT40-FMA22-100	1	22	48	100	19	EDNQ0q	EDNQ0k	EECZ0n	L080	2.02
BT40-FMA22-150	1	22	48	150	19	EDNQ0q	EDNQ0k	EECZ0n	L080	2.8
BT40-FMA27-60	1	27	60	60	21	EDNQ0r	EDNQ0L	EECZ0o	L100	1.34
BT40-FMA27-100	1	27	60	100	21	EDNQ0r	EDNQ0L	EECZ0o	L100	2.6
BT40-FMA27-150	1	27	60	150	21	EDNQ0r	EDNQ0L	EECZ0o	L100	3.88
BT40-FMB32-60	1	32	78	60	24	EDNQ0s	EDNQ0m	EECZ0p	L100	1.95
BT40-FMB32-100	1	32	78	100	24	EDNQ0s	EDNQ0m	EECZ0p	L100	3.01
BT40-FMB32-150	1	32	78	150	24	EDNQ0s	EDNQ0m	EECZ0p	L100	4.25
BT40-FMB40-60	1	40	89	60	27	EDNQ0t	EDNQ0n	EECZ0q	L120	2.56
BT50-FMA22-60	1	22	48	60	19	EDNQ0q	EDNQ0k	EECZ0n	L080	3.83
BT50-FMA22-100	1	22	48	100	19	EDNQ0q	EDNQ0k	EECZ0n	L080	4.45
BT50-FMA22-150	1	22	48	150	19	EDNQ0q	EDNQ0k	EECZ0n	L080	5.36
BT50-FMA22-200	1	22	48	200	19	EDNQ0q	EDNQ0k	EECZ0n	L080	5.85
BT50-FMA27-60	1	27	60	60	21	EDNQ0r	EDNQ0L	EECZ0o	L100	4.1
BT50-FMA27-100	1	27	60	100	21	EDNQ0r	EDNQ0L	EECZ0o	L100	5.15
BT50-FMA27-150	1	27	60	150	21	EDNQ0r	EDNQ0L	EECZ0o	L100	6.2
BT50-FMB32-60	1	32	78	60	24	EDNQ0s	EDNQ0m	EECZ0p	L100	4.36
BT50-FMB32-100	1	32	78	100	24	EDNQ0s	EDNQ0m	EECZ0p	L100	5.96
BT50-FMB40-90	1	40	89	90	27	EDNQ0t	EDNQ0n	EECZ0q	L120	5.65
BT50-FMC40-90	2	40	108	90	27	EDNQ0u	EDNQ0o	EECZ0q	L100	4.75
BT50-FMC60-75	2	60	129	75	38	EDNQ0u	EDNQ0p	EECZ0y	L140	7.74

附件Accessories → EZ006

BT | BT-PSC转换柄（后拉式）
BT-PSC Adapter Holder

主轴接口标准：JIS B6339





1.中心拉钉锁紧
2.仅适用于旋转刀具
3.中心通水，冷却液压力≤80bar

1.Locking with center pull stud.
2.Pyramid in the same direction before and after.
3.Central cooling supply, coolant pressure≤80bar.

型号 Specification	DCONWS	LF	LB1	WT(kg)
BT30-C32-30-C	32	30	8	0.42
BT30-C32-60-C	32	60	38	0.58
BT30-C40-60-C	40	60	38	0.67
BT30-C50-80-C	50	80	-	1.07
BT40-C32-30-C	32	30	3	0.99
BT40-C32-60-C	32	60	33	1.14
BT40-C40-30-C	40	30	3	0.95
BT40-C40-60-C	40	60	33	1.21
BT40-C50-50-C	50	50	23	1.15
BT40-C50-90-C	50	90	63	1.72
BT40-C63-75-C	63	75	-	1.74
BT50-C32-40-C	32	40	2	3.68
BT50-C32-70-C	32	70	32	3.80
BT50-C40-40-C	40	40	2	3.65
BT50-C40-70-C	40	70	32	3.88
BT50-C50-40-C	50	40	2	3.56
BT50-C50-80-C	50	80	42	4.09
BT50-C63-50-C	63	50	12	3.61
BT50-C63-100-C	63	100	62	4.71
BT50-C80-70-C	80	70	32	4.12
BT50-C80-120-C	80	120	82	5.98
BT50-C100-140-C	100	140	-	8.00

附件Accessories → EZ006



EF

SK HOLDERS
SK刀柄

Nomenclature
命名规则 **EF003-003**

EHP Hydraulic Chuck
EHP液压刀柄 **EF005-005**

SF Shrink Fit Holder
SF热胀刀柄 **EF006-007**

ER Collet Holder
ER筒夹刀柄 **EF008-008**

HPC Power Chuck
HPC强力刀柄 **EF009-009**

SLN Side-lock Holder
SLN侧固刀柄 **EF010-010**

MTA Morse Taper Holder
MTA锥套刀柄 **EF011-011**

FM Face Mill Holder
FM面铣刀柄 **EF012-012**

SK-PSC Adapter Holder (Pull-back)
SK-PSC转换柄（后拉式） **EF013-013**

命名规则
Naming rules

机床侧接口标识 Machine Tool Side Interface Identification	
C	ISO 26623-1
BT	JIS 6339-2(JD)
HSK-A	DIN69893-1
SK	DIN69871(AD)
CAT	ANSI B5.50

标称尺寸 Nominal Size
**

工件侧接口标识 Interface Identification On The Workpiece Side			
SF	DIN 1835-A（h6）	FMC	ISO 6462 C
EHP	DIN 1835-A（h6）	MTA	GB/T 1443-1
ER	DIN6499	CF	PSC径向锁紧 PSC Radial locking
SLN	DIN1835-B	C	PSC后拉锁紧 PSC Rear pull locking
HPC	DIN 1835-A（h6）		
FMA	ISO 6462 A		
FMB	ISO 6462 B		

C - 40 - SF - 6 - 75 - *** - ***

夹持口径 Clamping Caliber
**

长度 Length
**

结构特征 Structure Characteristics	
C	内冷 Internal Cooling
R	锥度 Taper
T	阻尼减振 Vibration Damping
M	端面冷却 End Face Cooling
Q	精准冷却 Precise Cooling
F	台阶 Steps
缺省 Default	

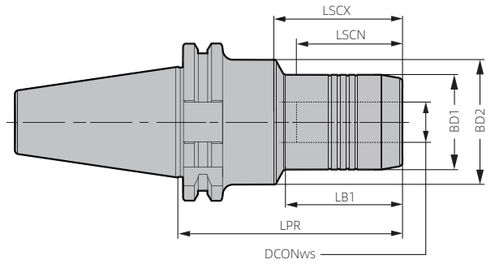
非标编号 Non Standard Number

刀具夹持 Tool Clamping

SK | EHP液压刀柄 EHP Hydraulic Chuck

主轴接口标准：DIN 69871





1.EHP刀具系列用途高转速、高精密切削加工，切削效果佳
2.动平衡设定：G2.5；20,000 rpm
3.3D处径向跳动≤0.003 mm
4.被夹持柄标准:刀具柄的直径公差必须达到h6
注意：必须满足最小夹持深度LSCN，且注意止动调节螺钉应当有效支撑刀具。

1.For high-speed and high precision cutting.
2.Balanced: G2.5; 20,000 rpm.
3.Runout (X3D): ≤0.003 mm.
4. Standard for clamped shanks: the diameter tolerance of tool shanks must be up to H6.
Note: the minimum clamping depth LSCN must be met, and note that the stop adjusting screw should effectively support the tool.

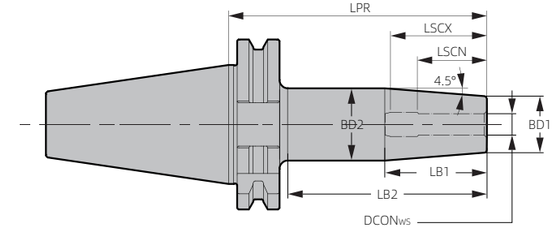
型号 Specification	DCONws	BD1	BD2	LPR	LSCX	LSCN	LB1	轴向调节螺钉 Axial Adjustment Screw	WT（kg）
SK40-EHP6-80.5	6	26	50	80.5	37	26	29.5	EDST0c	1.20
SK40-EHP8-80.5	8	28	50	80.5	37	26	30	EDST0d	1.25
SK40-EHP10-80.5	10	30	50	80.5	41	30	31	EDST0e	1.25
SK40-EHP12-80.5	12	32	50	80.5	46	36	31.5	EDST14	1.30
SK40-EHP16-80.5	16	38	50	80.5	49	40	33	EDST0e	1.40
SK40-EHP20-80.5	20	42	50	80.5	51	40	34	EDST0e	1.35
SK40-EHP25-80.5	25	57	72	80.5	57	48.5	25.5	EDST0f	1.75
SK40-EHP32-80.5	32	63	80	80.5	61	53	25.5	EDST0f	1.80
SK50-EHP20-80.5	20	42	50	80.5	51	40	34	EDST0e	3.10

简夹Collet → EO003
附件Accessories → EZ007

SK | SF热胀刀柄 SF Shrink Fit Holder

主轴接口标准：DIN 69871





1.动平衡设定：G2.5；25,000 rpm
2.3D处径向跳动≤0.003 mm
3.被夹持柄标准:刀具柄的直径公差必须达到h6
注意：不适合用于高速钢及其他钢材料的柄的夹持。

1.Balanced: G2.5; 25,000 rpm.
2.Runout (X3D): ≤0.003 mm.
3.Standard for clamped shanks: the diameter tolerance of tool shanks must be up to H6.
Note: not suitable for HSS high speed steel and other steel materials.

型号 Specification	DCONws	BD1	BD2	LPR	LSCX	LSCN	LB1	LB2	轴向调节螺钉 Axial Adjustment Screw	WT（kg）
SK30-SF4-80	4	10	16	80	-	12	31.77	52	-	0.35
SK30-SF5-80	5	10	16	80	-	15	-	-	-	0.40
SK30-SF6-80	6	21	27	80	36	26	38.12	53	EEYH01	0.43
SK30-SF8-80	8	21	27	80	36	26	38.12	53	EEYH02	0.45
SK30-SF10-80	10	24	32	80	42	32	50.82	55	EEYH03	0.50
SK30-SF12-80	12	24	32	80	47	37	50.82	55	EEYH04	0.55
SK30-SF16-80	16	27	34	80	50	40	44.47	55	EEYH05	0.62
SK40-SF4-90	4	10	16	90	-	12	31.76	58	-	1.10
SK40-SF5-90	5	10	16	90	-	15	31.76	58	-	1.00
SK40-SF6-90	6	21	27	90	36	26	38.12	55	EEYH01	1.15
SK40-SF6-130	6	21	27	130	36	26	38.12	95	EEYH01	1.20
SK40-SF6-160	6	21	27	160	36	26	38.12	125	EEYH01	1.40
SK40-SF6-200	6	21	27	200	36	26	38.12	165	EEYH01	1.90
SK40-SF8-90	8	21	27	90	36	26	38.12	55	EEYH02	1.15
SK40-SF8-130	8	21	27	130	36	26	38.12	95	EEYH02	1.30
SK40-SF8-160	8	21	27	160	36	26	38.12	125	EEYH02	1.50
SK40-SF8-200	8	21	27	200	36	26	38.12	165	EEYH02	1.90
SK40-SF10-90	10	24	32	90	42	32	50.82	58	EEYH03	1.20
SK40-SF10-130	10	24	32	130	42	32	50.82	98	EEYH03	1.50
SK40-SF10-160	10	24	32	160	42	32	50.82	128	EEYH03	1.80
SK40-SF10-200	10	24	32	200	42	32	50.82	168	EEYH03	1.90
SK40-SF12-90	12	24	32	90	47	37	50.82	58	EEYH04	1.30
SK40-SF12-130	12	24	32	130	47	37	50.82	98	EEYH04	1.60
SK40-SF12-160	12	24	32	160	47	37	50.82	128	EEYH04	1.80
SK40-SF12-200	12	24	32	200	47	37	50.82	168	EEYH04	2.00
SK40-SF14-90	14	27	34	90	47	37	44.47	58	EEYH04	1.30
SK40-SF14-130	14	27	34	130	47	37	44.47	98	EEYH04	1.60
SK40-SF14-160	14	27	34	160	47	37	44.47	128	EEYH04	1.80
SK40-SF14-200	14	27	34	200	47	37	44.47	168	EEYH04	2.00
SK40-SF16-90	16	27	34	90	50	40	44.47	58	EEYH05	1.40
SK40-SF16-130	16	27	34	130	50	40	44.47	98	EEYH05	1.70
SK40-SF16-160	16	27	34	160	50	40	44.47	128	EEYH05	1.95
SK40-SF16-200	16	27	34	200	50	40	44.47	168	EEYH05	2.20
SK40-SF18-90	18	33	42	90	50	40	57.18	60	EEYH05	1.50
SK40-SF18-130	18	33	42	130	50	40	57.18	100	EEYH05	1.80
SK40-SF18-160	18	33	42	160	50	40	57.18	130	EEYH05	2.00
SK40-SF18-200	18	33	42	200	50	40	57.18	170	EEYH05	2.30
SK40-SF20-90	20	33	42	90	52	42	57.18	60	EEYH06	1.55
SK40-SF20-130	20	33	42	130	52	42	57.18	100	EEYH06	1.85
SK40-SF20-160	20	33	42	160	52	42	57.18	130	EEYH06	2.05
SK40-SF20-200	20	33	42	200	52	42	57.18	170	EEYH06	2.35
SK40-SF25-100	25	44	53	100	58	48	57.18	70	EEYH06	1.65

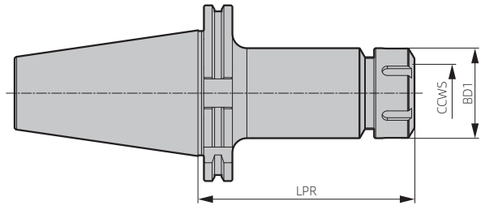
附件Accessories → EZ007

型号 Specification	DCONws	BD1	BD2	LPR	LSCX	LSCN	LB1	LB2	轴向调节螺钉 Axial Adjustment Screw	WT（kg）
SK40-SF25-130	25	44	53	130	58	48	57.18	100	EEYH06	1.90
SK40-SF25-160	25	44	53	160	58	48	57.18	130	EEYH06	2.20
SK40-SF25-200	25	44	53	200	58	48	57.18	160	EEYH06	2.50
SK40-SF32-100	32	44	53	100	58	48	57.18	70	EEYH06	2.00
SK40-SF32-130	32	44	53	130	58	48	57.18	100	EEYH06	2.30
SK40-SF32-160	32	44	53	160	58	48	57.18	130	EEYH06	2.60
SK50-SF6-100	6	21	27	100	36	26	38.12	52	EEYH01	3.70
SK50-SF6-130	6	21	27	130	36	26	38.12	82	EEYH01	3.80
SK50-SF6-160	6	21	27	160	36	26	38.12	112	EEYH01	3.88
SK50-SF6-200	6	21	27	200	36	26	38.12	152	EEYH01	4.00
SK50-SF8-100	8	21	27	100	36	26	38.12	52	EEYH02	3.60
SK50-SF8-130	8	21	27	130	36	26	38.12	82	EEYH02	3.70
SK50-SF8-160	8	21	27	160	36	26	38.12	112	EEYH02	3.90
SK50-SF8-200	8	21	27	200	36	26	38.12	152	EEYH02	4.00
SK50-SF10-100	10	24	32	100	42	32	50.85	54	EEYH03	3.65
SK50-SF10-130	10	24	32	130	42	32	50.85	84	EEYH03	3.78
SK50-SF10-160	10	24	32	160	42	32	50.85	114	EEYH03	4.00
SK50-SF10-200	10	24	32	200	42	32	50.85	154	EEYH03	4.15
SK50-SF12-100	12	24	32	100	47	37	50.85	59	EEYH04	3.70
SK50-SF12-130	12	24	32	130	47	37	50.85	89	EEYH04	3.80
SK50-SF12-160	12	24	32	160	47	37	50.85	119	EEYH04	4.10
SK50-SF12-200	12	24	32	200	47	37	50.85	159	EEYH04	4.25
SK50-SF14-100	14	27	34	100	47	37	44.47	52	EEYH04	3.70
SK50-SF14-130	14	27	34	130	47	37	44.47	82	EEYH04	3.80
SK50-SF14-160	14	27	34	160	47	37	44.47	112	EEYH04	4.10
SK50-SF14-200	14	27	34	200	47	37	44.47	152	EEYH04	4.25
SK50-SF16-100	16	27	34	100	50	40	44.47	52	EEYH05	3.75
SK50-SF16-130	16	27	34	130	50	40	44.47	82	EEYH05	3.88
SK50-SF16-160	16	27	34	160	50	40	44.47	112	EEYH05	4.20
SK50-SF16-200	16	27	34	200	50	40	44.47	152	EEYH05	4.50
SK50-SF18-100	18	33	42	100	50	40	57.18	59	EEYH05	3.75
SK50-SF18-130	18	33	42	130	50	40	57.18	89	EEYH05	3.88
SK50-SF18-160	18	33	42	160	50	40	57.18	119	EEYH05	4.20
SK50-SF18-200	18	33	42	200	50	40	57.18	159	EEYH05	4.50
SK50-SF20-100	20	33	42	100	52	42	57.18	59	EEYH06	3.80
SK50-SF20-130	20	33	42	130	52	42	57.18	89	EEYH06	4.00
SK50-SF20-160	20	33	42	160	52	42	57.18	119	EEYH06	4.30
SK50-SF20-200	20	33	42	200	52	42	57.18	159	EEYH06	4.60
SK50-SF25-100	25	44	53	100	58	48	57.18	59	EEYH06	3.82
SK50-SF25-130	25	44	53	130	58	48	57.18	89	EEYH06	4.05
SK50-SF25-160	25	44	53	160	58	48	57.18	119	EEYH06	4.33
SK50-SF25-200	25	44	53	200	58	48	57.18	159	EEYH06	4.65
SK50-SF32-100	32	44	53	100	58	48	57.18	59	EEYH06	4.00
SK50-SF32-130	32	44	53	130	58	48	57.18	89	EEYH06	4.40
SK50-SF32-160	32	44	53	160	58	48	57.18	119	EEYH06	4.70
SK50-SF32-200	32	44	53	200	58	48	57.18	159	EEYH06	5.00

SK ER筒夹刀柄 ER Collet Holder

主轴接口标准：DIN 69871





注意：使用时夹头必须先装入螺帽,再装入刀具,然后锁紧刀柄。

Note: The holder must be loaded into the nut, then into the tool, and then locked holder.

