



硬质合金标准钻头

硬质合金标准钻头介绍	15
硬质合金标准钻头索引	22
硬质合金标准钻头尺寸表	27
SD系列整体硬质合金螺旋槽钻头	28
ASD系列整体硬质合金铝用螺旋槽钻头	64
FD系列整体硬质合金直槽钻头	88
MD整体硬质合金微孔钻头	112
FSD整体硬质合金平底钻头	117
CD整体硬质合金定点钻	120
硬质合金标准钻头切削参数	123
SD系列整体硬质合金螺旋槽钻头	124
ASD系列整体硬质合金铝用螺旋槽钻头	130
FD系列整体硬质合金直槽钻头	132
MD整体硬质合金微孔钻头	135
FSD整体硬质合金平底钻头	136
CD整体硬质合金定点钻	136



HE/SE 系列高性能整体硬钻头 HE/SE High Efficiency Carbide Drill

适合高速加工
High Speed Drilling
Recommend



产品特点 / Features

■ 优异的钻尖形式 Optimizational Point Geometry

容屑槽是圆弧过度，增加了钻尖的强度，后角是铲磨成圆弧，并配合良好的钝化工艺。

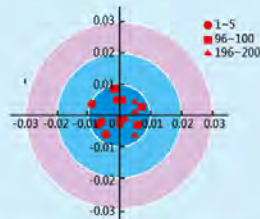
Radius transition between cutting edge and cone relief surface enhancing the rigidity; special honing technology.



■ 采用铣刀柄式设计 End Mill Shank

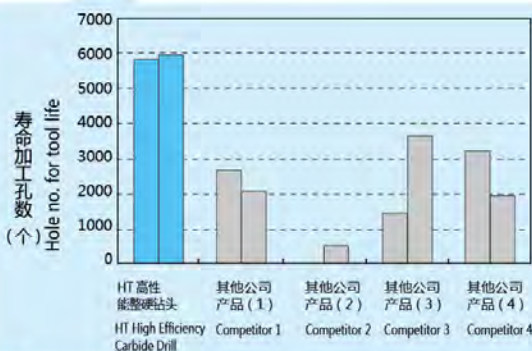
采用铣刀相同的柄部形式，实现高精度钻孔。

Achieve high precision tolerance of the hole due to the high quality end mill shank.



加工案例 / Application Case

加工寿命比较 / Tool life comparison



切削条件 / Drilling Condition

被加工材料 / Work Material:
合金钢 SCM440 / Alloy Steel SCM440
钻头直径 / Diameter:
Dia8.0mm
切削速度 / Cutting Speed:
100m / min
进给量 / Fv:
1200mm / min
冷却方式 / Coolant:
Emulsion
涂层 / Coating:
TiAlN

排屑性能比较 / Chips comparison

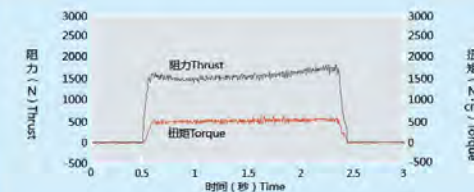
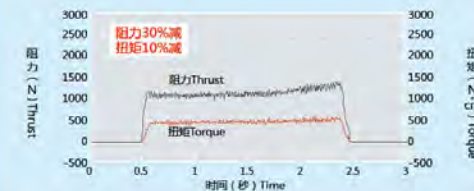
AST HT
系列钻头
AST HT
Drill



其他公司
产品
Competitor



切削抗力比较 / Cutting force comparison



系列	基体	性能特点
HE	高性能硬质合金基体	选择高性能超细粒硬质合金作为基体，确保刀具的高效率和高寿命，且在加工耐热合金等难加工材料性能也很优异。
SE	经济且性能优异硬质合金基体	精选较经济且性能稳定的硬质合金作为基体，使刀具加工稳定且有很高的性价比。

可加工材料 / Application Work Material

系列 Series	被切削材料 Work Material													
	结构钢 Structural Steel	碳素钢 Carbon Steel	合金钢 Alloy Steel	预硬化钢 Pre-Hardened Steel	调质钢、模具钢、高硬度钢 Hardened Steel				不锈钢 Stainless Steel	钛合金、耐热合金 Titanium Alloys, Nickel Alloys	铸铁 Cast Irons	铝合金 Aluminum Alloys	铜合金 Copper Alloys	树脂 Plastic
					HRC30-45	HRC45-55	HRC55-60	>HRC60						
HE	◎	◎	◎	◎	◎	◎		◎	○	○		○		
SE	◎	◎	◎	◎	◎	○		○		○		○		

备注 Note: 被加工材料选择基准 (◎ 最适合 ○ 适合) Selection Chart (◎ Most Suitable ○ Suitable)

可选类型和尺寸范围 / Types available and diameter ranges

尺寸范围: Φ 2.00-20.00

3倍径/3D

3倍径内冷/3D with oil-hole



5倍径/5D

5倍径内冷/5D with oil-hole



7倍径/7D

7倍径内冷/7D with oil-hole





SA系列基准型铝用螺旋槽钻头 SA High Efficiency Carbide Drill for Aluminum Alloys

无涂层
Uncoated



产品特点 / Feature

- 针对铝合金加工的独特性，设计了专用的钻尖角和排屑槽。
Specially designed sharp drill corners and large drill flute for Aluminum drilling.
- 排屑槽做了特殊的抛光处理，保证了排屑的通畅性。
Special polished flutes make more patency chip.