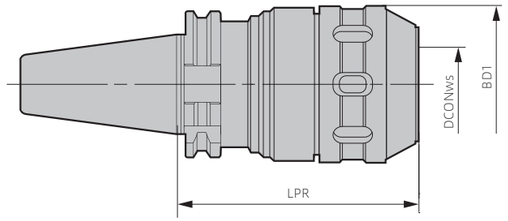
型号 Specification	CCWS	BD1	LPR	螺帽 Nut	轴向调节螺钉 Axial Adjustment Screw	筒夹 Collet	WT(kg)
SK40-ER16-70	16	28	70	CNA-ER16	EDNQ08	ER16	1.04
SK40-ER16-100	16	28	100	CNA-ER16	EDNQ08	ER16	1.02
SK40-ER16-150	16	28	150	CNA-ER16	EDNQ08	ER16	1.52
SK40-ER20-70	20	34	70	CNA-ER20	EDNQ09	ER20	1.06
SK40-ER20-100	20	34	100	CNA-ER20	EDNQ09	ER20	1.38
SK40-ER20-150	20	34	150	CNA-ER20	EDNQ09	ER20	1.65
SK40-ER25-70	20	42	70	CNA-ER20	EDNQ0A	ER20	1.14
SK40-ER25-100	20	42	100	CNA-ER20	EDNQ0A	ER20	1.43
SK40-ER25-150	25	42	150	CNU-M/RD-ER25	EDNQ0A	ER25	2.00
SK40-ER25-200	25	42	200	CNU-M/RD-ER25	EDNQ0A	ER25	2.57
SK40-ER32-70	32	50	70	CNU-M/RD-ER32	EDNQ0C	ER32	1.24
SK40-ER32-100	32	50	100	CNU-M/RD-ER32	EDNQ0C	ER32	1.67
SK40-ER32-150	32	50	150	CNU-M/RD-ER32	EDNQ0C	ER32	2.25
SK40-ER32-200	32	50	200	CNU-M/RD-ER32	EDNQ0C	ER32	2.83
SK40-ER40-100	40	63	100	CNU-M/RD-ER40	EDNQ0D	ER40	1.60
SK50-ER16-70	16	28	70	CNA-ER16	EDNQ08	ER16	2.75
SK50-ER16-100	16	28	100	CNA-ER16	EDNQ08	ER16	3.00
SK50-ER16-150	16	28	150	CNA-ER16	EDNQ08	ER16	3.30
SK50-ER20-70	20	34	70	CNA-ER20	EDNQ09	ER20	2.80
SK50-ER20-100	20	34	100	CNA-ER20	EDNQ09	ER20	3.05
SK50-ER20-150	20	34	150	CNA-ER20	EDNQ09	ER20	3.35
SK50-ER25-70	25	42	70	CNU-M/RD-ER25	EDNQ0A	ER25	2.90
SK50-ER25-100	25	42	100	CNU-M/RD-ER25	EDNQ0A	ER25	3.20
SK50-ER25-150	25	42	150	CNU-M/RD-ER25	EDNQ0A	ER25	3.75
SK50-ER25-200	25	42	150	CNU-M/RD-ER25	EDNQ0A	ER25	4.30
SK50-ER32-70	32	50	70	CNU-M/RD-ER32	EDNQ0C	ER32	2.90
SK50-ER32-100	32	50	100	CNU-M/RD-ER32	EDNQ0C	ER32	3.35
SK50-ER32-150	32	50	150	CNU-M/RD-ER32	EDNQ0C	ER32	4.15
SK50-ER32-200	32	50	150	CNU-M/RD-ER32	EDNQ0C	ER32	4.95
SK50-ER40-150	40	63	150	CNU-M/RD-ER40	EDNQ0D	ER40	3.80
							5.15

筒夹Collet → EO007-009
附件Accessories → EZ003.4.7

SK | HPC强力刀柄 HPC Power Chuck

主轴接口标准：DIN 69871





注意：被夹持柄标准:刀具柄的直径公差必须达到h6/h7。

Note: Standard for clamped Shanks: tool shanks must have a diameter tolerance of H6/h7.

型号 Specification	DCONws	BD1	LPR	适用筒夹 Suit collet	夹持范围 Clamping range	WT(kg)
SK40-HPC20-105	20	53	105	SC20	6-20	1.7
SK40-HPC25-105	25	62	105	SC25	6-25	2.2
SK40-HPC32-105	32	68	105	SC32	6-32	2.5
SK50-HPC20-105	20	53	105	SC20	6-20	4.4
SK50-HPC25-105	25	62	105	SC25	6-25	4.7
SK50-HPC32-105	32	68	105	SC32	6-32	5.1

筒夹Collet → EO006
附件Accessories → EZ004.7

SK | SLN侧固刀柄 SLN Side-lock Holder

主轴接口标准：DIN 69871



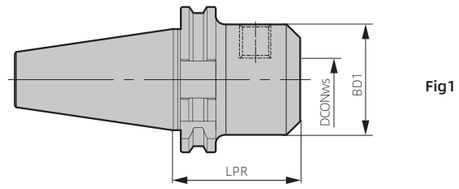


Fig1

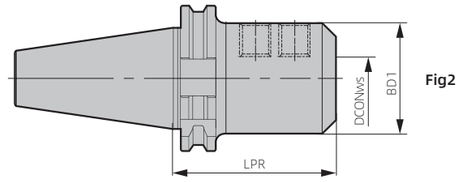


Fig2

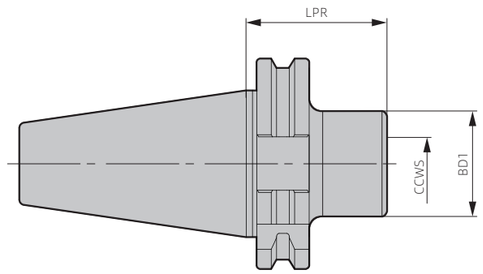
型号 Specification	图 Fig	DCONws	BD1	LPR	侧面压紧螺钉 Side-lock Screw	扳手 Wrench	WT(kg)
SK40-SLN16-63	1	16	48	63	EDNQ0f	L060	1.29
SK40-SLN20-63	1	20	52	63	EDNQ0g	L080	1.30
SK40-SLN25-100	2	25	65	100	EDNQ0h	L080	2.36
SK40-SLN32-100	2	32	72	100	EDNQ0i	L100	2.53
SK50-SLN16-63	1	16	48	63	EDNQ0f	L060	3.05
SK50-SLN20-63	1	20	52	63	EDNQ0g	L080	3.10
SK50-SLN25-100	2	25	65	100	EDNQ0h	L080	4.20
SK50-SLN32-100	2	32	72	100	EDNQ0i	L100	4.49
SK50-SLN40-110	2	40	80	110	EDNQ0j	L100	5.20

附件Accessories → EZ007

SK | MTA锥套刀柄 MTA Morse Holder

主轴接口标准：DIN 69871





型号 Specification	CCWS	BD1	LPR	WT(kg)
SK40-MTA1-50	MT.1	25	50	0.90
SK40-MTA2-60	MT.2	32	60	1.00
SK40-MTA3-70	MT.3	40	70	1.10
SK50-MTA1-50	MT.1	25	50	3.50
SK50-MTA2-50	MT.2	32	50	3.60
SK50-MTA3-65	MT.3	40	65	3.65
SK50-MTA4-90	MT.4	48	90	3.95
SK50-MTA5-120	MT.5	63	120	4.20

附件Accessories → EZ007

刀具夹持 Tool Clamping

SK | FM面铣刀柄 FM Face Mill Holder

主轴接口标准：DIN 69871



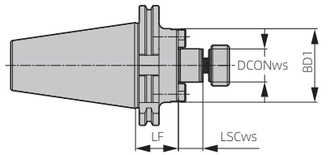


Fig1

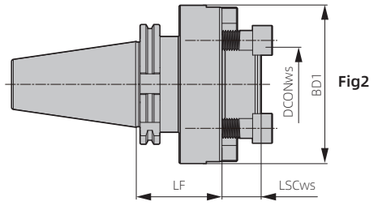


Fig2

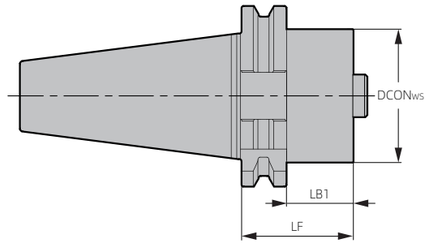
型号 Specification	图 Fig	DCONws	BD1	LSCws	LF	刀盘安装螺钉 Clamp Screw	键销 Washer	键销螺钉 Key pin Screw	扳手 Wrench	WT(kg)
SK40-FMA16-60	1	16	38	60	17	EDNQ0x	EDNQ0w	EECZ0m	L060	0.93
SK40-FMA16-100	1	16	38	100	17	EDNQ0x	EDNQ0w	EECZ0m	L060	1.30
SK40-FMA22-60	1	22	48	60	19	EDNQ0q	EDNQ0k	EECZ0n	L080	1.08
SK40-FMA22-100	1	22	48	100	19	EDNQ0q	EDNQ0k	EECZ0n	L080	1.60
SK40-FMA27-60	1	27	60	60	21	EDNQ0r	EDNQ0L	EECZ0o	L100	1.45
SK40-FMA27-100	1	27	60	100	21	EDNQ0r	EDNQ0L	EECZ0o	L100	2.21
SK40-FMB32-60	1	32	78	60	24	EDNQ0s	EDNQ0m	EECZ0p	L100	1.80
SK40-FMB40-60	1	40	89	60	27	EDNQ0t	EDNQ0n	EECZ0q	L120	2.37
SK40-FMC40-60	2	40	108	60	27	EDNQ0u	EDNQ0o	EECZ0q	L100	2.55
SK50-FMA16-50	1	16	38	50	17	EDNQ0x	EDNQ0w	EECZ0m	L060	2.80
SK50-FMA16-100	1	16	38	100	17	EDNQ0x	EDNQ0w	EECZ0m	L060	3.70
SK50-FMA22-50	1	22	48	50	19	EDNQ0q	EDNQ0k	EECZ0n	L080	2.90
SK50-FMA22-100	1	22	48	100	19	EDNQ0q	EDNQ0k	EECZ0n	L080	3.75
SK50-FMA22-150	1	22	48	150	19	EDNQ0q	EDNQ0k	EECZ0n	L080	4.60
SK50-FMA27-50	1	27	60	50	21	EDNQ0r	EDNQ0L	EECZ0o	L100	2.98
SK50-FMA27-100	1	27	60	100	21	EDNQ0r	EDNQ0L	EECZ0o	L100	4.44
SK50-FMA27-150	1	27	60	150	21	EDNQ0r	EDNQ0L	EECZ0o	L100	5.68
SK50-FMB32-60	1	32	78	60	24	EDNQ0s	EDNQ0m	EECZ0p	L100	3.34
SK50-FMB32-100	1	32	78	100	24	EDNQ0s	EDNQ0m	EECZ0p	L100	5.64
SK50-FMB40-60	1	40	89	60	27	EDNQ0t	EDNQ0n	EECZ0q	L120	4.24

附件Accessories → EZ007

SK | SK-PSC转换柄（后拉式）
SK-PSC Adapter Holder

主轴接口标准：DIN 69871





1.中心拉钉锁紧
2.仅适用于旋转刀具
3.中心通水，冷却液压力≤80bar

1.Locking with center pull stud.
2.Pyramid in the same direction before and after.
3.Central cooling supply, coolant pressure≤80bar.

型号 Specification	DCONWS	LB1	LF	WT(kg)
SK40-C32-30-C	32	10.9	30	0.87
SK40-C32-60-C	32	40.9	60	1.02
SK40-C40-30-C	40	10.9	30	0.86
SK40-C40-60-C	40	40.9	60	1.12
SK40-C50-60-C	50	40.9	60	0.96
SK40-C50-80-C	50	60.9	80	1.52
SK40-C63-85-C	63	65.9	85	1.84
SK50-C32-30-C	32	10.9	30	2.73
SK50-C32-60-C	32	40.9	60	2.86
SK50-C40-30 -C	40	10.9	30	2.74
SK50-C40-60-C	40	40.9	60	2.96
SK50-C50-30 -C	50	10.9	30	2.70
SK50-C50-70 -C	50	50.9	70	3.21
SK50-C63-50 -C	63	30.9	50	2.62
SK50-C63-100 -C	63	80.9	100	3.71
SK50-C80-70 -C	80	50.9	70	3.83
SK50-C80-120 -C	80	100.9	120	5.69
SK50-C100-140 -C	100	-	140	7.66

附件Accessories → EZ007



EG

CAT HOLDERS
CAT刀柄

Nomenclature
命名规则 **EG003-003**

SF Shrink Fit Holder(Inch)
SF热胀刀柄（英制） **EG005-005**

SF Shrink Fit Holder(Metric)
SF热胀刀柄（公制） **EG006-007**

ER Collet Holder(Inch)
ER筒夹刀柄（英制） **EG008-008**

ER Collet Holder(Metric)
ER筒夹刀柄（公制） **EG009-009**

SLN Side-lock Holder(Inch)
SLN侧固刀柄（英制） **EG010-010**

SLN Side-lock Holder(Metric)
SLN侧固刀柄（公制） **EG011-011**

FM Face Mill Holder(Inch)
FM面铣刀柄（英制） **EG012-012**

FM Face Mill Holder(Metric)
FM面铣刀柄（公制） **EG013-013**

命名规则
Naming rules

机床侧接口标识 Machine Tool Side Interface Identification	
C	ISO 26623-1
BT	JIS 6339-2(JD)
HSK-A	DIN69893-1
SK	DIN69871(AD)
CAT	ANSI B5.50

标称尺寸 Nominal Size
**

工件侧接口标识 Interface Identification On The Workpiece Side			
SF	DIN 1835-A（h6）	FMC	ISO 6462 C
EHP	DIN 1835-A（h6）	MTA	GB/T 1443-1
ER	DIN6499	CF	PSC径向锁紧 PSC Radial locking
SLN	DIN1835-B	C	PSC后拉锁紧 PSC Rear pull locking
HPC	DIN 1835-A（h6）		
FMA	ISO 6462 A		
FMB	ISO 6462 B		

C **40** - **SF** **6** - **75** - ******* - *******

夹持口径 Clamping Caliber
**

长度 Length
**

结构特征 Structure Characteristics	
C	内冷 Internal Cooling
R	锥度 Taper
T	阻尼减振 Vibration Damping
M	端面冷却 End Face Cooling
Q	精准冷却 Precise Cooling
F	台阶 Steps
缺省 Default	

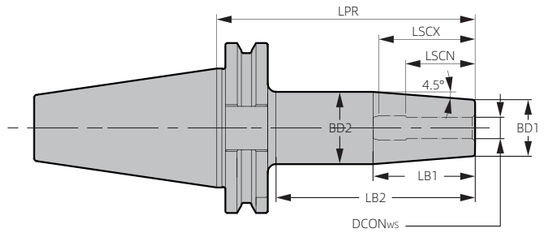
非标编号 Non Standard Number

刀具夹持 Tool Clamping

CAT | SF热胀刀柄（英制）
SF Shrink Fit Holder(Inch)

主轴接口标准：ANSI B5.50





1.动平衡设定: G2.5；25,000 rpm
2.3D处径向跳动≤0.003 mm
3.被夹持柄标准:刀具柄的直径公差必须达到h6
注意：不适合用于高速钢及其他钢材料的柄的夹持。

1.Balanced: G2.5; 25,000 rpm.
2.Runout (X3D): ≤0.003 mm.
3.Standard for clamped shanks: the diameter tolerance of tool shanks must be up to H6.
Note: not suitable for HSS high speed steel and other steel materials.

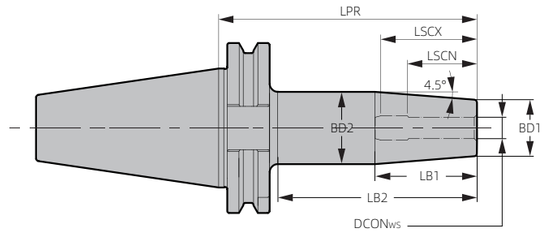
型号 Specification	DCONWS	BD1	BD2	LPR	LSCX	LSCN	LB1	LB2	轴向调节螺钉 Axial Adjustment Screw	WT（kg）
CAT40-SF1/4-3.15"	1/4"	0.83"	1.06"	3.15"	1.42"	1.03"	1.47"	2.40"	EGNK01	1.10
CAT40-SF5/16-3.15"	5/16"	0.83"	1.06"	3.15"	1.42"	1.03"	1.47"	2.40"	EGNK02	1.15
CAT40-SF3/8-3.15"	3/8"	0.94"	1.26"	3.15"	1.65"	1.26"	2.04"	2.40"	EGNK03	1.15
CAT40-SF1/2-3.15"	1/2"	1.06"	1.34"	3.15"	1.85"	1.46"	1.78"	2.40"	EGNK04	1.20
CAT40-SF5/8-3.15"	5/8"	1.06"	1.34"	3.15"	1.97"	1.58"	1.78"	2.40"	EGNK05	1.30
CAT40-SF3/4-3.15"	3/4"	1.30"	1.65"	3.15"	2.05"	1.66"	2.23"	2.40"	EGNK06	1.30
CAT40-SF1-3.94"	1"	1.73"	2.09"	3.94"	2.44"	2.05"	2.29"	2.56"	EGNK06	1.40
CAT50-SF1/4-3.15"	1/4"	0.83"	1.06"	3.15"	1.42"	1.03"	1.47"	2.36"	EGNK01	3.50
CAT50-SF3/8-3.15"	3/8"	0.94"	1.26"	3.15"	1.65"	1.26"	2.04"	2.36"	EGNK03	3.60
CAT50-SF1/2-3.15"	1/2"	1.06"	1.34"	3.15"	1.85"	1.46"	1.78"	2.36"	EGNK04	3.70
CAT50-SF5/8-3.15"	5/8"	1.06"	1.34"	3.15"	1.97"	1.58"	1.78"	2.36"	EGNK05	3.75
CAT50-SF3/4-3.15"	3/4"	1.30"	1.65"	3.15"	2.05"	1.66"	2.23"	2.36"	EGNK06	3.75
CAT50-SF1-3.94"	1"	1.73"	2.09"	3.94"	2.44"	2.05"	2.29"	2.75"	EGNK06	3.75
CAT50-SF1-1/4-3.94"	1-1/4"	1.73"	2.09"	3.94"	2.44"	2.05"	2.29"	2.75"	EGNK06	3.80

附件Accessories → EZ007

CAT | SF热胀刀柄（公制）
SF Shrink Fit Holder(Metric)

主轴接口标准：ANSI B5.50





1.动平衡设定: G2.5；25,000 rpm
2.3D处径向跳动≤0.003 mm
3.被夹持柄标准:刀具柄的直径公差必须达到h6
注意：不适合用于高速钢及其他钢材料的柄的夹持。

1.Balanced: G2.5; 25,000 rpm.
2.Runout (X3D): ≤0.003 mm.
3.Standard for clamped shanks: the diameter tolerance of tool shanks must be up to H6.
Note: not suitable for HSS high speed steel and other steel materials.

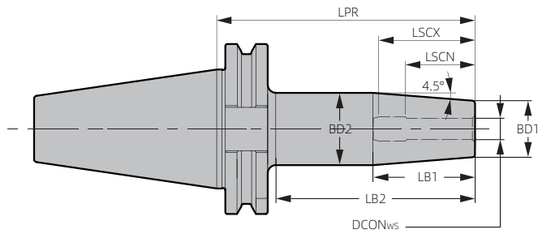
型号 Specification	DCONWS	BD1	BD2	LPR	LSCX	LSCN	LB1	LB2	轴向调节螺钉 Axial Adjustment Screw	WT（kg）
CAT40-SF3-80	3	15	20	80	-	18	31.8	60.9	-	0.98
CAT40-SF4-80	4	15	20	80	-	18	31.8	60.9	-	1.10
CAT40-SF5-80	5	15	20	80	-	18	31.8	60.9	-	1.10
CAT40-SF6-80	6	21	27	80	36	25	38.2	60.9	EGYH01	1.15
CAT40-SF6-120	6	21	27	120	36	25	38.2	100.9	EGYH01	1.20
CAT40-SF6-160	6	21	27	160	36	25	38.2	140.9	EGYH01	1.40
CAT40-SF8-80	8	21	27	80	36	25	38.2	60.9	EGYH02	1.15
CAT40-SF8-120	8	21	27	120	36	25	38.2	100.9	EGYH02	1.30
CAT40-SF8-160	8	21	27	160	36	25	38.2	140.9	EGYH02	1.50
CAT40-SF10-80	10	24	31	80	42	31	44.6	60.9	EGYH03	1.20
CAT40-SF10-120	10	24	31	120	42	31	44.6	100.9	EGYH03	1.50
CAT40-SF10-160	10	24	31	160	42	31	44.6	140.9	EGYH03	1.80
CAT40-SF12-80	12	24	31	80	47	36	44.6	60.9	EGYH04	1.30
CAT40-SF12-120	12	24	31	120	47	36	44.6	100.9	EGYH04	1.60
CAT40-SF12-160	12	24	31	160	47	36	44.6	140.9	EGYH04	1.80
CAT40-SF14-80	14	27	34	80	47	36	44.5	60.9	EGYH04	1.30
CAT40-SF14-120	14	27	34	120	47	36	44.5	100.9	EGYH04	1.70
CAT40-SF14-160	14	27	34	160	47	36	44.5	140.9	EGYH04	1.90
CAT40-SF16-80	16	27	34	80	50	39	44.5	60.9	EGYH05	1.40
CAT40-SF16-120	16	27	34	120	50	39	44.5	100.9	EGYH05	1.70
CAT40-SF16-160	16	27	34	160	50	39	44.5	140.9	EGYH05	1.95
CAT40-SF18-80	18	33	40	80	50	39	38.2	60.9	EGYH05	1.50
CAT40-SF18-120	18	33	40	120	50	39	38.2	100.9	EGYH05	1.85
CAT40-SF18-160	18	33	40	160	50	39	38.2	140.9	EGYH05	2.01
CAT40-SF20-80	20	33	40	80	52	41	38.2	60.9	EGYH06	1.55
CAT40-SF20-120	20	33	40	120	52	41	38.2	100.9	EGYH06	1.85
CAT40-SF20-160	20	33	40	160	52	41	38.2	140.9	EGYH06	2.05
CAT40-SF25-100	25	44	50	100	58	47	38.2	80.9	EGYH06	1.65
CAT40-SF25-120	25	44	50	120	58	47	38.2	100.9	EGYH06	1.95
CAT40-SF25-160	25	44	50	160	58	47	38.2	140.9	EGYH06	2.20
CAT40-SF32-100	32	44	50	100	62	51	38.2	80.9	EGYH06	2.20
CAT40-SF32-160	32	44	50	160	62	51	38.2	140.9	EGYH06	2.42
CAT50-SF6-80	6	21	27	80	36	25	38.2	60.9	EGYH01	3.50
CAT50-SF6-120	6	21	27	120	36	25	38.2	100.9	EGYH01	3.70
CAT50-SF6-160	6	21	27	160	36	25	38.2	140.9	EGYH01	3.88
CAT50-SF6-200	6	21	27	200	36	25	38.2	180.9	EGYH01	4.00
CAT50-SF8-80	8	21	27	80	36	25	38.2	60.9	EGYH02	3.60
CAT50-SF8-120	8	21	27	120	36	25	38.2	100.9	EGYH02	3.60
CAT50-SF8-160	8	21	27	160	36	25	38.2	140.9	EGYH02	3.90
CAT50-SF8-200	8	21	27	200	36	25	38.2	180.9	EGYH02	4.10
CAT50-SF10-80	10	24	31	80	42	31	44.6	60.9	EGYH03	3.70
CAT50-SF10-120	10	24	31	120	42	31	44.6	100.9	EGYH03	3.65

附件Accessories → EZ007

CAT | SF热胀刀柄（公制）
SF Shrink Fit Holder(Metric)

主轴接口标准：ANSI B5.50





1.动平衡设定: G2.5；25,000 rpm
2.3D处径向跳动≤0.003 mm
3.被夹持柄标准:刀具柄的直径公差必须达到h6
注意：不适合用于高速钢及其他钢材料的柄的夹持。

1.Balanced: G2.5; 25,000 rpm.
2.Runout (X3D): ≤0.003 mm.
3.Standard for clamped shanks: the diameter tolerance of tool shanks must be up to H6.
Note: not suitable for HSS high speed steel and other steel materials.

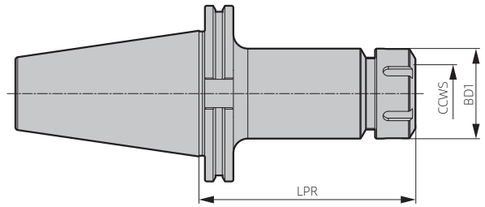
型号 Specification	DCONws	BD1	BD2	LPR	LSCX	LSCN	LB1	LB2	轴向调节螺钉 Axial Adjustment Screw	WT（kg）
CAT50-SF10-160	10	24	31	160	42	31	44.6	140.9	EGYH03	4.00
CAT50-SF10-200	10	24	31	200	42	31	44.6	180.9	EGYH03	4.20
CAT50-SF12-80	12	24	31	80	47	36	44.6	60.9	EGYH04	3.75
CAT50-SF12-120	12	24	31	120	47	36	44.6	100.9	EGYH04	3.70
CAT50-SF12-160	12	24	31	160	47	36	44.6	140.9	EGYH04	4.10
CAT50-SF12-200	12	24	31	200	47	36	44.6	180.9	EGYH04	4.31
CAT50-SF14-80	14	27	34	80	47	36	44.5	60.9	EGYH04	3.75
CAT50-SF14-120	14	27	34	120	47	36	44.5	100.9	EGYH04	3.75
CAT50-SF14-160	14	27	34	160	47	36	44.5	140.9	EGYH04	4.10
CAT50-SF14-200	14	27	34	200	47	36	44.5	180.9	EGYH04	4.31
CAT50-SF16-80	16	27	34	80	50	39	44.5	60.9	EGYH05	3.75
CAT50-SF16-120	16	27	34	120	50	39	44.5	100.9	EGYH05	3.75
CAT50-SF16-160	16	27	34	160	50	39	44.5	140.9	EGYH05	4.20
CAT50-SF16-200	16	27	34	200	50	39	44.5	180.9	EGYH05	4.50
CAT50-SF18-80	18	33	40	80	50	39	38.2	60.9	EGYH05	3.80
CAT50-SF18-120	18	33	40	120	50	39	38.2	100.9	EGYH05	3.80
CAT50-SF18-160	18	33	40	160	50	39	38.2	140.9	EGYH05	4.30
CAT50-SF18-200	18	33	40	200	50	39	38.2	180.9	EGYH05	4.60
CAT50-SF20-80	20	33	40	80	52	41	38.2	60.9	EGYH06	3.80
CAT50-SF20-120	20	33	40	120	52	41	38.2	100.9	EGYH06	3.80
CAT50-SF20-160	20	33	40	160	52	41	38.2	140.9	EGYH06	4.30
CAT50-SF20-200	20	33	40	200	52	41	38.2	180.9	EGYH06	4.60
CAT50-SF25-100	25	44	50	100	58	47	38.2	80.9	EGYH06	3.82
CAT50-SF25-120	25	44	50	120	58	47	38.2	100.9	EGYH06	3.82
CAT50-SF25-160	25	44	50	160	58	47	38.2	140.9	EGYH06	4.33
CAT50-SF25-200	25	44	50	200	58	47	38.2	180.9	EGYH06	4.65
CAT50-SF32-100	32	44	50	100	62	51	38.2	80.9	EGYH06	4.00
CAT50-SF32-120	32	44	50	120	62	51	38.2	100.9	EGYH06	4.00
CAT50-SF32-160	32	44	50	160	62	51	38.2	140.9	EGYH06	4.70
CAT50-SF32-200	32	44	50	200	62	51	38.2	180.9	EGYH06	4.99

附件Accessories → EZ007

CAT | ER 筒夹刀柄（英制）
ER Collet Chuck(Inch)

主轴接口标准：ANSI B5.50





注意：使用时夹头必须先装入螺帽,再装入刀具,然后锁紧刀柄。

Note: The holder must be loaded into the nut, then into the tool, and then locked holder.

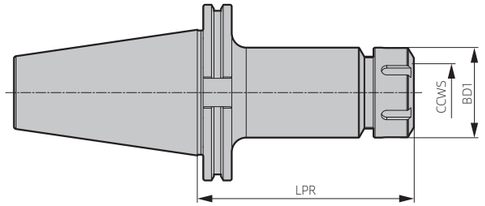
型号 Specification	CCWS	BD1	LPR	螺帽 Nut	轴向调节螺钉 Axial Adjustment Screw	筒夹 Collet	WT(kg)
CAT40-ER16-2.5"	16	1.26"	2.5"	CNA-ER16	EGNK0v	ER16	1.08
CAT40-ER16-4"	16	1.26"	4"	CNA-ER16	EGNK0v	ER16	1.22
CAT40-ER16-5"	16	1.26"	5"	CNA-ER16	EGNK0v	ER16	1.32
CAT40-ER16-6"	16	1.26"	6"	CNA-ER16	EGNK0v	ER16	1.43
CAT40-ER20-2.5"	20	1.38"	2.5"	CNA-ER20	EGNK0w	ER20	1.08
CAT40-ER20-4"	20	1.38"	4"	CNA-ER20	EGNK0w	ER20	1.3
CAT40-ER20-6"	20	1.38"	6"	CNA-ER20	EGNK0w	ER20	1.6
CAT40-ER25-2.5"	25	1.65"	2.5"	CNU-M/RD-ER25	EGNK0x	ER25	1.08
CAT40-ER25-4"	25	1.65"	4"	CNU-M/RD-ER25	EGNK0x	ER25	1.42
CAT40-ER25-6"	25	1.65"	6"	CNU-M/RD-ER25	EGNK0x	ER25	1.89
CAT40-ER32-2.75"	32	1.97"	2.75"	CNU-M/RD-ER32	EGNK0y	ER32	1.08
CAT40-ER32-4"	32	1.97"	4"	CNU-M/RD-ER32	EGNK0y	ER32	1.45
CAT40-ER32-6"	32	1.97"	6"	CNU-M/RD-ER32	EGNK0y	ER32	1.95
CAT40-ER40-3"	40	2.48"	3"	CNU-M/RD-ER40	EGNK0z	ER40	1.28
CAT40-ER40-4"	40	2.48"	4"	CNU-M/RD-ER40	EGNK0z	ER40	1.77
CAT40-ER40-6"	40	2.48"	6"	CNU-M/RD-ER40	EGNK0z	ER40	2.02
CAT50-ER16-2.5"	16	1.26"	2.5"	CNA-ER16	EGNK0v	ER16	3.13
CAT50-ER16-4"	16	1.26"	4"	CNA-ER16	EGNK0v	ER16	3.21
CAT50-ER16-5"	16	1.26"	5"	CNA-ER16	EGNK0v	ER16	3.47
CAT50-ER20-2.5"	20	1.38"	2.5"	CNA-ER20	EGNK0w	ER20	3.17
CAT50-ER20-4"	20	1.38"	4"	CNA-ER20	EGNK0w	ER20	3.29
CAT50-ER20-6"	20	1.38"	6"	CNA-ER20	EGNK0w	ER20	3.56
CAT50-ER25-2.5"	25	1.65"	2.5"	CNU-M/RD-ER25	EGNK0x	ER25	3.13
CAT50-ER25-4"	25	1.65"	4"	CNU-M/RD-ER25	EGNK0x	ER25	3.47
CAT50-ER25-6"	25	1.65"	6"	CNU-M/RD-ER25	EGNK0x	ER25	3.85
CAT50-ER32-2.75"	32	1.97"	2.75"	CNU-M/RD-ER32	EGNK0y	ER32	3.16
CAT50-ER32-4"	32	1.97"	4"	CNU-M/RD-ER32	EGNK0y	ER32	3.56
CAT50-ER32-6"	32	1.97"	6"	CNU-M/RD-ER32	EGNK0y	ER32	4.28
CAT50-ER32-8"	32	1.97"	8"	CNU-M/RD-ER32	EGNK0y	ER32	4.79
CAT50-ER40-3"	40	2.48"	3"	CNU-M/RD-ER40	EGNK0z	ER40	3.28
CAT50-ER40-6"	40	2.48"	6"	CNU-M/RD-ER40	EGNK0z	ER40	4.81
CAT50-ER40-8"	40	2.48"	8"	CNU-M/RD-ER40	EGNK0z	ER40	5.92

筒夹Collet → EO007-009
附件Accessories → EZ003.4.7

CAT | ER 筒夹刀柄（公制）
ER Collet Chuck(Metric)

主轴接口标准：ANSI B5.50





注意：使用时夹头必须先装入螺帽,再装入刀具,然后锁紧刀柄。

Note: The holder must be loaded into the nut, then into the tool, and then locked holder.

型号 Specification	CCWS	BD1	LPR	螺帽 Nut	轴向调节螺钉 Axial Adjustment Screw	筒夹 Collet	WT(kg)
CAT40-ER11-100	11	19	100	CNA-ER11	EGZF01	ER16	1.10
CAT40-ER16-63	16	28	63	CNA-ER16	EGZF02	ER16	1.22
CAT40-ER16-150	16	28	150	CNA-ER16	EGZF02	ER16	1.22
CAT40-ER20-70	20	34	70	CNA-ER20	EGZF03	ER20	1.27
CAT40-ER20-100	20	34	100	CNA-ER20	EGZF03	ER20	1.40
CAT40-ER25-70	25	42	70	CNU-M/RD-ER25	EGZF04	ER25	1.19
CAT40-ER25-100	25	42	100	CNU-M/RD-ER25	EGZF04	ER25	1.33
CAT40-ER25-150	25	42	150	CNU-M/RD-ER25	EGZF04	ER25	1.49
CAT40-ER32-70	32	50	70	CNU-M/RD-ER32	EGZF05	ER32	1.70
CAT40-ER32-100	32	50	100	CNU-M/RD-ER32	EGZF05	ER32	2.10
CAT40-ER32-150	32	50	150	CNU-M/RD-ER32	EGZF05	ER32	1.44
CAT40-ER40-70	40	63	70	CNU-M/RD-ER40	EGZF06	ER40	1.66
CAT40-ER40-100	40	63	100	CNU-M/RD-ER40	EGZF06	ER40	1.97
CAT40-ER40-150	40	63	150	CNU-M/RD-ER40	EGZF06	ER40	2.39
CAT50-ER11-100	11	19	100	CNA-ER11	EGZF01	ER11	1.90
CAT50-ER16-70	16	28	70	CNA-ER16	EGZF02	ER16	2.10
CAT50-ER16-135	16	28	135	CNA-ER16	EGZF02	ER16	2.55
CAT50-ER20-70	20	34	70	CNA-ER20	EGZF03	ER20	3.50
CAT50-ER20-165	20	34	165	CNA-ER20	EGZF03	ER20	3.52
CAT50-ER25-70	25	42	70	CNU-M/RD-ER25	EGZF04	ER25	3.53
CAT50-ER25-165	25	42	165	CNU-M/RD-ER25	EGZF04	ER25	3.55
CAT50-ER32-70	32	50	70	CNU-M/RD-ER32	EGZF05	ER32	3.71
CAT50-ER32-100	32	50	100	CNU-M/RD-ER32	EGZF05	ER32	3.85
CAT50-ER40-80	40	63	80	CNU-M/RD-ER40	EGZF06	ER40	3.92
CAT50-ER40-150	40	63	150	CNU-M/RD-ER40	EGZF06	ER40	4.02

筒夹Collet → EO007-009
附件Accessories → EZ003.4.7

CAT | SLN 侧固式刀柄（英制）
SLN Side-lock Holder(Inch)