SD系列高性能铝用螺旋槽钻头 SD High Efficiency Carbide Drill for Aluminum Alloys

DLC涂层
DLC Coating



产品特点 / Feature

- 采用具有高硬度、低摩擦系数、耐磨损等特性的DLC(类金刚石碳)镀层，可进行铝合金的干式加工。
DLC (Diamond Like Carbon) coating is high hardness and low friction rate material and has similar character with Diamond. Application for the ultra high speed cutting of Aluminum in DRY!
- 通过采用低摩擦系数的DLC镀层与特殊沟槽形状，切屑附着少，不易堵塞，所以可实现孔深5D的无阶式加工。
Trouble free drilling by unique flute geometry Stable & extra long tool life is realized by DLC film & its unique flute.

可选类型和尺寸范围 / Types available and diameter ranges

尺寸范围: Φ 2.00-20.00

3倍径/3D

3倍径内冷/3D with oil-hole



5倍径/5D

5倍径内冷/5D with oil-hole



7倍径/7D

7倍径内冷/7D with oil-hole



MD系列高性能微孔钻头 MD High Efficiency Micro Drill

高精度
High Precision



产品特点 / Features

- 采用超微颗粒硬质合金材料，实现了微钻体的高刚性。
High rigidity due to micro grain solid carbide rod.
- 采用统一的3mm柄径设计，易于夹持并实现高精度。
 Φ 3mm shank for all of micro tools clamping easily for customer.

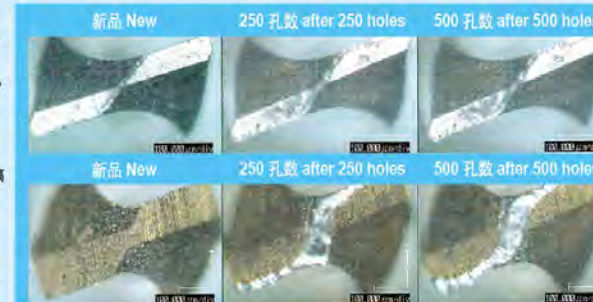
加工案例 / Application Case

钻头损伤比较 / Comparison for Cutting Edge Wear

切削条件 Drilling Condition

AST MD 2060
 Φ 0.6X 槽长7
Ti 系复合膜
Flute Length 7
Ti-Composite
Coating

其它公司产品高
速钢钻头
 Φ 0.6X 槽长7
TiN Coating
Other
Company's
High-Speed
Steel Drill



被加工材料 / Work Material: SUS304
钻头直径 / Diameter: D 0.6mm
切削速度 / Cutting Speed: 15m / min
进给量 / Fv: 50mm / min
切深量 / Step Amount: 0.12mm / time
孔深 / Hole Depth: 2.4mm
冷却方式 / Coolant: Emulsion
涂层 / Coating: TiAlN

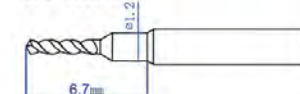
可加工材料 / Application Work Material

系列 Series	被切削材料 Work Material													
	结构钢 Structural Steel	碳素钢 Carbon Steel	合金钢 Alloy Steel	预硬化钢 Pre-Hardened Steel	调质钢、模具钢、高硬度钢 Hardened Steel				不锈钢 Stainless Steel	钛合金、 耐热合金 Titanium Alloys, Nickel Alloys	铸铁 Cast Irons	铝合金 Aluminum Alloys	铜合金 Copper Alloys	树脂 Plastic
					HRC30-45	HRC45-55	HRC55-60	> HRC60						
MD	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	○	○	○	⊙	○	○

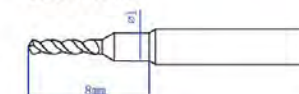
被加工材料选择基准 (⊙ 最适合 ○ 适合) Selection Chart (⊙ Most Suitable ○ Suitable)