主轴接口标准：ANSI B5.50



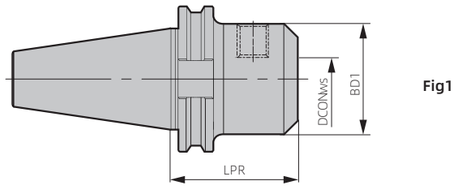


Fig1

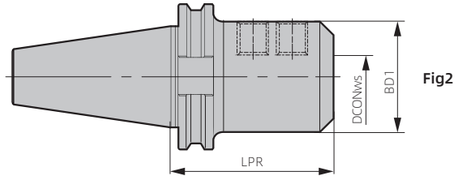


Fig2

型号 Specification	图示 Fig	DCONws	BD1	LPR	侧面压紧螺钉 Side-lock Screw	扳手 Wrench	WT(kg)
CAT40-SLN5/8"-1.75"	1	5/8"	1.5"	3.75"	EGNK07	L1/4"	1.34
CAT40-SLN5/8"-3.75"	1	5/8"	1.625"	5.75"	EGNK07	L1/4"	1.91
CAT40-SLN5/8"-5.75"	1	3/4"	1.75"	3.75"	EGNK08	L5/16"	1.46
CAT40-SLN3/4"-1.75"	1	3/4"	1.75"	5.75"	EGNK08	L5/16"	2.01
CAT40-SLN3/4"-3.75"	1	7/8"	2"	4"	EGNK07	L5/16"	1.66
CAT40-SLN3/4"-5.75"	1	7/8"	1.875"	6"	EGNK07	L5/16"	2.20
CAT40-SLN7/8"-1.75"	2	1"	2"	4"	EGNK09	L3/8"	1.54
CAT40-SLN7/8"-4"	2	1"	2"	6"	EGNK09	L3/8"	2.29
CAT40-SLN7/8"-6"	2	1-1/4"	2.5"	4.25"	EGNK09	L3/8"	2.25
CAT40-SLN1"-1.75"	2	1-1/4"	2.5"	6.25"	EGNK09	L3/8"	3.39
CAT40-SLN1"-4"	2	1-1/2"	2.75"	4.62"	EGNK09	L3/8"	2.63
CAT40-SLN1"-6"	2	1-1/2"	2.75"	6.62"	EGNK09	L3/8"	3.97
CAT40-SLN1-1/4"-2"	1	5/8"	1.75"	1.75"	EGNK07	L1/4"	0.11
CAT40-SLN1-1/4"-4.25"	1	3/4"	1.75"	1.75"	EGNK08	L5/16"	0.95
CAT40-SLN1-1/4"-6.25"	1	7/8"	1.875"	1.75"	EGNK07	L5/16"	0.97
CAT40-SLN1-1/2"-4.62"	2	1"	1.75"	1.75"	EGNK09	L3/8"	0.81
CAT40-SLN1-1/2"-6.62"	2	1-1/4"	2.25"	2"	EGNK09	L3/8"	1.02
CAT50-SLN5/8"-3.75"	1	5/8"	1.625"	3.75"	EGNK07	L1/4"	18.14
CAT50-SLN5/8"-5.75"	1	5/8"	1.625"	5.75"	EGNK07	L1/4"	18.14
CAT50-SLN5/8"-7.75"	1	5/8"	1.625"	7.75"	EGNK07	L1/4"	18.14
CAT50-SLN3/4"-10"	1	3/4"	1.75"	10"	EGNK08	L5/16"	31.75
CAT50-SLN3/4"-3.75"	1	3/4"	1.75"	3.75"	EGNK08	L5/16"	31.75
CAT50-SLN3/4"-5.75"	1	3/4"	1.75"	5.75"	EGNK08	L5/16"	31.75
CAT50-SLN3/4"-7.75"	1	3/4"	1.75"	7.75"	EGNK08	L5/16"	31.75
CAT50-SLN7/8"-3.75"	1	7/8"	2"	3.75"	EGNK07	L5/16"	31.75
CAT50-SLN7/8"-5.75"	1	7/8"	2"	5.75"	EGNK07	L5/16"	31.75
CAT50-SLN7/8"-7.75"	1	7/8"	2"	7.75"	EGNK07	L5/16"	31.75
CAT50-SLN1"-10"	2	1"	2"	10"	EGNK09	L3/8"	49.90
CAT50-SLN1"-4"	2	1"	2"	4"	EGNK09	L3/8"	49.90
CAT50-SLN1"-6"	2	1"	2"	6"	EGNK09	L3/8"	49.90
CAT50-SLN1"-8"	2	1"	2"	8"	EGNK09	L3/8"	49.90
CAT50-SLN1-1/4"-10"	2	1-1/4"	2.5"	10"	EGNK09	L3/8"	49.90
CAT50-SLN1-1/4"-4"	2	1-1/4"	2.5"	4"	EGNK09	L3/8"	49.90
CAT50-SLN1-1/4"-6"	2	1-1/4"	2.5"	6"	EGNK09	L3/8"	49.90
CAT50-SLN1-1/4"-8"	2	1-1/4"	2.5"	8"	EGNK09	L3/8"	49.90
CAT50-SLN1-1/2"-4"	2	1-1/2"	2.75"	4"	EGNK09	L3/8"	49.90
CAT50-SLN1-1/2"-6"	2	1-1/2"	2.75"	6"	EGNK09	L3/8"	49.90
CAT50-SLN1-1/2"-8"	2	1-1/2"	2.75"	8"	EGNK09	L3/8"	49.90
CAT50-SLN2"-5.62"	2	2"	3.75"	5.62"	EGNK0a	L1/2"	68.04
CAT50-SLN2"-7.62"	2	2"	3.75"	7.62"	EGNK0a	L1/2"	68.04
CAT50-SLN2"-9.62"	2	2"	3.75"	9.62"	EGNK0a	L1/2"	68.04

附件Accessories → EZ007

CAT | SLN 侧固式刀柄（公制）
SLN Side-lock Holder(Metric)

主轴接口标准：ANSI B5.50



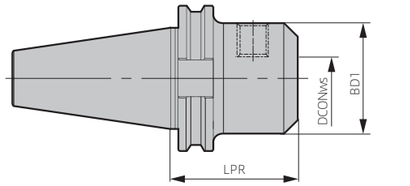


Fig1

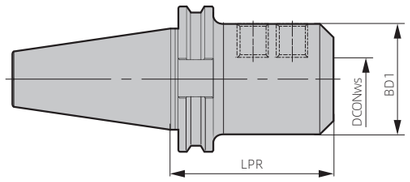


Fig2

型号 Specification	图示 Fig	DCONws	BD1	LPR	侧面压紧螺钉 Side-lock Screw	扳手 Wrench	WT (kg)
CAT40-SLN16-70	1	16	48	70	EGZF1d	L060	1.35
CAT40-SLN18-70	1	18	50	70	EGZF1d	L060	1.36
CAT40-SLN20-70	1	20	52	70	EGZF1d	L080	1.38
CAT40-SLN25-95	2	25	65	95	EGZF1d	L080	2.17
CAT40-SLN32-100	2	32	72	100	EGZF1d	L100	2.45
CAT50-SLN16-80	1	16	44	80	EGZF1d	L060	3.01
CAT50-SLN16-100	1	16	44	100	EGZF1d	L060	3.66
CAT50-SLN18-80	1	18	46	80	EGZF1d	L060	3.96
CAT50-SLN20-100	1	20	50	100	EGZF1d	L080	3.86
CAT50-SLN25-100	2	25	53	100	EGZF1d	L080	3.98
CAT50-SLN32-100	2	32	61	100	EGZF1d	L100	4.11
CAT50-SLN32-110	2	32	61	110	EGZF1d	L100	5.16

附件Accessories → EZ007

CAT | FM 平面铣刀柄（英制）
FM Face Mill Holder(Inch)

主轴接口标准：ANSI B5.50
工件侧接口标准：ISO 6462



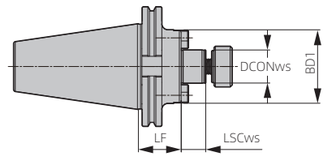


Fig1

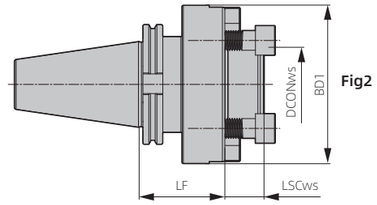


Fig2

型号 Specification	图示 Fig	DCONws	BD1	LF	LSCws	刀盘安装螺钉 Clamp Screw	键销 Washer	键销螺钉 Key pin Screw	扳手 Wrench	WT (kg)
CAT40-FMA1/2"-1.75"	1	1/2"	36.576	1.75"	13.97	EGJJ0d	EGJJ07	EGJJ01	L1/4"	1.01
CAT40-FMA3/4"-1.75"	1	3/4"	42.926	1.75"	17.45	EGJJ0h	EGJJ0b	EGJJ05	L5/16"	1.31
CAT40-FMA1"-2"	1	1"	55.626	2"	17.45	EGJJ0f	EGJJ09	EGJJ03	L3/8"	1.88
CAT40-FMA1-1/4"-2"	1	1-1/4"	69.85	2"	17.45	EGJJ0g	EGJJ0a	EGJJ04	L1/2"	1.95
CAT40-FMA1-1/2"-2"	1	1-1/2"	78	2"	23.83	EGJJ0f	EGJJ09	EGJJ03	L5/8"	2.36
CAT40-FMA1/2"-4"	1	1/2"	36.576	4"	13.97	EGJJ0d	EGJJ07	EGJJ01	L1/4"	1.53
CAT40-FMA3/4"-4"	1	3/4"	42.926	4"	17.45	EGJJ0h	EGJJ0b	EGJJ05	L5/16"	1.83
CAT40-FMA1"-4"	1	1"	55.626	4"	17.45	EGJJ0f	EGJJ09	EGJJ03	L3/8"	2.32
CAT40-FMA1-1/4"-4"	1	1-1/4"	69.85	4"	17.45	EGJJ0g	EGJJ0a	EGJJ04	L1/2"	3.01
CAT40-FMA1-1/2"-4"	1	1-1/2"	78	4"	23.83	EGJJ0f	EGJJ09	EGJJ03	L5/8"	3.56
CAT40-FMA3/4"-6"	1	3/4"	42.926	6"	17.45	EGJJ0h	EGJJ0b	EGJJ05	L5/16"	2.53
CAT40-FMA1"-6"	1	1"	55.626	6"	17.45	EGJJ0f	EGJJ09	EGJJ03	L3/8"	2.99
CAT40-FMA3/4"-8"	1	3/4"	42.926	8"	17.45	EGJJ0h	EGJJ0b	EGJJ05	L5/16"	3.98
CAT40-FMA1"-8"	1	1"	55.626	8"	17.45	EGJJ0f	EGJJ09	EGJJ03	L3/8"	4.65
CAT50-FMA1/2"-1.38"	1	1/2"	36.576	1.38"	13.97	EGJJ0d	EGJJ07	EGJJ01	L1/4"	3.01
CAT50-FMA3/4"-2"	1	3/4"	42.926	2"	17.45	EGJJ0h	EGJJ0b	EGJJ05	L5/16"	3.43
CAT50-FMA1"-2"	1	1"	55.626	2"	17.45	EGJJ0f	EGJJ09	EGJJ03	L3/8"	3.95
CAT50-FMA1-1/4"-2"	1	1-1/4"	69.85	2"	17.45	EGJJ0g	EGJJ0a	EGJJ04	L1/2"	4.26
CAT50-FMA1-1/2"-2"	1	1-1/2"	78	2"	23.83	EGJJ0f	EGJJ09	EGJJ03	L5/8"	5.01
CAT50-FMA2"-2"	1	2"	98	2"	23.83	EGJJ0i	EGJJ0c	EGJJ06	EGJJ0w	6.22
CAT50-FMA3/4"-4"	1	3/4"	42.926	4"	17.45	EGJJ0h	EGJJ0b	EGJJ05	L5/16"	4.06
CAT50-FMA1"-4"	1	1"	55.626	4"	17.45	EGJJ0f	EGJJ09	EGJJ03	L3/8"	4.25
CAT50-FMA1-1/4"-4"	1	1-1/4"	69.85	4"	17.45	EGJJ0g	EGJJ0a	EGJJ04	L1/2"	4.56
CAT50-FMA1-1/2"-4"	1	1-1/2"	78	4"	23.83	EGJJ0f	EGJJ09	EGJJ03	L5/8"	5.21
CAT50-FMA2"-4"	1	2"	98	4"	23.83	EGJJ0i	EGJJ0c	EGJJ06	EGJJ0w	6.35
CAT50-FMA3/4"-6"	1	3/4"	42.926	6"	17.45	EGJJ0h	EGJJ0b	EGJJ05	L5/16"	4.35
CAT50-FMA1"-6"	1	1"	55.626	6"	17.45	EGJJ0f	EGJJ09	EGJJ03	L3/8"	4.53
CAT50-FMA1-1/4"-6"	1	1-1/4"	69.85	6"	17.45	EGJJ0g	EGJJ0a	EGJJ04	L1/2"	4.88
CAT50-FMA1-1/2"-6"	1	1-1/2"	78	6"	23.83	EGJJ0f	EGJJ09	EGJJ03	L5/8"	5.52
CAT50-FMA3/4"-8"	1	3/4"	42.926	8"	17.45	EGJJ0h	EGJJ0b	EGJJ05	L5/16"	4.58
CAT50-FMA1"-8"	1	1"	55.626	8"	17.45	EGJJ0f	EGJJ09	EGJJ03	L3/8"	4.82
CAT50-FMA1-1/4"-8"	1	1-1/4"	69.85	8"	17.45	EGJJ0g	EGJJ0a	EGJJ04	L1/2"	5.01
CAT50-FMA1-1/2"-8"	1	1-1/2"	78	8"	23.83	EGJJ0f	EGJJ09	EGJJ03	L5/8"	5.89

附件Accessories → EZ007

CAT | FM 平面铣刀柄（公制）
FM Face Mill Holder(Metric)

主轴接口标准：ANSI B5.50
工件侧接口标准：ISO 6462



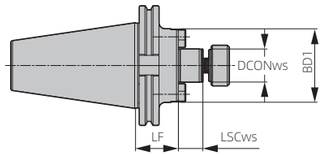


Fig1

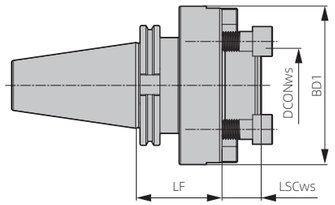


Fig2

型号 Specification	图示 Fig	DCONws	BD1	LF	LSCws	刀盘安装螺钉 Clamp Screw	键销 Washer	键销螺钉 Key pin Screw	扳手 Wrench	WT(kg)
CAT40-FMA16-45	1	16	38	16	16	EGZF0c	EGZF0h	EGZF07	L060	1.01
CAT40-FMA16-125	1	16	38	16	125	EGZF0c	EGZF0h	EGZF07	L060	1.31
CAT40-FMA22-45	1	22	48	18	45	EGZF0d	EGZF0i	EGZF08	L080	1.88
CAT40-FMA22-60	1	22	48	18	60	EGZF0d	EGZF0i	EGZF08	L080	1.95
CAT40-FMA22-100	1	22	48	18	100	EGZF0d	EGZF0i	EGZF08	L080	2.36
CAT40-FMB27-60	1	27	60	20	60	EGZF0e	EGZF0j	EGZF09	L100	1.53
CAT40-FMB27-90	1	27	60	20	90	EGZF0e	EGZF0j	EGZF09	L100	1.83
CAT40-FMB32-60	1	32	62	22	60	EGZF0f	EGZF0k	EGZF0a	L100	2.32
CAT40-FMB40-60	1	40	78	25	60	EGZF0g	EGZF0n	EGZF0b	L120	3.01
CAT50-FMA16-60	1	16	38	16	60	EGZF0c	EGZF0h	EGZF07	L060	3.56
CAT50-FMA16-100	1	16	38	16	100	EGZF0c	EGZF0h	EGZF07	L060	2.53
CAT50-FMA16-120	1	16	38	16	120	EGZF0c	EGZF0h	EGZF07	L060	2.99
CAT50-FMA22-60	1	22	48	18	60	EGZF0d	EGZF0i	EGZF08	L080	3.98
CAT50-FMA22-100	1	22	48	18	100	EGZF0d	EGZF0i	EGZF08	L080	4.65
CAT50-FMA22-120	1	22	48	18	120	EGZF0d	EGZF0i	EGZF08	L080	3.01
CAT50-FMB27-45	1	27	60	20	45	EGZF0e	EGZF0j	EGZF09	L100	3.43
CAT50-FMB27-60	1	27	60	20	60	EGZF0e	EGZF0j	EGZF09	L100	3.95
CAT50-FMB27-105	1	27	60	20	105	EGZF0e	EGZF0j	EGZF09	L100	4.26
CAT50-FMB27-120	1	27	60	20	120	EGZF0e	EGZF0j	EGZF09	L100	5.01
CAT50-FMB32-60	1	32	62	22	60	EGZF0f	EGZF0k	EGZF0a	L100	6.22
CAT50-FMB32-75	1	32	62	22	75	EGZF0f	EGZF0k	EGZF0a	L100	4.06
CAT50-FMB32-120	1	32	62	22	120	EGZF0f	EGZF0k	EGZF0a	L100	4.25
CAT50-FMB40-60	1	40	78	25	60	EGZF0g	EGZF0n	EGZF0b	L120	4.56

附件Accessories → EZ007



EI

EXTENSION BAR
延长杆

SF Shrik-fit Extension Bar

SF 圆柄热装延长杆 **EI003-003**

ER Collet Extension Bar

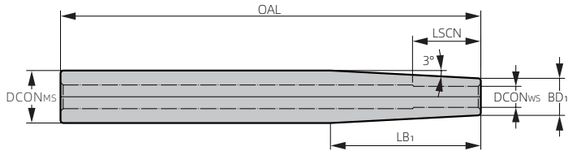
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ER-M ER Collet Extension Bar

ER-M筒夹延长杆 **EI005-005**

SF 圆柄热胀延长杆
SF Shrik-fit Extension Bar





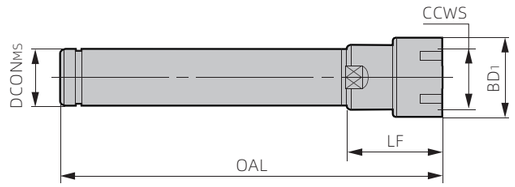
1.被夹持柄标准:刀具柄的直径公差必须达到h6
2. 注意: 不可加持钢制柄

1. Standard for the shank to be clamped: The diameter tolerance of the tool shank must reach H6.
2. Note: Do not clamp steel shank