可选类型和尺寸范围 / Types available and diameter ranges

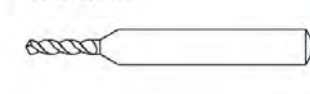
Φ 0.1- Φ 0.25mm



Φ 0.26- Φ 0.65mm



Φ 0.66- Φ 2.0mm





FSD系列高性能平底钻头 FSD High Efficiency Flat Drill

产品
介绍

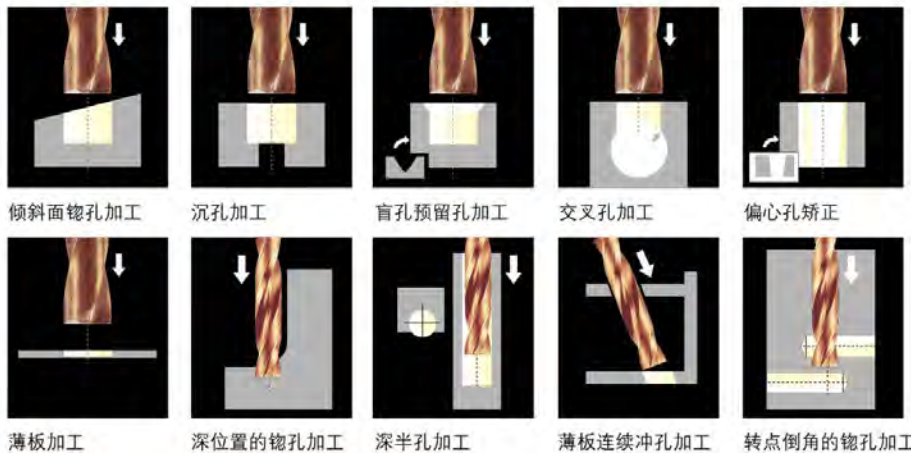
多场合适用
Application Variety



产品特点 / Features

- 刀尖顶角设计为180°
Point angle 180°.
- 刀尖形式及排屑槽形式为特殊设计，定心效果好，排屑通畅
Better centering ability, chip evacuation smoothly because of point geometry and flute design.
- 一把刀具可实现多种用途，在斜面钻孔、圆弧面钻孔、薄板钻孔和抑制出口毛刺等方面都有很好的表现
Suitable for machining inclined hole, drilling on ball surface and thin sheet, restraining the burr also.

应用场合 / Applications



可加工材料 / Application Work Material

系列 Series	被切削材料 Work Material													
	结构钢 Structural Steel	碳素钢 Carbon Steel	合金钢 Alloy Steel	预硬化钢 Pre-Hardened Steel	调质钢、模具钢、高硬度钢 Hardened Steel				不锈钢 Stainless Steel	钛合金、耐 热合金 Titanium Alloys, Nickel Alloys	铸铁 Cast Irons	铝合金 Aluminum Alloys	铜合金 Copper Alloys	树脂 Plastic
					HRC30 -45	HRC45 -55	HRC55 -60	>HRC60						
FSD	◎	◎	◎	◎	◎	○			○	○	○	○	○	

备注 Note: 被加工材料选择基准 (◎ 最适合 ○ 适合) Selection Chart (◎ Most Suitable ○ Suitable)



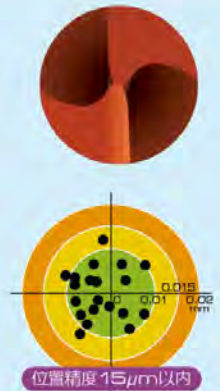
CD 整体硬质合金定点钻 CD Solid Carbide NC Spot Drill

产品
介绍

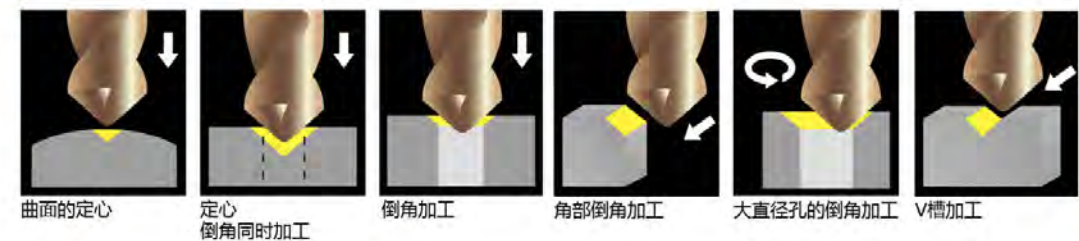


产品特点 / Features

- 引导性好的钻头，可使加工孔的定位精度达到0.015mm以内。
- 精选适合钻头的高性能的铬基复合涂层，提高刀具加工的润滑性、耐热性和耐磨性，并提高刀具切变强度，使刀具在加工多种材料均能达稳定的高寿命。
- 精选较经济且性能优异的硬质合金作为基体，使刀具加工稳定且具有很高的性价比。
- 锋利度好的切削刃，使该定点钻满足定心、倒角、V型槽加工、倒边等不同场合的加工需要。



应用场合 / Applications



可加工材料 / Application Work Material

系列 Series	被切削材料 Work Material													
	结构钢 Structural Steel	碳素钢 Carbon Steel	合金钢 Alloy Steel	预硬化钢 Pre-Hardened Steel	调质钢、模具钢、高硬度钢 Hardened Steel				不锈钢 Stainless Steel	钛合金、耐 热合金 Titanium Alloys, Nickel Alloys	铸铁 Cast Irons	铝合金 Aluminum Alloys	铜合金 Copper Alloys	树脂 Plastic
					HRC30 -45	HRC45 -55	HRC55 -60	>HRC60						
CD定点钻	◎	◎	◎	◎	◎	◎			◎	○	◎	○	○	

备注 Note: 被加工材料选择基准 (◎ 最适合 ○ 适合) Selection Chart (◎ Most Suitable ○ Suitable)



索引——钻头

选择基准—钻头 (☉: 很适合, ○: 适合) Selection Chart—Drill (☉: Most Suitable, ○: Suitable)

刀具形状 Appearance	名称 Name	刃数 Flutes	系列 Series	内冷 孔 Oil Hole	尺寸范围 Stocked Size		页码 Page		被切削材料 Work Material														
					Min	Max	尺寸 Size	切削参 数 Drilling Condi- tion	结构钢 Structural Steel	碳素钢 Carbon Steel	合金钢 Alloy Steel	预硬化 钢 Pre- Hardened Steel	调质钢、模具钢、高硬度钢 Hardened Steel				不锈钢 Stainless Steel	钛合金、 耐热合金 Titanium Alloys, Nickel Alloys	铸铁 Cast Iron	铝合金 Aluminum Alloys	铜合金 Copper Alloys	树脂 Plastic	
													HRC30-45	HRC45-55	HRC55-60	> HRC60							
硬质合金通用麻花钻																							
	SD 整体硬质合金螺旋槽钻头 3 x D 基准型 SD Solid Carbide Helix Drill 3 x D Basic Type	2	SE	—	2	20		28	124	☉	☉	☉	☉	☉	☉			○	○	○		○	
	SD 内冷整体硬质合金螺旋槽钻头 3 x D 基准型 SD Solid Carbide Helix Drill with internal Coolant 3 x D Basic Type	2	SE	○	2	20		31	125	☉	☉	☉	☉	☉	☉			○	○	○		○	
	SD 整体硬质合金螺旋槽钻头 5 x D 基准型 SD Solid Carbide Helix Drill 5 x D Basic Type	2	SE	—	2	20		34	126	☉	☉	☉	☉	☉	☉			○	○	○		○	
	SD 内冷整体硬质合金螺旋槽钻头 5 x D 基准型 SD Solid Carbide Helix Drill with internal Coolant 5 x D Basic Type	2	SE	○	2	20		37	127	☉	☉	☉	☉	☉	☉			○	○	○		○	
	SD 整体硬质合金螺旋槽钻头 7 x D 基准型 SD Solid Carbide Helix Drill 7 x D Basic Type	2	SE	—	2	20		40	128	☉	☉	☉	☉	☉	☉			○	○	○		○	
	SD 内冷整体硬质合金螺旋槽钻头 7 x D 基准型 SD Solid Carbide Helix Drill with internal Coolant 7 x D Basic Type	2	SE	○	2	20		43	129	☉	☉	☉	☉	☉	☉			○	○	○		○	
	SD 整体硬质合金螺旋槽钻头 3 x D 高性能型 SD Solid Carbide Helix Drill 3 x D High-performance Type	2	HE	—	2	20		46	124	☉	☉	☉	☉	☉	☉			☉	☉	☉		○	
	SD 内冷整体硬质合金螺旋槽钻头 3 x D 高性能型 SD Solid Carbide Helix Drill with internal Coolant 3 x D High-performance Type	2	HE	○	2	20		49	125	☉	☉	☉	☉	☉	☉			☉	☉	☉		○	
	SD 整体硬质合金螺旋槽钻头 5 x D 高性能型 SD Solid Carbide Helix Drill 5 x D High-performance Type	2	HE	—	2	20		52	126	☉	☉	☉	☉	☉	☉			☉	☉	☉		○	
	SD 内冷整体硬质合金螺旋槽钻头 5 x D 高性能型 SD Solid Carbide Helix Drill with internal Coolant 5 x D High-performance Type	2	HE	○	2	20		55	127	☉	☉	☉	☉	☉	☉			☉	☉	☉		○	
	SD 整体硬质合金螺旋槽钻头 7 x D 高性能型 SD Solid Carbide Helix Drill 7 x D High-performance Type	2	HE	—	2	20		58	128	☉	☉	☉	☉	☉	☉			☉	☉	☉		○	
	SD 内冷整体硬质合金螺旋槽钻头 7 x D 高性能型 SD Solid Carbide Helix Drill with internal Coolant 7 x D High-performance Type	2	HE	○	2	20		61	129	☉	☉	☉	☉	☉	☉			☉	☉	☉		○	
硬质合金铝用麻花钻																							
	ASD 整体硬质合金铝用螺旋槽钻头 3 x D 基准型 ASD Solid Carbide Helix Drill for Aluminum Alloys 3 x D Basic Type	2	SA	—	2	20		64	130												☉	○	☉
	ASD 内冷整体硬质合金铝用螺旋槽钻头 3 x D 基准型 ASD Solid Carbide Helix Drill with internal Coolant for Aluminum Alloys 3 x D Basic Type	2	SA	—	2	20		67	130												☉	○	☉
	ASD 整体硬质合金铝用螺旋槽钻头 5 x D 基准型 ASD Solid Carbide Helix Drill for Aluminum Alloys 5 x D Basic Type	2	SA	—	2	20		70	131												☉	○	☉
	ASD 内冷整体硬质合金铝用螺旋槽钻头 5 x D 基准型 ASD Solid Carbide Helix Drill with internal Coolant for Aluminum Alloys 5 x D Basic Type	2	SA	—	2	20		73	131												☉	○	☉
	ASD 整体硬质合金铝用螺旋槽钻头 3 x D 高性能型 ASD Solid Carbide Helix Drill for Aluminum Alloys 3 x D High-performance Type	2	SD	—	2	20		76	130												☉	○	○