型号 Specification	DCONMS	DCONWS	BD1	OAL	LSCN	LB1	WT（kg）
A12-SF3-150	12.00	3.00	8.00	150.00	12.00	38.00	0.20
A12-SF4-150	12.00	4.00	10.00	150.00	12.00	19.00	0.20
A16-SF4-150	16.00	4.00	10.00	150.00	12.00	57.00	0.23
A16-SF6-150	16.00	6.00	12.00	150.00	18.00	38.00	0.25
A16-SF8-150	16.00	8.00	14.00	150.00	24.00	19.00	0.27
A20-SF8-150	20.00	8.00	14.00	150.00	24.00	57.00	0.42
A20-SF10-150	20.00	10.00	16.00	150.00	30.00	38.00	0.44

ER 筒夹延长杆
ER Collet Extension Bar



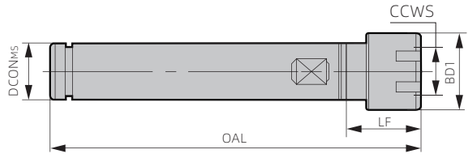


型号 Specification	DCONMS	CCWS	BD1	LF	OAL	WT（kg）
C16-ER16-100	16	ER16	28	37	137	0.20
C16-ER16-150	16	ER16	28	37	187	0.25
C16-ER20-100	16	ER20	34	42	142	0.25
C20-ER16-100	20	ER16	28	37	137	0.28
C20-ER16-150	20	ER16	28	37	187	0.36
C20-ER20-100	20	ER20	34	42	142	0.30
C20-ER20-150	20	ER20	34	42	192	0.38
C20-ER25-100	20	ER25	42	46	146	0.10
C20-ER25-150	20	ER25	42	46	196	0.49
C25-ER16-100	25	ER16	28	37	137	0.41
C25-ER16-150	25	ER16	28	37	187	0.54
C25-ER20-100	25	ER20	34	42	142	0.42
C25-ER20-150	25	ER20	34	42	192	0.55
C25-ER25-100	25	ER25	42	46	146	0.45
C25-ER25-150	25	ER25	42	46	196	0.65

筒夹Collet → EO004-006
附件Accessories → EZ003.4

ER-M筒夹延长杆
ER-M ER Collet Extension Bar





型号 Specification	DCONMS	CCWS	BD1	LF	OAL	WT（kg）
C12-ER11M-100	12	ER11	16	25	125	0.12
C12-ER11M-150	12	ER11	16	25	175	0.14
C16-ER11M-100	16	ER11	16	25	125	0.14
C16-ER11M-150	16	ER11	16	25	175	0.22
C16-ER16M-100	16	ER16	22	36	136	0.15
C16-ER16M-150	16	ER16	22	36	186	0.21
C20-ER16M-100	20	ER16	22	36	136	0.24
C20-ER16M-150	20	ER16	22	36	186	0.33
C20-ER20M-100	20	ER20	28	42	242	0.23
C20-ER20M-150	20	ER20	28	42	192	0.32
C20-ER20M-200	20	ER20	28	42	242	0.53
C25-ER20M-150	25	ER20	28	42	192	0.50

简夹Collet → EO004-006
附件Accessories → EZ003.4



E0

INTERMEDIATE SLEEVES
变径套

OE Hydraulic Collet - Internal Cooling
OE型中心出水液压筒夹 **EO003-003**

SK Precision High-Speed Collet
SK 精密高速筒夹 **EO004-004**

SK-C Precision High-Speed Internal Collet
SK-C 精密高速内冷筒夹 **EO005-005**

SK Precision High-Speed Collet Puller
SK精密高速筒夹拆卸器 **EO005-005**

SC Straight Collet
SC 直筒夹 **EO006-006**

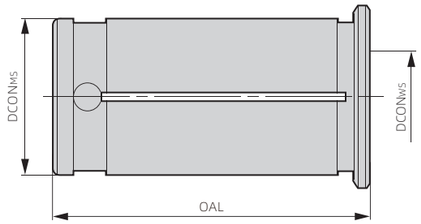
ER Collet
ER 筒夹 **EO007-007**

ER-C Internal Collet
ER-C 内冷筒夹 **EO008-008**

ER-G Tapping Collet
ER-G 攻牙筒夹 **EO009-009**

OE型中心出水液压筒夹
OE Hydraulic Collet - Internal Cooling





型号 Specification	DCONWS	DCONMS	OAL
OEHC12-3	3	12	45
OEHC12-4	4	12	45
OEHC12-5	5	12	45
OEHC12-6	6	12	45
OEHC12-8	8	12	45

型号 Specification	DCONWS	DCONMS	OAL
OEHC20-3	3	20	50.5
OEHC20-4	4	20	50.5
OEHC20-5	5	20	50.5
OEHC20-6	6	20	50.5
OEHC20-8	8	20	50.5
OEHC20-10	10	20	50.5
OEHC20-12	12	20	50.5
OEHC20-14	14	20	50.5
OEHC20-16	16	20	50.5

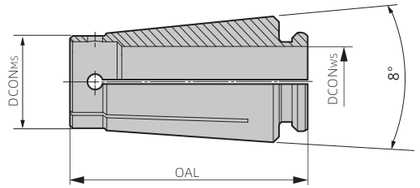
型号 Specification	DCONWS	DCONMS	OAL
OEHC32-6	6	32	60.5
OEHC32-8	8	32	60.5
OEHC32-10	10	32	60.5
OEHC32-12	12	32	60.5
OEHC32-14	14	32	60.5
OEHC32-16	16	32	60.5
OEHC32-18	18	32	60.5
OEHC32-20	20	32	60.5
OEHC32-25	25	32	60.5

■**精度**≤0.003mm
■Runint(3D) ≤ 0.003mm

刀具夹持 Tool Clamping

SK 精密高速筒夹
SK Precision High-Speed Collet





型号 Specification	DCONWS	DCONMS	OAL
SK6-3UP	3	7.5	25
SK6-4UP	4	7.5	25
SK6-5UP	5	7.5	25
SK6-6UP	6	7.5	25

型号 Specification	DCONWS	DCONMS	OAL
SK10-3UP	3	12	30.5
SK10-4UP	4	12	30.5
SK10-5UP	5	12	30.5
SK10-6UP	6	12	30.5
SK10-7UP	7	12	30.5
SK10-8UP	8	12	30.5
SK10-9UP	9	12	30.5
SK10-10UP	10	12	30.5

型号 Specification	DCONWS	DCONMS	OAL
SK16-3UP	3	18.8	45
SK16-4UP	4	18.8	45
SK16-5UP	5	18.8	45
SK16-6UP	6	18.8	45
SK16-7UP	7	18.8	45
SK16-8UP	8	18.8	45
SK16-9UP	9	18.8	45
SK16-10UP	10	18.8	45
SK16-11UP	11	18.8	45
SK16-12UP	12	18.8	45
SK16-13UP	13	18.8	45
SK16-14UP	14	18.8	45
SK16-15UP	15	18.8	45
SK16-16UP	16	18.8	45

型号 Specification	DCONWS	DCONMS	OAL
SK20-4UP	4	22.6	54
SK20-5UP	5	22.6	54
SK20-6UP	6	22.6	54
SK20-7UP	7	22.6	54
SK20-8UP	8	22.6	54
SK20-9UP	9	22.6	54
SK20-10UP	10	22.6	54
SK20-11UP	11	22.6	54
SK20-12UP	12	22.6	54
SK20-13UP	13	22.6	54
SK20-14UP	14	22.6	54
SK20-15UP	15	22.6	54
SK20-16UP	16	22.6	54
SK20-17UP	17	22.6	54
SK20-18UP	18	22.6	54
SK20-19UP	19	22.6	54
SK20-20UP	20	22.6	54

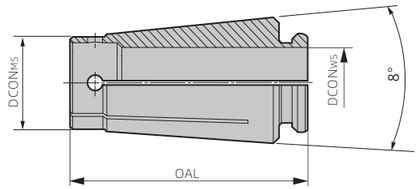
型号 Specification	DCONWS	DCONMS	OAL
SK25-6UP	6	28.9	57
SK25-7UP	7	28.9	57
SK25-8UP	8	28.9	57
SK25-9UP	9	28.9	57
SK25-10UP	10	28.9	57
SK25-11UP	11	28.9	57
SK25-12UP	12	28.9	57
SK25-13UP	13	28.9	57
SK25-14UP	14	28.9	57
SK25-15UP	15	28.9	57
SK25-16UP	16	28.9	57
SK25-17UP	17	28.9	57
SK25-18UP	18	28.9	57
SK25-19UP	19	28.9	57
SK25-20UP	20	28.9	57
SK25-21UP	21	28.9	57
SK25-22UP	22	28.9	57
SK25-23UP	23	28.9	57
SK25-24UP	24	28.9	57
SK25-25UP	25	28.9	57

■**精度**≤0.005mm
■Runint(3D) ≤ 0.005mm

刀具夹持 Tool Clamping

SK-C 精密高速内冷筒夹
SK-C Precision High-Speed Internal Collet





型号 Specification	DCONWS	DCONMS	OAL
SK10-4-C	4	11.7	30.5
SK10-6-C	6	11.7	30.5
SK10-8-C	8	11.7	30.5
SK10-10-C	10	11.7	30.5

型号 Specification	DCONWS	DCONMS	OAL
SK16-4-C	4	18.7	45
SK16-6-C	6	18.7	45
SK16-8-C	8	18.7	45
SK16-10-C	10	18.7	45
SK16-12-C	12	18.7	45
SK16-14-C	14	18.7	45
SK16-16-C	16	18.7	45



■**精度**≤0.005mm
■Runint(3D) ≤ 0.005mm

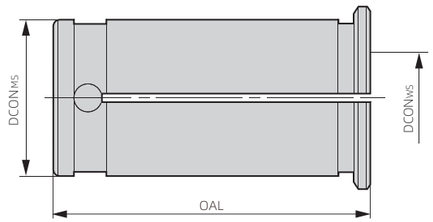
SK精密高速筒夹拆卸器
SK Precision High-Speed Collet Puller



型号 Specification	适配筒夹 Suit Collet	WT (kg)
SK10-P	SK10	0.20
SK16-P	SK16	0.31

SC 直筒夹
SC Straight Collet





型号 Specification	DCONWS	DCONMS	OAL
SC16-4	4	16	45
SC16-6	6	16	45
SC16-8	8	16	45
SC16-10	10	16	45
SC16-12	12	16	45

型号 Specification	DCONWS	DCONMS	OAL
SC20-4	4	20	52
SC20-6	6	20	52
SC20-8	8	20	52
SC20-10	10	20	52
SC20-12	12	20	52
SC20-15	15	20	52
SC20-16	16	20	52

型号 Specification	DCONWS	DCONMS	OAL
SC25-6	6	25	60
SC25-8	8	25	60
SC25-10	10	25	60
SC25-12	12	25	60
SC25-16	16	25	60
SC25-20	20	25	60

型号 Specification	DCONWS	DCONMS	OAL
SC32-3	3	32	68
SC32-4	4	32	68
SC32-5	5	32	68
SC32-6	6	32	68
SC32-7	7	32	68
SC32-8	8	32	68
SC32-9	9	32	68
SC32-10	10	32	68
SC32-11	11	32	68
SC32-12	12	32	68
SC32-13	13	32	68
SC32-14	14	32	68
SC32-15	15	32	68
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SC32-16	16	32	68
SC32-17	17	32	68
SC32-18	18	32	68
SC32-19	19	32	68
SC32-20	20	32	68
SC32-21	21	32	68
SC32-22	22	32	68
SC32-23	23	32	68
SC32-24	24	32	68
SC32-25	25	32	68

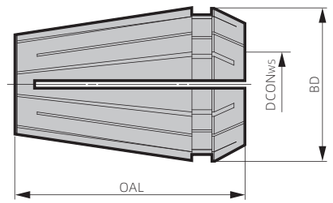
型号 Specification	DCONWS	DCONMS	OAL
SC42-6	6	42	78
SC42-8	8	42	78
SC42-10	10	42	78
SC42-12	12	42	78
SC42-16	16	42	78
SC42-18	18	42	78
SC42-20	20	42	78
SC42-24	24	42	78
SC42-25	25	42	78
SC42-32	32	42	78

■**跳动精度**≤0.01mm
■Runout Accuracy (3D) ≤ 0.01mm

ER 筒夹
ER Collet







型号 Specification											
ER11-13PCS		ER16-10PCS		ER20-12PCS		ER25-15PCS		ER32-19PCS		ER40-24PCS	
SET NO.	DCONWS	SET NO.	DCONWS	SET NO.	DCONWS	SET NO.	DCONWS	SET NO.	DCONWS	SET NO.	DCONWS
ER11-1.0	1.0-0.5	ER16-1.0	1.0-0.5	ER20-2.0	2.0-1.0	ER25-2.0	2.0-1.0	ER32-2.0	2.0-1.0	ER40-3.0	3.0-2.0
ER11-1.5	1.5-1.0	ER16-2.0	2.0-1.0	ER20-3.0	3.0-2.0	ER25-3.0	3.0-2.0	ER32-3.0	3.0-2.0	ER40-4.0	4.0-3.0
ER11-2.0	2.0-1.5	ER16-3.0	3.0-2.0	ER20-4.0	4.0-3.0	ER25-4.0	4.0-3.0	ER32-4.0	4.0-3.0	ER40-5.0	5.0-4.0
ER11-2.5	2.5-2.0	ER16-4.0	4.0-3.0	ER20-5.0	5.0-4.0	ER25-5.0	5.0-4.0	ER32-5.0	5.0-4.0	ER40-6.0	6.0-5.0
ER11-3.0	3.0-2.5	ER16-5.0	5.0-4.0	ER20-6.0	6.0-5.0	ER25-6.0	6.0-5.0	ER32-6.0	6.0-5.0	ER40-7.0	7.0-6.0
ER11-3.5	3.5-3.0	ER16-6.0	6.0-5.0	ER20-7.0	7.0-6.0	ER25-7.0	7.0-6.0	ER32-7.0	7.0-6.0	ER40-8.0	8.0-7.0
ER11-4.0	4.0-3.5	ER16-7.0	7.0-6.0	ER20-8.0	8.0-7.0	ER25-8.0	8.0-7.0	ER32-8.0	8.0-7.0	ER40-9.0	9.0-8.0
ER11-4.5	4.5-4.0	ER16-8.0	8.0-7.0	ER20-9.0	9.0-8.0	ER25-9.0	9.0-8.0	ER32-9.0	9.0-8.0	ER40-10.0	10.0-9.0
ER11-5.0	5.0-4.5	ER16-9.0	9.0-8.0	ER20-10.0	10.0-9.0	ER25-10.0	10.0-9.0	ER32-10.0	10.0-9.0	ER40-11.0	11.0-10.0
ER11-5.5	5.5-5.0	ER16-10.0	10.0.0-9.0	ER20-11.0	11.0-10.0	ER25-11.0	11.0-10.0	ER32-11.0	11.0-10.0	ER40-12.0	12.0-11.0
ER11-6.0	6.0-5.5			ER20-12.0	12.0-11.0	ER25-12.0	12.0-11.0	ER32-12.0	12.0-11.0	ER40-13.0	13.0-12.0
ER11-6.5	6.5-6.0			ER20-13.0	13.0-12.0	ER25-13.0	13.0-12.0	ER32-13.0	13.0-12.0	ER40-14.0	14.0-13.0
ER11-7.0	7.0-6.5					ER25-14.0	14.0-13.0	ER32-14.0	14.0-13.0	ER40-15.0	15.0-14.0
						ER25-15.0	15.0-14.0	ER32-15.0	15.0-14.0	ER40-16.0	16.0-15.0
						ER25-16.0	16.0-15.0	ER32-16.0	16.0-15.0	ER40-17.0	17.0-16.0
								ER32-17.0	17.0-16.0	ER40-18.0	18.0-17.0
								ER32-18.0	18.0-17.0	ER40-19.0	19.0-18.0
								ER32-19.0	19.0-18.0	ER40-20.0	20.0-19.0
								ER32-20.0	20.0-19.0	ER40-21.0	21.0-20.0
										ER40-22.0	22.0-21.0
										ER40-23.0	23.0-22.0
										ER40-24.0	24.0-23.0
										ER40-25.0	25.0-24.0
										ER40-26.0	26.0-25.0

型号 Specification	BD	OAL
ER11	11.5	18.0
ER16	17.0	27.5
ER20	21.0	31.5
ER25	26.0	34.0
ER32	33.0	40.0
ER40	41.0	46.0

例：ER11-13PCS为套装型号。
Note: ER 11-13PCS is a set.

弹性筒夹等级说明 / Spring Collet Precision

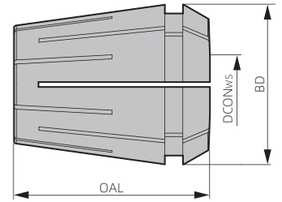
■A级：小于等于0.01mm■UP级：小于等于0.005mm
■A: ≤0.01 mm■UP: ≤0.005 mm

备注：ER筒夹常规备库为A级。
Remark: ER collets in stock with A grade.