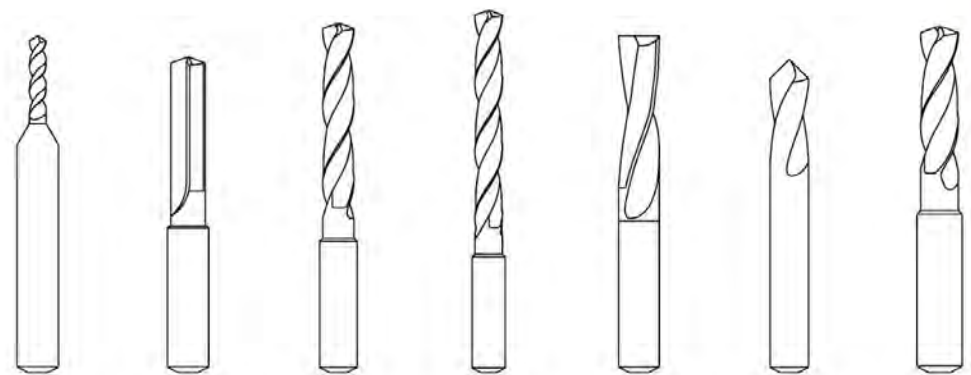
索引——钻头

选择基准—钻头 (☉: 很适合, ○: 适合) Selection Chart—Drill (☉: Most Suitable, ○: Suitable)

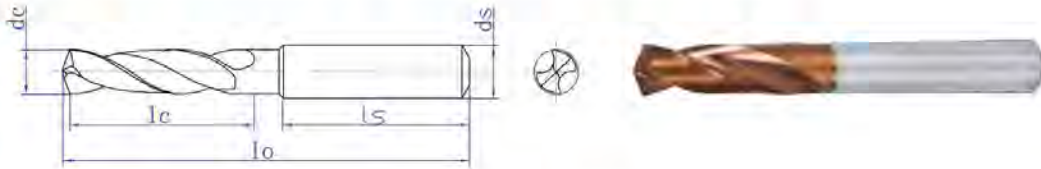
刀具形状 Appearance	名称 Name	刃数 Flutes	系列 Series	内冷 孔 Oil Hole	尺寸范围 Stocked Size		页码 Page	被切削材料 Work Material															
					Min	Max		尺寸 Size	切削参 数 Drilling Condi- tion	结构钢 Structural Steel	碳素钢 Carbon Steel	合金钢 Alloy Steel	预硬化 钢 Pre- Hardened Steel	调质钢、模具钢、高硬度钢 Hardened Steel				不锈钢 Stainless Steel	钛合金、 耐热合金 Titanium Alloys, Nickel Alloys	铸铁 Cast Irons	铝合金 Aluminum Alloys	铜合金 Copper Alloys	树脂 Plastic
														HRC30-45	HRC45-55	HRC55-60	> HRC60						
	ASD 内冷整体硬质合金铝用螺旋槽钻头 3 × D 高性能型 ASD Solid Carbide Helix Drill with internal Coolant for Aluminum Alloys 3 × D High-performance Type	2	SD	—	2	20	79	130											☉	☉	○		
	ASD 整体硬质合金铝用螺旋槽钻头 5 × D 高性能型 ASD Solid Carbide Helix Drill for Aluminum Alloys 5 × D High-performance Type	2	SD	—	2	20	82	131											☉	☉	○		
	ASD 内冷整体硬质合金铝用螺旋槽钻头 5 × D 高性能型 ASD Solid Carbide Helix Drill with internal Coolant for Aluminum Alloys 5 × D High-performance Type	2	SD	—	2	20	85	131											☉	☉	○		
硬质合金直槽钻头																							
	FD 整体硬质合金铝用直槽钻头 3 × D 基准型 FD Solid Carbide Straight Flute Drill for Aluminum Alloys 3 × D Basic Type	2	SA	—	3	20	88	132											☉	○			
	FD 内冷整体硬质合金铝用直槽钻头 3 × D 基准型 FD Solid Carbide Straight Flute Drill with internal Coolant for Aluminum Alloys 3 × D Basic Type	2	SA	—	3	20	91	133											☉	○			
	FD 整体硬质合金铝用直槽钻头 5 × D 基准型 FD Solid Carbide Straight Flute Drill for Aluminum Alloys 5 × D Basic Type	2	SA	—	3	20	94	134											☉	○			
	FD 内冷整体硬质合金铝用直槽钻头 5 × D 基准型 FD Solid Carbide Straight Flute Drill with internal Coolant for Aluminum Alloys 5 × D Basic Type	2	SA	—	3	20	97	134											☉	○			
	FD 整体硬质合金铸铁用直槽钻头 3 × D 高性能型 FD Solid Carbide Straight Flute Drill for Cast Irons 3 × D Basic Type	2	SE	—	3	20	100	132											☉				
	FD 内冷整体硬质合金铸铁用直槽钻头 3 × D 高性能型 FD Solid Carbide Straight Flute Drill with internal Coolant for Cast Irons 3 × D Basic Type	2	SE	—	3	20	103	133											☉				
	FD 整体硬质合金铸铁用直槽钻头 5 × D 高性能型 FD Solid Carbide Straight Flute Drill for Cast Irons 5 × D Basic Type	2	SE	—	3	20	106	134											☉				
	FD 内冷整体硬质合金铸铁用直槽钻头 5 × D 高性能型 FD Solid Carbide Straight Flute Drill with internal Coolant for Cast Irons 5 × D Basic Type	2	SE	—	3	20	109	134											☉				
硬质合金微孔钻头																							
	MD 整体硬质合金微孔钻 高性能型 MD Solid Carbide Micro Drill High-performance Type	2	HTA	—	0.1	2	112	135	☉	☉	☉	☉	☉					○	○	○	○		
硬质合金平底钻																							
	FSD 整体硬质合金平底钻 FSD Solid Carbide Drill with Flat Bottom	2	SE	—	3	20	117	136	☉	☉	☉	☉	☉	○				○	○	○	○		
硬质合金定点钻																							
	CD 整体硬质合金定点钻 CD Solid Carbide NC Spot Drill	2	SE	—	6	20	120	136	☉	☉	☉	☉	☉	○				○	○	○	○		



整体硬质合金标准钻头产品尺寸表



● SD 整体硬质合金螺旋槽钻头 3×D 基准型 SD Solid Carbide Helix Drill 3×D Basic Type



刀具特点说明:

- 1、刀具尺寸按本公司标准制造，接受非标定制。
刃径公差为m7，柄部公差为h6。
- 2、刀尖顶角、刀尖形式、排屑槽形式、涂层等要素针
- 3、对各系列特点进行分别设计，确保各系列达到最优的加工效果。

Features:

- 1、All dimension is fixed by our norm and also accept non standard order.
- 2、Tolerance of dc m7; tolerance of ds h6.
- 3、To achieve the best performance, special design for point angel, point geometry, flute type and coating etc..

单位: mm

基准型订货号 Basic type Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
SE系列 (通用有涂层) SE Series (Coating for Universal Type)	dc	lc	ds	ls	lo
3SD0200SE	2.00	10	3	28	41
3SD0210SE	2.10	10	3	28	41
3SD0220SE	2.20	10	3	28	41
3SD0230SE	2.30	10	3	28	41
3SD0240SE	2.40	10	3	28	41
3SD0250SE	2.50	10	3	28	41
3SD0260SE	2.60	14	3	28	45
3SD0270SE	2.70	14	3	28	45
3SD0275SE	2.75	14	3	28	45
3SD0280SE	2.80	14	3	28	45
3SD0300SE	3.00	14	3	28	45
3SD0330SE	3.30	18	4	28	51
3SD0340SE	3.40	18	4	28	51
3SD0350SE	3.50	18	4	28	51
3SD0360SE	3.60	18	4	28	51
3SD0365SE	3.65	18	4	28	51
3SD0370SE	3.70	18	4	28	51
3SD0375SE	3.75	18	4	28	51
3SD0380SE	3.80	18	4	28	51
3SD0400SE	4.00	18	4	28	51
3SD0420SE	4.20	23	6	36	64
3SD0450SE	4.50	23	6	36	64
3SD0460SE	4.60	23	6	36	64
3SD0470SE	4.70	23	6	36	64
3SD0480SE	4.80	23	6	36	64

基准型订货号 Basic type Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
SE系列 (通用有涂层) SE Series (Coating for Universal Type)	dc	lc	ds	ls	lo
3SD0500SE	5.00	23	6	36	64
3SD0510SE	5.10	27	6	36	68
3SD0530SE	5.30	27	6	36	68
3SD0550SE	5.50	27	6	36	68
3SD0560SE	5.60	27	6	36	68
3SD0570SE	5.70	27	6	36	68
3SD0580SE	5.80	27	6	36	68
3SD0600SE	6.00	27	6	36	68
3SD0650SE	6.50	32	8	36	73
3SD0660SE	6.60	32	8	36	73
3SD0670SE	6.70	32	8	36	73
3SD0680SE	6.80	32	8	36	73
3SD0690SE	6.90	32	8	36	73
3SD0700SE	7.00	32	8	36	73
3SD0730SE	7.30	36	8	36	77
3SD0740SE	7.40	36	8	36	77
3SD0750SE	7.50	36	8	36	77
3SD0770SE	7.70	36	8	36	77
3SD0780SE	7.80	36	8	36	77
3SD0800SE	8.00	36	8	36	77
3SD0850SE	8.50	41	10	40	86
3SD0870SE	8.70	41	10	40	86
3SD0880SE	8.80	41	10	40	86
3SD0900SE	9.00	41	10	40	86
3SD0930SE	9.30	45	10	40	90
3SD0950SE	9.50	45	10	40	90
3SD0960SE	9.60	45	10	40	90
3SD0970SE	9.70	45	10	40	90
3SD0980SE	9.80	45	10	40	90
3SD1000SE	10.00	45	10	40	90
3SD1020SE	10.20	50	12	45	100
3SD1050SE	10.50	50	12	45	100
3SD1070SE	10.70	50	12	45	100
3SD1080SE	10.80	50	12	45	100
3SD1100SE	11.00	50	12	45	100
3SD1120SE	11.20	54	12	45	104
3SD1150SE	11.50	54	12	45	104
3SD1170SE	11.70	54	12	45	104
3SD1180SE	11.80	54	12	45	104
3SD1200SE	12.00	54	12	45	104
3SD1250SE	12.50	59	14	45	109
3SD1270SE	12.70	59	14	45	109
3SD1280SE	12.80	59	14	45	109
3SD1300SE	13.00	59	14	45	109
3SD1350SE	13.50	63	14	45	113
3SD1370SE	13.70	63	14	45	113