ER-C 内冷筒夹
ER-C Internal Collet







型号 Specification											
ER16-8PCS-C		ER20-11PCS-C		ER25-14PCS		ER32-18PCS		ER40-24PCS			
SET NO.	DCONWS	SET NO.	DCONWS	SET NO.	DCONWS	SET NO.	DCONWS	SET NO.	DCONWS		
ER16-3.0-C	3.0-2.0	ER20-3.0	3.0-2.0	ER25-3.0	3.0-2.0	ER32-3.0	3.0-2.0	ER40-6.0	6.0-5.0		
ER16-4.0-C	4.0-3.0	ER20-4.0	4.0-3.0	ER25-4.0	4.0-3.0	ER32-4.0	4.0-3.0	ER40-7.0	7.0-6.0		
ER16-5.0-C	5.0-4.0	ER20-5.0	5.0-4.0	ER25-5.0	5.0-4.0	ER32-5.0	5.0-4.0	ER40-8.0	8.0-7.0		
ER16-6.0-C	6.0-5.0	ER20-6.0	6.0-5.0	ER25-6.0	6.0-5.0	ER32-6.0	6.0-5.0	ER40-9.0	9.0-8.0		
ER16-7.0-C	7.0-6.0	ER20-7.0	7.0-6.0	ER25-7.0	7.0-6.0	ER32-7.0	7.0-6.0	ER40-10.0	10.0-9.0		
ER16-8.0-C	8.0-7.0	ER20-8.0	8.0-7.0	ER25-8.0	8.0-7.0	ER32-8.0	8.0-7.0	ER40-11.0	11.0-10.0		
ER16-9.0-C	9.0-8.0	ER20-9.0	9.0-8.0	ER25-9.0	9.0-8.0	ER32-9.0	9.0-8.0	ER40-12.0	12.0-11.0		
ER16-10.0-C	10.0.0-9.0	ER20-10.0	10.0-9.0	ER25-10.0	10.0-9.0	ER32-10.0	10.0-9.0	ER40-13.0	13.0-12.0		
		ER20-11.0	11.0-10.0	ER25-11.0	11.0-10.0	ER32-11.0	11.0-10.0	ER40-14.0	14.0-13.0		
		ER20-12.0	12.0-11.0	ER25-12.0	12.0-11.0	ER32-12.0	12.0-11.0	ER40-15.0	15.0-14.0		
		ER20-13.0	13.0-12.0	ER25-13.0	13.0-12.0	ER32-13.0	13.0-12.0	ER40-16.0	16.0-15.0		
				ER25-14.0	14.0-13.0	ER32-14.0	14.0-13.0	ER40-17.0	17.0-16.0		
				ER25-15.0	15.0-14.0	ER32-15.0	15.0-14.0	ER40-18.0	18.0-17.0		
				ER25-16.0	16.0-15.0	ER32-16.0	16.0-15.0	ER40-19.0	19.0-18.0		
						ER32-17.0	17.0-16.0	ER40-20.0	20.0-19.0		
						ER32-18.0	18.0-17.0	ER40-21.0	21.0-20.0		
						ER32-19.0	19.0-18.0	ER40-22.0	22.0-21.0		
						ER32-20.0	20.0-19.0	ER40-23.0	23.0-22.0		
								ER40-24.0	24.0-23.0		
								ER40-25.0	25.0-24.0		
								ER40-26.0	26.0-25.0		

型号 Specification	BD	OAL
ER16	17.0	27.5
ER20	21.0	31.5
ER25	26.0	34.0
ER32	33.0	40.0
ER40	41.0	46.0



例：ER20-11PCS-C为套装型号。
Note: ER20-11PCS-C is a set.

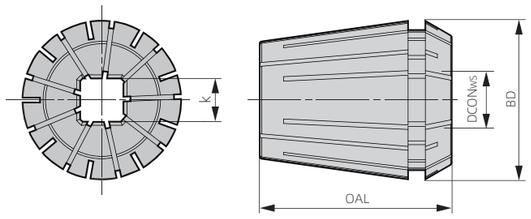
弹性筒夹等级说明 / Spring Collet Precision

■A级：小于等于0.01mm■UP级：小于等于0.005mm
■A: ≤0.01 mm■UP: ≤0.005 mm

备注：ER筒夹常规备库为A级。
Remark: ER collets in stock with A grade.

ER-G 攻牙筒夹
ER-G Tapping Collet





型号 Specification					DCONws	K	ISO529(1)	ISO529(2)	备注通用 TapsJIS	DIN371	DIN376
ER16-				0224018G	2.24	1.8	-	M3	-	-	-
ER16-				028021G	2.8	2.1	-	-	-	-	M4
ER16-				0315025G	3.15	2.5	M3	M4	-	-	-
ER16-				035027G	3.5	2.7	-	-	-	M3	M4.5、M5
ER16-	ER20-			040032G	4	3.2	M4	M5	M3、W1/8	-	-
ER16-	ER20-	ER25-		045034G	4.5	3.4	-	-	-	M4	M6
ER16-	ER20-	ER25-		0450355G	4.5	3.55	-	M6	-	-	-
ER16-	ER20-	ER25-		050040G	5	4	M5	-	M4	-	-
ER16-	ER20-	ER25-		055045G	5.5	4.5	-	-	M5、W3/16	-	-
ER16-	ER20-	ER25-		060045G	6	4.5	-	-	M6、W1/4	-	-
ER16-	ER20-	ER25-		060049G	6	4.9	-	-	-	M4.5、M5、M6	M8
ER16-	ER20-	ER25-		061050G	6.1	5	-	-	W5/16	-	-
ER16-	ER20-	ER25-		062050G	6.2	5	-	-	M8	-	-
ER16-	ER20-	ER25-		063050G	6.3	5	M6	M8	-	-	-
ER16-	ER20-	ER25-	ER32-	070055G	7	5.5	-	-	M10、W3/8	M7	M9、M10
ER16-	ER20-	ER25-	ER32-	080060G	8	6	-	-	W7/16、PT1/8	-	-
ER16-	ER20-	ER25-	ER32-	080062G	8	6.2	-	-	-	M8	M11
ER16-	ER20-	ER25-	ER32-	080063G	8	6.3	M8	M10	-	-	-
ER16-	ER20-	ER25-	ER32-	085065G	8.5	6.5	-	-	M12	-	-
ER16-	ER20-	ER25-	ER32-	090070G	9	7	-	-	W1/2	M9	M12
ER16-	ER20-	ER25-	ER32-	090071G	9	7.1	-	M12	-	-	-
ER16-	ER20-	ER25-	ER32-	ER40- 100080G	10	8	M10	-	-	M10	-
	ER20-	ER25-	ER32-	ER40- 105080G	10.5	8	-	-	M14	-	-
	ER20-	ER25-	ER32-	ER40- 110090G	11	9	-	-	PT1/4	-	M14
	ER20-	ER25-	ER32-	ER40- 112090G	11.2	9	-	M14	-	-	-
	ER20-	ER25-	ER32-	ER40- 120090G	12	9	-	-	W5/8	-	M16
	ER20-	ER25-	ER32-	ER40- 125100G	12.5	10	-	M16	M16	-	-
		ER25-	ER32-	ER40- 140110G	14	11	-	-	M18、W3/4、PT3/8	-	M18
		ER25-	ER32-	ER40- 140112G	14	11.2	-	M18、M20	M18	-	-
		ER25-	ER32-	ER40- 150120G	15	12	-	-	M20	-	-
			ER32-	ER40- 160120G	16	12	-	-	-	-	M20
			ER32-	ER40- 160125G	16	12.5	-	M22	-	-	-
			ER32-	ER40- 170130G	17	13	-	-	M22、W7/8	-	-
			ER32-	ER40- 180140G	18	14	-	M24	PT1/2	-	-
			ER32-	ER40- 180145G	18	14.5	-	-	-	-	M22、M24
			ER32-	ER40- 190150G	19	15	-	-	M24	-	-
				ER40- 200150G	20	15	-	-	M27、W1、PT5/8	-	-
				ER40- 200160G	20	16	-	M27、M30	-	-	M27
				ER40- 220180G	22	18	-	-	-	-	M30
				ER40- 220190G	22	19	-	-	M32、M33	-	-
				ER40- 224180G	22.4	18	-	M33	-	-	-
				ER40- 230170G	23	17	-	-	M30、PT3/4	-	-
				ER40- 250190G	25	19	-	-	M33	-	-

注：选型前需确认丝锥柄径与四方尺寸。
Note: The size of the shank must to be suitable with the collet.

■常规备库精度≤0.015mm
■In stock with accuracy ≤ 0.015mm



EZ

PULL STUDS/ACCESSORIES
拉钉/配件

GSK Nut For Precision High-Speed Collet Holder
GSK精密高速筒夹刀柄螺帽 **EZ003-003**

ER Nut
ER螺帽 **EZ003-003**

GSK Wrench For Precision High-Speed Collet Holder
GSK 精密高速筒夹刀柄扳手 **EZ004-004**

HPC Power Nut Wrench
HPC 强力螺帽扳手 **EZ004-004**

ER Nut Wrench
ER螺帽扳手 **EZ004-004**

HSK-CPA Coolant Pipe
HSK-CPA 填充管 **EZ005-005**

Wrench For HSK Cooling Pipe
HSK冷却液导管扳手 **EZ005-005**

BT Pull Stud Without Hole
BT 螺栓拉头 **EZ006-006**

BT Pull Stud With Cooling Hole
BT螺栓出水拉头 **EZ006-006**

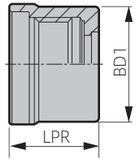
SK Pull Stud With Cooling Hole
SK 螺栓出水拉头 **EZ007-007**

CAT Pull Stud(Metric)
CAT 螺栓拉头（公制） **EZ007-007**

CAT Pull Stud(Inch)
CAT 螺栓拉头（英制） **EZ007-007**

GSK精密高速筒夹刀柄螺帽
GSK Nut For Precision High-Speed Collet Holder





型号 Specification	BD1	LPR	WT(kg)
GSK6	19.5	21	0.06
GSK10	27.1	24	0.10
GSK16	40	31	0.16
GSK20	48	27	0.20
GSK25	55	30	0.30

ER 螺帽
ER Nut


Fig1


Fig2


Fig3

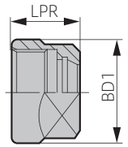


Fig1

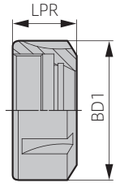


Fig2

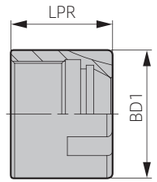


Fig3

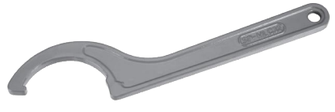
型号 Specification	图 Fig	BD1	LPR	WT(kg)
CNA-ER11	1	19	12	0.02
CNA-ER16	1	28	18	0.05
CNA-ER20	1	33.6	19.5	0.05
CNU-M/RD-ER25	2	42	20.5	0.16
CNU-M/RD-ER32	2	50	23	0.20
CNU-M/RD-ER40	2	63	26	0.30
CNM-ER11	3	16	12	0.01
CNM-ER16	3	23	18	0.05
CNM-ER20	3	28	19	0.05
CNM-ER25	3	35	20	0.10

GSK 精密高速筒夹刀柄扳手
GSK Wrench For Precision High-Speed Collet Holder



型号 Specification	适用刀柄 Tool Holder	WT(kg)
WGSK6	GSK6	0.2
WGSK10	GSK10	0.2
WGSK16	GSK16	0.2
WGSK20	GSK20	0.3
WGSK25	GSK25	0.3

HPC 强力螺帽扳手
HPC Power Nut Wrench



型号 Specification	适用刀柄 Tool Holder	WT(kg)
SP-HPC16	HPC16	0.19
SP-HPC20	HPC20	0.20
SP-HPC25	HPC25	0.31
SP-HPC32	HPC32	0.30
SP-HPC42	HPC42	0.45

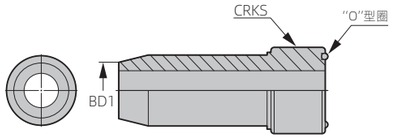
ER螺帽扳手
ER Nut Wrench



型号 Specification	适用螺帽 Clamping Nut	图 Fig	WT(kg)
ER16-A	CNA-ER16	1	0.10
ER20-A	CNA-ER20	1	0.10
ER11-M	CNM-ER11	2	0.20
ER16-M	CNM-ER16	2	0.20
ER20-M	CNM-ER20	2	0.20
ER25-M	CNM-ER25	2	0.20
ER25-UM.KM/RD	CNU-ER25	3	0.20
ER32-UM.KM/RD	CNU-ER32	3	0.20
ER40-UM.KM/RD	CNU-ER40	3	0.30

HSK-CPA 填充管
HSK-CPA Coolant Pipe





型号 Specification	BD1	CRKS	扳手 Wrench	WT(kg)
HSK40-CPA	8	M12*1.0P	WCPA40	0.012
HSK50-CPA	10	M16*1.0P	WCPA50	0.02
HSK63-CPA	12	M18*1.0P	WCPA63	0.028
HSK100-CPA	16	M24*1.5P	WCPA100	0.048

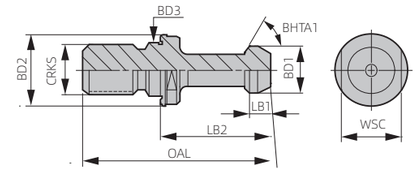
HSK 冷却液导管扳手
Wrench For HSK Coolant Pipe



型号 Specification	适用刀柄 Tool Holder	WT(kg)
WCPA40	HSK40	0.4
WCPA50	HSK50	0.5
WCPA63	HSK63	0.6
WCPA100	HSK100	0.6

BT 螺栓拉头
BT Pull Stud Without Hole

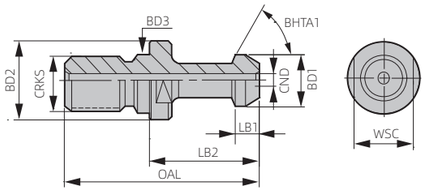




型号 Specification	BD2	BD1	BD3	LB2	LB1	OAL	BHTA1	CRKS	WSC	WT(kg)
BT30-45°	16.5	11	12.5	23	5	43	45°	M12	13	0.03
BT30-60°	16.5	11	12.5	23	5	43	60°	M12	13	0.03
BT40-45°	23	15	17	35	7	60	45°	M16	19	0.08
BT40-60°	23	15	17	35	7	60	60°	M16	19	0.08
BT40-90°	23	15	17	35	7	60	90°	M16	19	0.08
BT50-45°	38	23	25	45	10	85	45°	M24	30	0.26
BT50-60°	38	23	25	45	10	85	60°	M24	30	0.26
BT50-90°	38	23	25	45	10	85	90°	M24	30	0.26

BT螺栓出水拉头
BT Pull Stud With Cooling Hole

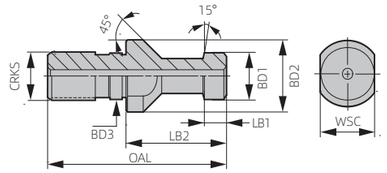




型号 Specification	CND	BD2	BD1	BD3	LB2	LB1	OAL	BHTA1	CRKS	WSC	WT(kg)
BT40-45°C	4	23	15	17	35	7	60	45°	M16	19	0.07
BT40-60°C	4	23	15	17	35	7	60	60°	M16	19	0.07
BT40-90°C	4	23	15	17	35	7	60	90°	M16	19	0.07
BT50-45°C	6	38	23	25	45	10	85	45°	M24	30	0.25
BT50-60°C	6	38	23	25	45	10	85	60°	M24	30	0.25
BT50-90°C	6	38	23	25	45	10	85	90°	M24	30	0.25

SK 螺栓出水拉头
SK Pull Stud With Cooling Hole

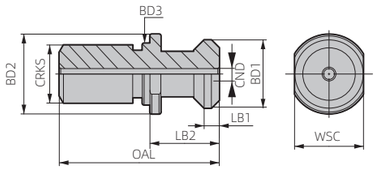




型号 Specification	CND	BD2	BD1	BD3	LB2	LB1	OAL	CRKS	WSC	WT(kg)
SK30A	-	17	13	13	24	5	44	M12	14	0.05
SK40A	7	23	19	17	26	6	54	M16	19	0.06
SK50A	11.5	36	28	25	34	9	74	M24	30	0.24

CAT 螺栓拉头（公制）
CAT Pull Stud(Metric)





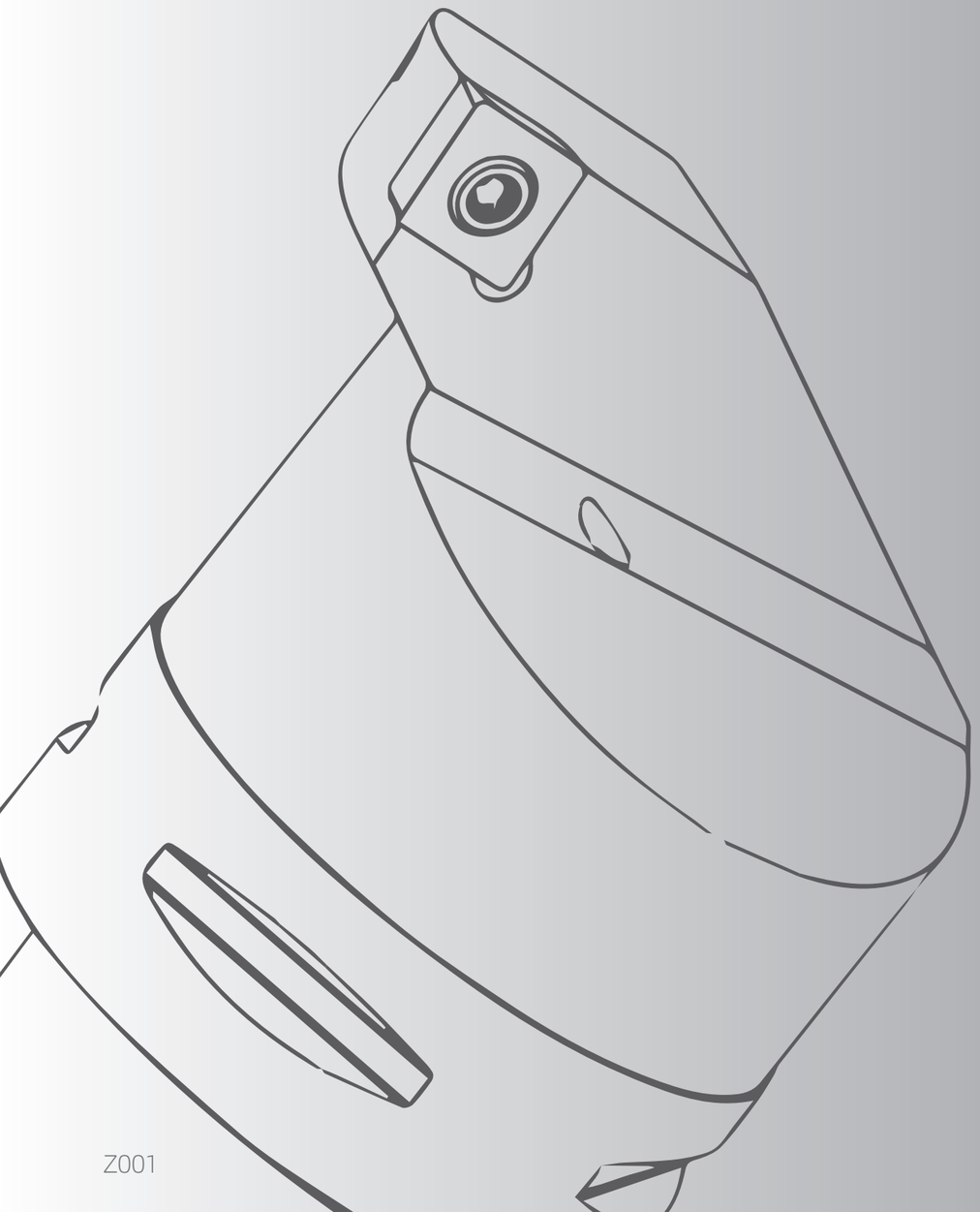
型号 Specification	CND	BD2	BD1	BD3	LB2	LB1	OAL	CRKS	WSC	WT(kg)
CAT40-45°	-	23.8	18.8	12.4	16.2	5	38.1	M16*2.0P	19.05	0.04
CAT50-45°	-	36.5	28.9	20.8	25.4	7.7	58.4	M24*3.0P	31.75	0.17
CAT40-45°C	7.1	23.8	18.8	12.4	16.2	5	38.1	M16*2.0P	19.05	0.03
CAT50-45°C	11.9	36.5	28.9	20.8	25.4	7.7	58.4	M24*3.0P	31.75	0.16

CAT 螺栓拉头（英制）
CAT Pull Stud(Inch)

型号 Specification	CND	BD2	BD1	BD3	LB2	LB1	OAL	CRKS	WSC	WT(kg)
CAT40-45°	-	0.94"	0.74"	0.49"	0.64"	0.2"	1.5"	5/8"-11UNC	0.75"	0.04
CAT50-45°	-	1.44"	1.14"	0.82"	1"	0.3"	2.3"	1"-8UNC	1.25"	0.17
CAT40-45°C	0.281"	0.94"	0.74"	0.49"	0.64"	0.2"	1.5"	5/8"-11UNC	0.75"	0.03
CAT50-45°C	0.468"	1.44"	1.14"	0.82"	1"	0.3"	2.3"	1"-8UNC	1.25"	0.16

刀具夹持 Tool Clamping

刀具夹持 Tool Clamping



Z

TECHNICAL DATA
技术资料

Dimensional Tolerance Overview Table
尺寸公差总览表 **Z003-003**

Tolerence Grade
公差等级 **Z004-004**

Basic Deviation Value
基本偏差数值 **Z005-005**

Cutting Threads For Bottom Hole Size Table
切削螺纹和铣削螺纹底孔尺寸表 **Z006-006**

Extruded Threads For Bottom Holes Size Table
挤压螺纹底孔尺寸表 **Z007-007**

Turning Tools Processing Methods
车刀加工方式 **Z008-008**

Technical Guide Of Turning Tools
车削刀杆技术资料 **Z009-009**

Calculates Methods Of Cutting
切削计算公式 **Z010-010**

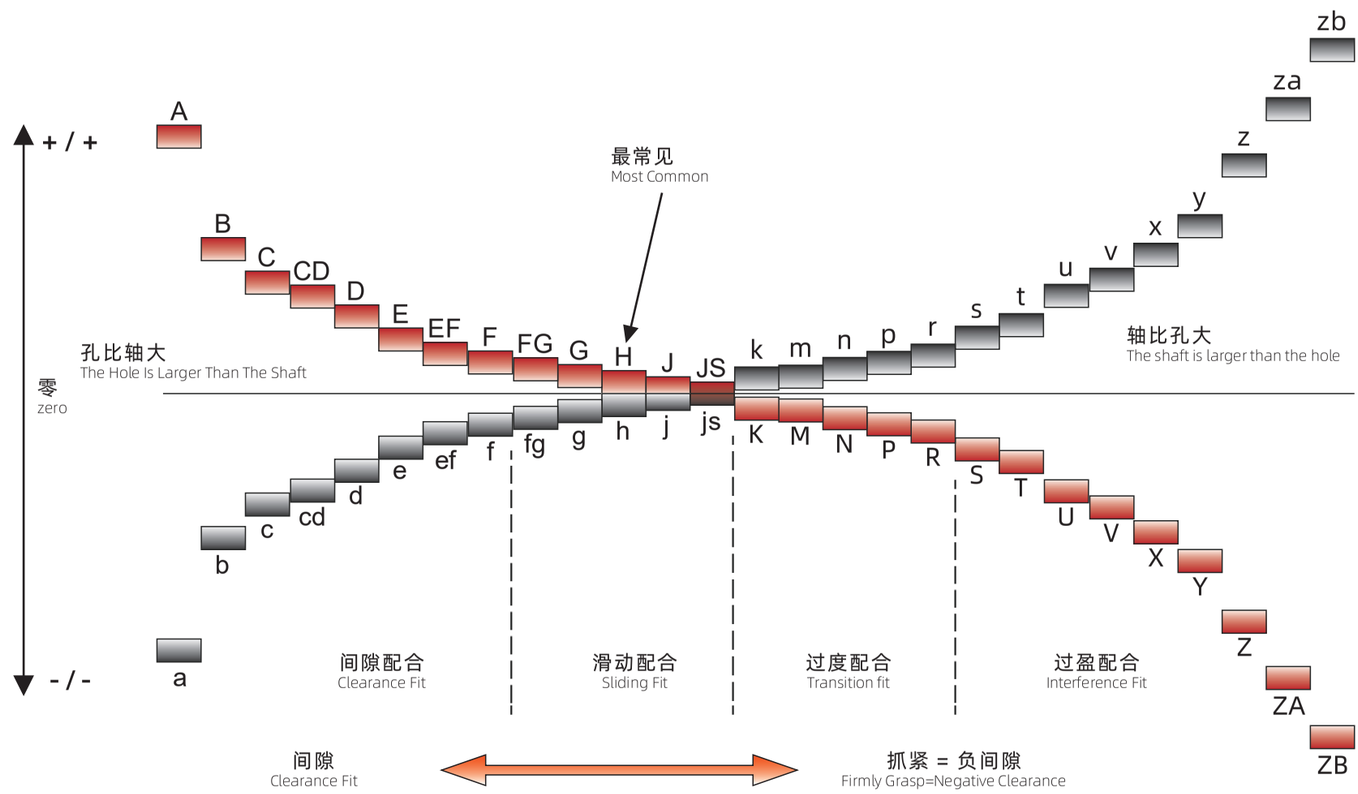
RPM Conversion Table
RPM换算表 **Z011-011**

Instructions For Screw Tightening Insert
螺丝安装刀片说明 **Z012-012**

Tool Holder Specification
刀柄详细图 **Z013-014**

尺寸公差总览表 Dimensional Tolerance Overview Table

基本类型 Basic Type	基本公差与配合 Basic Tolerances And Fits																										
	间隙配合 Clearance Fit							转动&滑动配合 Rotating&Sliding Fit						过盈配合 Interference Fit						固定连接 fixed Connection							
孔 Hole	A	B	C	CD	D	E	EF	F	FG	G	H	J	JS	K	M	N	P	R	S	T	U	V	X	Y	Z	ZA	ZB	ZC
轴 Shaft	a	b	c	cd	d	e	ef	f	fg	g	h	j	js	k	m	n	p	r	s	t	u	v	x	y	z	za	zb	zc



公差等级 Tolerence Grade

基本尺寸 Basic Size（mm）		IT01	IT0	IT1	IT2	IT3	IT4	IT5	IT6	IT7	IT8	IT9	IT10	IT11	IT12	IT13	IT14	IT15	IT16	IT17	IT18
>	to	μm													mm						
-	3	0.30	0.50	0.80	1.20	2.00	3.00	4.00	6.00	10.00	14.00	25.00	40.00	60.00	0.10	0.14	0.25	0.40	0.60	1.00	1.40
3	6	0.40	0.60	1.00	1.50	2.50	4.00	5.00	8.00	12.00	18.00	30.00	48.00	75.00	0.12	0.18	0.30	0.48	0.75	1.20	1.80
6	10	0.40	0.60	1.00	1.50	2.50	4.00	6.00	9.00	15.00	22.00	36.00	58.00	90.00	0.15	0.22	0.36	0.58	0.90	1.50	2.20
10	18	0.50	0.80	1.20	2.00	3.00	5.00	8.00	11.00	18.00	27.00	43.00	70.00	110.00	0.18	0.27	0.43	0.70	1.10	1.80	2.70
18	30	0.60	1.00	1.50	2.50	4.00	6.00	9.00	13.00	21.00	33.00	52.00	84.00	130.00	0.21	0.33	0.52	0.84	1.30	2.10	3.30
30	50	0.60	1.00	1.50	2.50	4.00	7.00	11.00	16.00	25.00	39.00	62.00	100.00	160.00	0.25	0.39	0.62	1.00	1.60	2.50	3.90
50	80	0.80	1.20	2.00	3.00	5.00	8.00	13.00	19.00	30.00	46.00	74.00	120.00	190.00	0.30	0.46	0.74	1.20	1.90	3.00	4.60
80	120	1.00	1.50	2.50	4.00	6.00	10.00	15.00	22.00	35.00	54.00	87.00	140.00	220.00	0.35	0.54	0.87	1.40	2.20	3.50	5.40
120	180	1.20	2.00	3.50	5.00	8.00	12.00	18.00	25.00	40.00	63.00	100.00	160.00	250.00	0.40	0.63	1.00	1.60	2.50	4.00	6.30
180	250	2.00	3.00	4.50	7.00	10.00	14.00	20.00	29.00	46.00	72.00	115.00	185.00	290.00	0.46	0.72	1.15	1.85	2.90	4.60	7.20
250	315	2.50	4.00	6.00	8.00	12.00	16.00	23.00	32.00	52.00	81.00	130.00	210.00	320.00	0.52	0.81	1.30	2.10	3.20	5.20	8.10
315	400	3.00	5.00	7.00	9.00	13.00	18.00	25.00	36.00	57.00	89.00	140.00	230.00	360.00	0.57	0.89	1.40	2.30	3.60	5.70	8.90
400	500	4.00	6.00	8.00	10.00	15.00	20.00	27.00	40.00	63.00	97.00	155.00	250.00	400.00	0.63	0.97	1.55	2.50	4.00	6.30	9.70
500	630	4.50	6.00	9.00	11.00	16.00	22.00	30.00	44.00	70.00	110.00	175.00	280.00	440.00	0.70	1.10	1.75	2.80	4.40	7.00	11.00
630	800	5.00	7.00	10.00	13.00	18.00	25.00	35.00	50.00	80.00	125.00	200.00	320.00	500.00	0.80	1.25	2.00	3.20	5.00	8.00	12.50
800	1000	5.50	8.00	11.00	15.00	21.00	29.00	40.00	56.00	90.00	140.00	230.00	360.00	560.00	0.90	1.40	2.30	3.60	5.60	9.00	14.00
1000	1250	6.50	9.00	13.00	18.00	24.00	34.00	46.00	66.00	105.00	165.00	260.00	420.00	660.00	1.05	1.65	2.60	4.20	6.60	10.50	16.50
1250	1600	8.00	11.00	15.00	21.00	29.00	40.00	54.00	78.00	125.00	195.00	310.00	500.00	780.00	1.25	1.95	3.10	5.00	7.80	12.50	19.50
1600	2000	9.00	13.00	18.00	25.00	35.00	48.00	65.00	92.00	150.00	230.00	370.00	600.00	920.00	1.50	2.30	3.70	6.00	9.20	15.00	23.00
2000	2500	11.00	15.00	22.00	30.00	41.00	57.00	77.00	110.00	175.00	280.00	440.00	700.00	1100.00	1.75	2.80	4.40	7.00	11.00	17.50	28.00
2500	3150	13.00	18.00	26.00	36.00	50.00	69.00	93.00	135.00	210.00	330.00	540.00	860.00	1350.00	2.10	3.30	5.40	8.60	13.50	21.00	33.00

基本偏差数值 Basic Deviation Value

| 基本尺寸 Basic Size (mm) | | 所有公差等级 All Tolerance Grade | | |

挤压螺纹底孔尺寸表 Extruded Threads For Bottom Holes Size Table

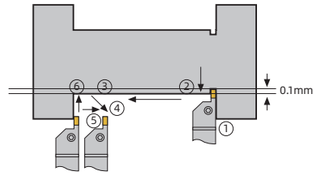
螺纹 Threads	英制规格 British	螺距 Pitch	孔Ø Hole Ø	最小公差 Minimum Tolerance	最大公差 Maximum Tolerance
M3	-	0,5	2,80	2,78	2,82
M3,5	-	0,6	3,25	3,22	3,28
M4	-	0,7	3,70	3,67	3,73
MF5	-	0,5	4,80	4,78	4,82
M5	-	0,8	4,65	4,62	4,68
M6	-	1	5,55	5,52	5,58
MF6X0,75	-	0,75	5,65	5,62	5,68
MF7	-	0,75	6,65	6,62	6,68
M7	-	1	6,55	6,52	6,58
MF8	-	0,75	7,65	7,62	7,68
MF8	-	1	7,55	7,52	7,58
M8	-	1,25	7,45	7,41	7,49
MF10	-	1	9,55	9,52	9,58
MF10	-	1,25	9,45	9,41	9,49
M10	-	1,5	9,35	9,31	9,39
MF12	-	1	11,55	11,52	11,58
MF12	-	1,25	11,45	11,41	11,49
MF12	-	1,5	11,35	11,31	11,39
M12	-	1,75	11,20	11,15	11,25
MF14	-	1	13,55	13,52	13,58
MF14	-	1,25	13,45	13,41	13,49
MF14	-	1,5	13,35	13,31	13,39
M14	-	2	13,10	13,05	13,15
MF16	-	1,5	15,35	15,31	15,39
M16	-	2	15,10	15,05	15,15
M20	-	2,5	18,90	18,85	18,95
M24	-	3	22,65	22,60	22,70

车刀加工方式 Turning Tools Processing Methods

切断/Parting-off

1.当刀片接近工件中心，应降低切削速度30%，有利于提高刀片寿命和表面质量。
2.在允许的情况下，尽可能选用悬伸小的刀柄，以保证良好的稳定性。

1.When the insert was close to the workpiece center, should reduce 30% of cutting speed to improve the insert lifetime and surface quality.
2.If allowed,in order to keep stability,please choose the holder as short as we can.



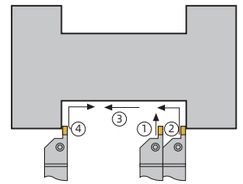
外圆切槽车削，仿形车削
External Groove Turning, And Profiling Turning

走刀顺序：切削深度＞0.5mm时，径向进刀（最大切深可0.75*刀片刃宽S）→径向退刀0.1mm左右→轴向走刀→斜向退刀→轴向走刀→径向加工到所需深度。

切削底经或倒角（精加工）时，采用如图所示操作顺序，可减小刀具与切屑的摩擦而引起的小振动。

The sequence of feed: cutting depth of cut ＞0.5mm, radial direction feeding(deepest depth of cut can reach 0.75*insert blade width S)→radial direction retract around 0.1mm→axial direction feeding →slope direction retract axial direction feeding→radial direction processing till to reach the required depth.

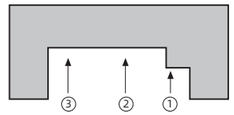
During cutting or chamfering (finish machining), operate as the sequence shown in this figure will reduce the small vibration generated from the cutting tools and the friction during cutting.



端面切槽和车削
Face Groove And Turning

■粗加工(多槽切削)/Rough Machining(Multiple-grooved Cutting)
从最大直径向内切削，退刀时，刀片稍向内边缘偏移。如图示（1）

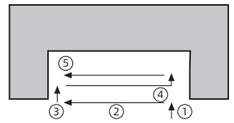
During retract after cutting from the biggest diameter to inner, shift the insert to the inner edge a little. As shown in figure(1)



图示(1)
Figure1

■凹槽车削/Recessing
轴向车削深度不超过0.75*S（刀片刃宽）
槽宽大于槽深，建议使用凹槽车削，如图示（2）
槽深大于槽宽，建议使用采用多槽切削。

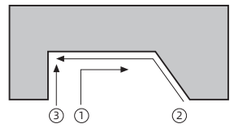
Axial direction turning depth not exceeding 0.75*S (insert edge width);
when groove width is bigger than groove depth, it is suggested to use recessing process, as shown in figure(2);
when groove depth is bigger than groove width, it is suggested to use multiple-grooving turning.



图示(2)
Figure2

■精加工/Finishing Processing
先精加工底部和外径边缘，再将内径精加工到所需尺寸。如图示（3）

First to finish machine the bottom and outer diameter edge, and then finish machine the inner diameter to the required dimensions.As shown in figure(3)

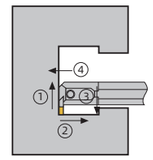


图示(3)
Figure3

内孔切槽车削/Internal Groove Turning

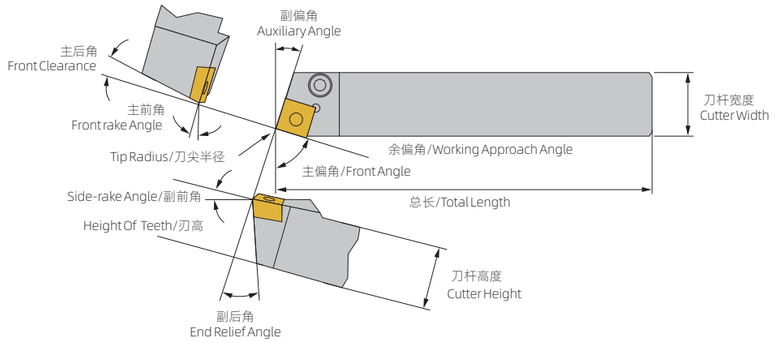
■采用图示的加工顺序/Internal Grooving Tools
便于切削液流出，总是从远离孔端面的方向开始向外进给。

Using the processing sequence as shown in this figure
For better cutting fluid outflow, always feed outward from the direction that far from the hole end face.