基准型订货号 Basic type Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
SE系列 (通用有涂层) SE Series (Coating for Universal Type)	dc	lc	ds	ls	lo
3SD1380SE	13.80	63	14	45	113
3SD1400SE	14.00	63	14	45	113
3SD1450SE	14.50	68	16	48	121
3SD1470SE	14.70	68	16	48	121
3SD1480SE	14.80	68	16	48	121
3SD1500SE	15.00	68	16	48	121
3SD1550SE	15.50	72	16	48	125
3SD1570SE	15.70	72	16	48	125
3SD1580SE	15.80	72	16	48	125
3SD1600SE	16.00	72	16	48	125
3SD1650SE	16.50	77	18	48	130
3SD1670SE	16.70	77	18	48	130
3SD1680SE	16.80	77	18	48	130
3SD1700SE	17.00	77	18	48	130
3SD1750SE	17.50	81	18	48	134
3SD1770SE	17.70	81	18	48	134
3SD1780SE	17.80	81	18	48	134
3SD1800SE	18.00	81	18	48	134
3SD1850SE	18.50	86	20	50	141
3SD1860SE	18.60	86	20	50	141
3SD1870SE	18.70	86	20	50	141
3SD1880SE	18.80	86	20	50	141
3SD1900SE	19.00	86	20	50	141
3SD1950SE	19.50	90	20	50	145
3SD1970SE	19.70	90	20	50	145
3SD1980SE	19.80	90	20	50	145
3SD2000SE	20.00	90	20	50	145

备注 Note: 被加工材料选择基准 (☉ 最适合 ○ 适合) Selection Chart (☉ Most Suitable ○ Suitable)

系列 Series	被切削材料 Work Material													
	结构钢 Structural Steel	碳素钢 Carbon Steel	合金钢 Alloy Steel	预硬化钢 Pre-Hardened Steel	调质钢、模具钢、高硬度钢 Hardened Steel				不锈钢 Stainless Steel	钛合金、 耐热合金 Titanium Alloys, Nickel Alloys	铸铁 Cast Irons	铝合金 Aluminum Alloys	铜合金 Copper Alloys	树脂 Plastic
					HRC30-45	HRC45-55	HRC55-60	>HRC60						
3SD-SE	☉	☉	☉	☉	☉	○			○	○	○		○	

● SD 内冷整体硬质合金螺旋槽钻头 3×D 基准型 SD Solid Carbide Helix Drill with internal Coolant 3×D Basic Type



刀具特点说明:

1. 刀具尺寸按本公司标准制造, 接受非标定制。刃径公差为m7, 柄部公差为h6。
2. 刀尖顶角, 刀尖形式, 排屑槽形式, 涂层等要素针对
3. 对各系列特点进行分别设计, 确保各系列达到最优的加工效果。

Features:

1. All dimension is fixed by our norm and also accept non standard order.
2. Tolerance of dc m7; tolerance of ds h6.
3. To achieve the best performance, special design for point angel, point geometry, flute type and coating etc..

单位: mm

基准型订货号 Basic type Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
SE系列 (通用有涂层) SE Series (Coating for Universal Type)	dc	lc	ds	ls	lo
O3SD0200SE	2.00	10	3	28	41
O3SD0210SE	2.10	10	3	28	41
O3SD0220SE	2.20	10	3	28	41
O3SD0230SE	2.30	10	3	28	41
O3SD0240SE	2.40	10	3	28	41
O3SD0250SE	2.50	10	3	28	41
O3SD0260SE	2.60	14	3	28	45
O3SD0270SE	2.70	14	3	28	45
O3SD0275SE	2.75	14	3	28	45
O3SD0280SE	2.80	14	3	28	45
O3SD0300SE	3.00	14	3	28	45
O3SD0330SE	3.30	18	4	28	51
O3SD0340SE	3.40	18	4	28	51
O3SD0350SE	3.50	18	4	28	51
O3SD0360SE	3.60	18	4	28	51
O3SD0365SE	3.65	18	4	28	51
O3SD0370SE	3.70	18	4	28	51
O3SD0375SE	3.75	18	4	28	51
O3SD0380SE	3.80	18	4	28	51
O3SD0400SE	4.00	18	4	28	51
O3SD0420SE	4.20	23	6	36	64
O3SD0450SE	4.50	23	6	36	64
O3SD0460SE	4.60	23	6	36	64
O3SD0470SE	4.70	23	6	36	64
O3SD0480SE	4.80	23	6	36	64