车削刀杆技术资料 Technical Guide Of Turning Tools

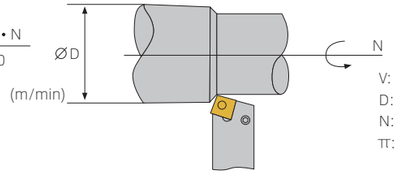
车削刀杆技术资料/Technical Guide Of Turning Tools



常用切削公式/Common Formulas Of Cutting

■切削速度/Cutting Speed

$$V = \frac{\pi \cdot D \cdot N}{1000} \quad (m/min)$$



V: 切削速度(m/min)
D: 工作直径(mm)
N: 转数（rpm）
π: 圆周率（3.14）

■进给/Feed

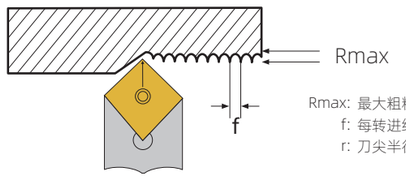
$$f = \frac{F}{N} \quad (m/min)$$

f: 每转进给（m/rev）
F: 每分钟进给（m/min）
N: 转数（rpm）

■表面粗糙度/Surface Roughness

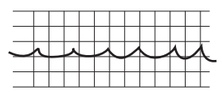
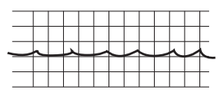
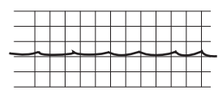
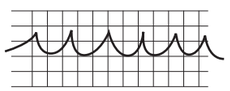
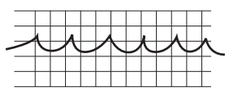
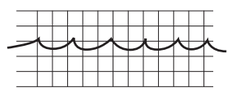
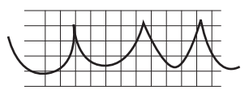
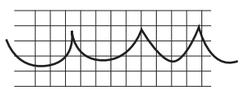
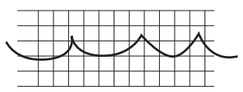
理论表面粗糙度/Theory Surface Roughness

$$Rmax = \frac{f^2}{8r} 1000 \ (\mu)$$



Rmax: 最大粗糙度（μ）
f: 每转进给（mm/rev）
r: 刀尖半径

■刀尖半径和进给对粗糙的影响/ Effects On Roughness From Cutting Feed And Nose Radius

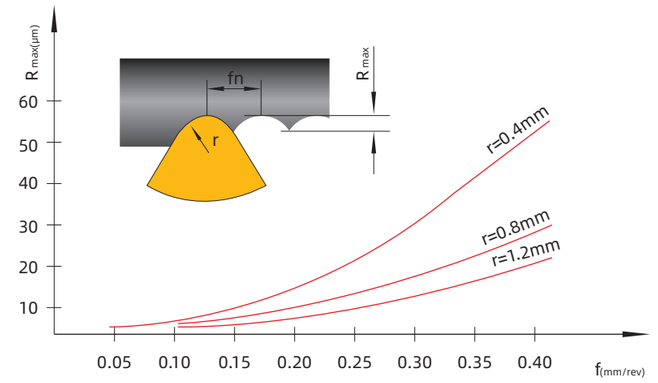
进给量/Cutting Feed	刀尖半径/Nose Radius		
	0.4	0.8	1.2
0.15			
0.26			
0.46			

切削速度和动力 / Cutting Speed&Power

切削速度 Cutting Speed	$V = \frac{3.14 \times D \times N}{1000}$ (m/min)	V: 切削速度(m/min) D: 铣刀直径(mm) N: 转速(R.P.M) F: 工作台进给(mm/min) Fz: 每刃进给量(mm/tooth) Z: 刃数 V: Cutting Speed (m/min) D: Milling Cutter Diameter (mm) N: Rotational Speed (R.P.M) F: Workbench Feed (mm/min) Fz: Feed Rate Per Teeth (mm/teeth) Z: Teeth
进给 Feed	$F = FZ \times Z \times N$ (mm/min) $V = \frac{F}{ZN}$ (m/min)	
所需动力 Power	$W = \frac{Q \times Ks}{60 \times 102 \times \eta}$ (m/min) $Hp = \frac{W}{0.75}$ (m/min) $Q = \frac{L \times F \times d}{1000}$ (m/min) $= \frac{d \times f \times V \times L \times z}{3.14 \times D}$	W:所需动力 HP:所需马力 Q:排出量 L: 切削速度 F: 工作台进给(mm/min) d: 切削深度(mm) Ks: 非切削阻力 n:机械效率 W: Required Power HP: Required Horsepower Q: Discharge L: Cutting Speed F: Workbench Feed (mm/min) d: Cutting Depth (mm) Ks: Non-cutting Resistance n: Mechanical Efficiency

表面粗糙度的理论值Rmax的计算公式 Surface Roughness Formula

- Rmax= $\frac{fn^2}{8r}$ X 1000,μm
- Rmax：残留面积高度,μm
  Vertical deviations of the roughness from the mean line
- r：刀尖半径Nose Radius (mm)
- fn：每转进给Feed Rate (mm/rev)



表面粗糙度与刀尖半径，进给量的关系表 Table of Surface Roughness, Insert Radius & Feed Rate

Rt	Ra	ISO1302	刀尖半径及进给量（mm/rev） Nose Radius (r) / Feed Rate (mm/rev)			
			r=0.4	r=0.8	r=1.2	r=1.6
▽Rt100	12.5-25	25/▽	-	0.51	0.69	0.88
▽Rt63	6.3-25	12.5/▽	0.27	0.43	0.56	0.68
▽Rt40	4.9-6.3	6.3/▽	0.25	0.37	0.49	0.57
▽Rt31.5	4.0-4.9		0.22	0.32	0.41	0.47
▽Rt25	2.5-4.0	3.2/▽	0.20	0.28	0.36	0.39
▽Rt16	1.6-2.5		0.15	0.22	0.29	0.31
▽Rt10	1.0-1.6	1.6/▽	0.10	0.13	0.18	0.20

RPM换算表
RPM Conversion Table

刃径 Dia.	VC切削速度m/min cutting speed															
D	20	30	40	50	60	70	80	90	100	120	140	150	180	200	250	300
0.2	31850	47770	63690	79620	95540	111460	127390	143310	159240	191080	222930	238850	286620	318470	398090	477710
0.3	21230	31850	42460	53080	63690	74310	84930	95540	106160	127390	148620	159240	191080	212310	265390	318470
0.4	15920	23890	31850	39810	47770	55730	63690	71660	79620	95540	111460	119430	143310	159240	199040	238850
0.5	12740	19110	25480	31850	38220	44590	50960	57320	63690	76430	89170	95540	114650	127390	159240	191080
0.6	10620	15920	21230	26540	31850	37150	42460	47770	53080	63690	74310	79620	95540	106160	132700	159240
0.7	9100	13650	18200	22750	27300	31850	36400	40950	45500	54600	63690	68240	81890	90990	113740	136490
0.8	7960	11940	15920	19900	23890	27870	31850	35830	39810	47770	55730	59710	71660	79620	99520	119430
0.9	7080	10620	14150	17690	21230	24770	28310	31850	35390	42460	49540	53080	63690	70770	88460	106160
1.0	6370	9550	12740	15920	19110	22290	25480	28660	31850	38220	44590	47770	57320	63690	79620	95540
1.2	5310	7960	10620	13270	15920	18580	21230	23890	26540	31850	37150	39810	47770	53080	66350	79620
1.5	4250	6370	8490	10620	12740	14860	16990	19110	21230	25480	29720	31850	38220	42460	53080	63690
1.8	3540	5310	7080	8850	10620	12380	14150	15920	17690	21230	24770	26540	31850	35390	44230	53080
2.0	3180	4780	6370	7960	9550	11150	12740	14330	15920	19110	22290	23890	28660	31850	39810	47770
2.2	2900	4340	5790	7240	8690	10130	11580	13030	14480	17370	20270	21710	26060	28950	36190	43430
2.5	2550	3820	5100	6370	7640	8920	10190	11460	12740	15290	17830	19110	22930	25480	31850	38220
2.8	2270	3410	4550	5690	6820	7960	9100	10240	11370	13650	15920	17060	20470	22750	28430	34120
3.0	2120	3180	4250	5310	6370	7430	8490	9550	10620	12740	14860	15920	19110	21230	26540	31850
3.5	1820	2730	3640	4550	5460	6370	7280	8190	9100	10920	12740	13650	16380	18200	22750	27300
4.0	1590	2390	3180	3980	4780	5570	6370	7170	7960	9550	11150	11940	14330	15920	19900	23890
4.5	1420	2120	2830	3540	4250	4950	5660	6370	7080	8490	9910	10620	12740	14150	17690	21230
5.0	1270	1910	2550	3180	3820	4460	5100	5730	6370	7640	8920	9550	11460	12740	15920	19110
5.5	1160	1740	2320	2900	3470	4050	4630	5210	5790	6950	8110	8690	10420	11580	14480	17370
6.0	1060	1590	2120	2650	3180	3720	4250	4780	5310	6370	7430	7960	9550	10620	13270	15920
6.5	980	1470	1960	2450	2940	3430	3920	4410	4900	5880	6860	7350	8820	9800	12250	14700
7.0	910	1360	1820	2270	2730	3180	3640	4090	4550	5460	6370	6820	8190	9100	11370	13650
7.5	850	1270	1700	2120	2550	2970	3400	3820	4250	5100	5940	6370	7640	8490	10620	12740
8.0	800	1190	1590	1990	2390	2790	3180	3580	3980	4780	5570	5970	7170	7960	9950	11940
8.5	750	1120	1500	1870	2250	2620	3000	3370	3750	4500	5250	5620	6740	7490	9370	11240
9.0	710	1060	1420	1770	2120	2480	2830	3180	3540	4250	4950	5310	6370	7080	8850	10620
9.5	670	1010	1340	1680	2010	2350	2680	3020	3350	4020	4690	5030	6030	6700	8380	10060
10	640	960	1270	1590	1910	2230	2550	2870	3180	3820	4460	4780	5730	6370	7960	9550
11	580	870	1160	1450	1740	2030	2320	2610	2900	3470	4050	4340	5210	5790	7240	8690
12	530	800	1060	1330	1590	1860	2120	2390	2650	3180	3720	3980	4780	5310	6630	7960
13	490	730	980	1220	1470	1710	1960	2200	2450	2940	3430	3670	4410	4900	6120	7350
14	450	680	910	1140	1360	1590	1820	2050	2270	2730	3180	3410	4090	4550	5690	6820
15	420	640	850	1060	1270	1490	1700	1910	2120	2550	2970	3180	3820	4250	5310	6370
16	400	600	800	1000	1190	1390	1590	1790	1990	2390	2790	2990	3580	3980	4980	5970
17	370	560	750	940	1120	1310	1500	1690	1870	2250	2620	2810	3370	3750	4680	5620
18	350	530	710	880	1060	1240	1420	1590	1770	2120	2480	2650	3180	3540	4420	5310
19	340	500	670	840	1010	1170	1340	1510	1680	2010	2350	2510	3020	3350	4190	5030
20	320	480	640	800	960	1110	1270	1430	159	1910	2230	2390	2870	3180	3980	4780
21	300	450	610	760	910	1060	1210	1360	1520	1820	2120	2270	2730	3030	3790	4550
22	290	430	580	720	870	1010	1160	1300	1450	1740	2030	2170	2610	2900	3620	4340
23	280	420	550	690	830	970	1110	1250	1380	1660	1940	2080	2490	2770	3460	4150
24	270	400	530	660	800	930	1060	1190	1330	1590	1860	1990	2390	2650	3320	3980
25	250	380	510	640	760	890	1020	1150	1270	1530	1780	1910	2290	2550	3180	3820
26	240	370	490	610	730	860	980	1100	1220	1470	1710	1840	2200	2450	3060	3670
27	240	350	470	590	710	830	940	1060	1180	1420	1650	1770	2120	2360	2950	3540
28	230	340	450	570	680	800	910	1020	1140	1360	1590	1710	2050	2270	2840	3410
29	220	330	440	550	660	770	880	990	1100	1320	1540	1650	1980	2200	2750	3290
30	210	320	420	530	640	740	850	960	1060	1270	1490	1590	1910	2120	2650	3180
31	210	310	410	510	620	720	820	920	1030	1230	1440	1540	1850	2050	2570	3080
32	200	300	400	500	600	700	800	900	1000	1190	1390	1490	1790	1990	2490	2990

螺丝安装刀片说明
Instructions For Screw Tightening Insert

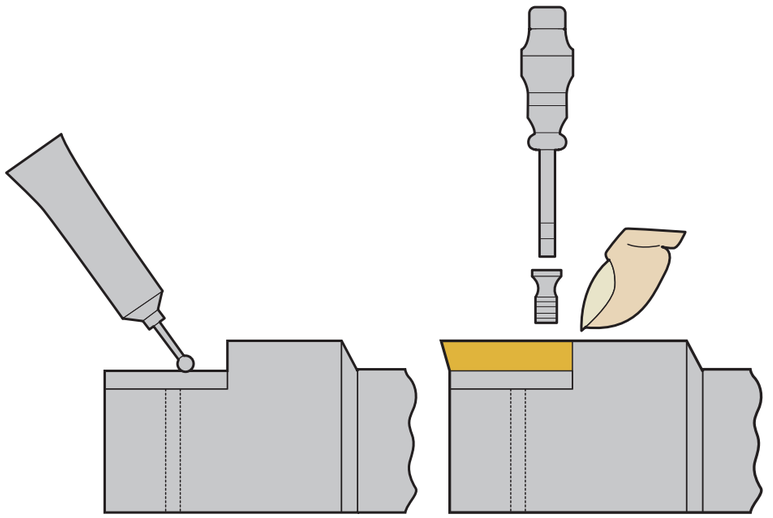
1 在刀片安装时，必须用螺丝防卡剂按常规涂到刀具本体螺孔的螺纹上。
Before assembling inserts, please oil the screw hole of tool holder with lubrication oil.

2 在扭紧螺丝之前，应以手指压住后端以确保刀片的下表面和垫片相靠合。
Make sure the insert and shim connects well before fastening.

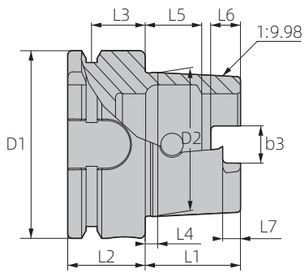
3 刀片决不能靠紧固螺丝将它拖到位置上，这样会使它提升到错误的位置并使拧紧失效。
Don't fit insert with screw only, or the insert will be misplaced, which will result in a bad fastening.

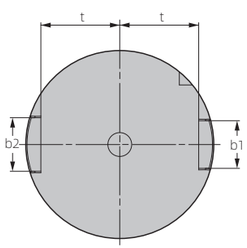
4 在拧紧螺丝时，建议采用我们的扳手或其他扭矩扳手以使螺丝不被拧坏并确保安拧紧失效。
When tightening screws, it is recommended to use our wrench to prevent them from being damaged and ensure effective tightening.
Suitable wrench is suggested.

5 上述安装方法适用于所有用中心螺丝固定刀片的刀具上。
The above-mentioned assembling method is suitable for all the cutting tools with insert and screw.



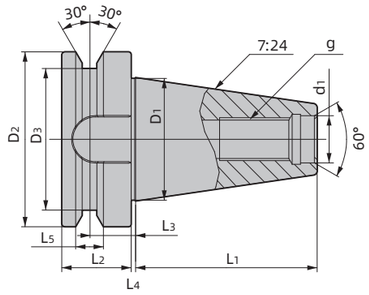
HSK柄详细图
HSK Tool Holder Detailed Drawings - DIN69893

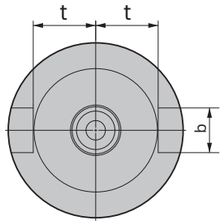




型号 Specification	D1	D2	L1	L2	L3	L4	L5	L6	L7	b1	b2	b3	t
HSK40A	40	30.007	20	20	16	4.0	11.42	6.0	3.5	11	9	8.05	17.0
HSK50A	50	38.009	25	26	18	5.0	14.13	7.5	4.5	14	12	10.54	21.0
HSK63A	63	48.010	32	26	18	6.3	18.13	10.0	6.0	18	16	12.50	26.5
HSK100A	100	75.013	50	29	20	10.0	28.56	15.0	10.0	22	20	20.00	44.0

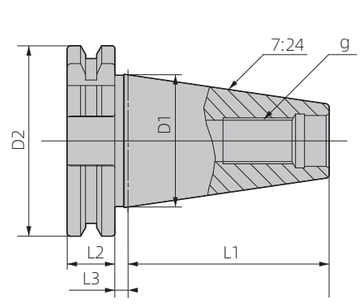
BT柄详细图
BT Tool Holder Detailed Drawings - JIS MAS403

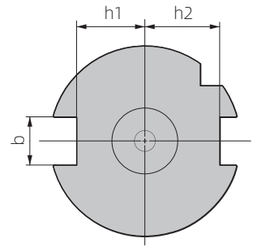




型号 Specification	D1	D2	D3	d1	L1	L2	L3	L4	L5	b	t	g
BT30	31.75	46	38	12.5	48.4	20	13.6	2	8	16.1	16.3	M12
BT40	44.45	63	53	17.0	65.4	25	16.6	2	10	16.1	22.6	M16
BT50	69.85	100	85	25.0	101.8	35	23.2	3	15	25.7	35.4	M24

SK柄详细图
SK Tool Holder Specification - DIN69871





型号 Specification	D1	D2	L1	L2	L3	b	h1	h2	g
SK30	31.75	50.00	47.80	15.9	3.2	16.1	16.4	19	M12
SK40	44.45	63.55	68.40	15.9	3.2	16.1	22.8	25	M16
SK50	69.85	97.50	101.75	15.9	3.2	25.7	35.5	37.7	M24

技术资料 Technical Data

注意事项
CAUTIONS

安装刀具，拆卸刀具时注意事项
Warning For Assembling / Disassembling Of Tooling

1. 请将刀柄牢固的固定在卸刀夹具上，然后再进行刀具的安装与拆卸操作。
   A locking device for tool holders is required.
2. 在安装刀具时请勿将手直接与刀刃接触，防止将手划伤。
   No Hand touch on the cutting edge.
3. 为了保证刀具的安全安装，请务必使用我公司提供的紧固扳手。
   Torkoal wrench is required.
4. 在将刀具安装上机床上时，请务必确认刀具上所有的紧固件已被锁紧。
   Fasten the tool holder properly before being used on machine.

加工时注意事项
Warning For Processing

1. 请勿接触旋转中的刀柄或刀具。
   No touch tools under working.
2. 加工时请穿戴防护服与目镜，防止飞溅的高温切屑的伤害。
   Wear protective clothing and safety glasses.
3. 加工时为了防止意外事故的发生，在刀具旋转时请勿打开机床的防护门。
   The protection door of machines shall be closed when it is under working.

刀具长期保养注意事项
Warning For Maintenance

1. 刀具长期不使用时，请将刀具从刀柄上拆卸下来，否则会导致刀柄的夹持力和夹持精度的下降及联接面的锈蚀。
   Please remove the cutting tools from tool holder when it is not used for a long time, otherwise the clamping force and precision of the tool holder will be declined and the connecting surface will be rusted.
2. 保存前请将刀具，刀柄上的切屑切削液清理干净，并进行适当的防锈处理，如涂覆防锈油等。
   Please clean cutting tools and tool holders before storing, and also perform rust-proof treatment properly.

技术资料
Technical Data
TORKOOL