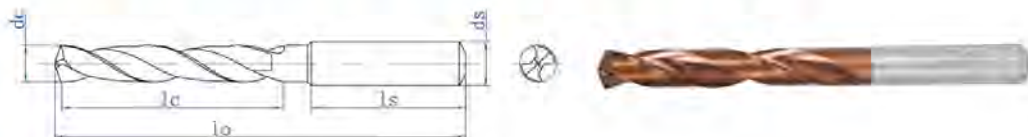
基准型订货号 Basic type Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
SE系列 (通用有涂层) SE Series (Coating for Universal Type)	dc	lc	ds	ls	lo
O3SD0500SE	5.00	23	6	36	64
O3SD0510SE	5.10	27	6	36	68
O3SD0530SE	5.30	27	6	36	68
O3SD0550SE	5.50	27	6	36	68
O3SD0560SE	5.60	27	6	36	68
O3SD0570SE	5.70	27	6	36	68
O3SD0580SE	5.80	27	6	36	68
O3SD0600SE	6.00	27	6	36	68
O3SD0650SE	6.50	32	8	36	73
O3SD0660SE	6.60	32	8	36	73
O3SD0670SE	6.70	32	8	36	73
O3SD0680SE	6.80	32	8	36	73
O3SD0690SE	6.90	32	8	36	73
O3SD0700SE	7.00	32	8	36	73
O3SD0730SE	7.30	36	8	36	77
O3SD0740SE	7.40	36	8	36	77
O3SD0750SE	7.50	36	8	36	77
O3SD0770SE	7.70	36	8	36	77
O3SD0780SE	7.80	36	8	36	77
O3SD0800SE	8.00	36	8	36	77
O3SD0850SE	8.50	41	10	40	86
O3SD0870SE	8.70	41	10	40	86
O3SD0880SE	8.80	41	10	40	86
O3SD0900SE	9.00	41	10	40	86
O3SD0930SE	9.30	45	10	40	90
O3SD0950SE	9.50	45	10	40	90
O3SD0960SE	9.60	45	10	40	90
O3SD0970SE	9.70	45	10	40	90
O3SD0980SE	9.80	45	10	40	90
O3SD1000SE	10.00	45	10	40	90
O3SD1020SE	10.20	50	12	45	100
O3SD1050SE	10.50	50	12	45	100
O3SD1070SE	10.70	50	12	45	100
O3SD1080SE	10.80	50	12	45	100
O3SD1100SE	11.00	50	12	45	100
O3SD1120SE	11.20	54	12	45	104
O3SD1150SE	11.50	54	12	45	104
O3SD1170SE	11.70	54	12	45	104
O3SD1180SE	11.80	54	12	45	104
O3SD1200SE	12.00	54	12	45	104
O3SD1250SE	12.50	59	14	45	109
O3SD1270SE	12.70	59	14	45	109
O3SD1280SE	12.80	59	14	45	109
O3SD1300SE	13.00	59	14	45	109
O3SD1350SE	13.50	63	14	45	113
O3SD1370SE	13.70	63	14	45	113

基准型订货号 Basic type Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
SE系列 (通用有涂层) SE Series (Coating for Universal Type)	dc	lc	ds	ls	lo
O3SD1380SE	13.80	63	14	45	113
O3SD1400SE	14.00	63	14	45	113
O3SD1450SE	14.50	68	16	48	121
O3SD1470SE	14.70	68	16	48	121
O3SD1480SE	14.80	68	16	48	121
O3SD1500SE	15.00	68	16	48	121
O3SD1550SE	15.50	72	16	48	125
O3SD1570SE	15.70	72	16	48	125
O3SD1580SE	15.80	72	16	48	125
O3SD1600SE	16.00	72	16	48	125
O3SD1650SE	16.50	77	18	48	130
O3SD1670SE	16.70	77	18	48	130
O3SD1680SE	16.80	77	18	48	130
O3SD1700SE	17.00	77	18	48	130
O3SD1750SE	17.50	81	18	48	134
O3SD1770SE	17.70	81	18	48	134
O3SD1780SE	17.80	81	18	48	134
O3SD1800SE	18.00	81	18	48	134
O3SD1850SE	18.50	86	20	50	141
O3SD1860SE	18.60	86	20	50	141
O3SD1870SE	18.70	86	20	50	141
O3SD1880SE	18.80	86	20	50	141
O3SD1900SE	19.00	86	20	50	141
O3SD1950SE	19.50	90	20	50	145
O3SD1970SE	19.70	90	20	50	145
O3SD1980SE	19.80	90	20	50	145
O3SD2000SE	20.00	90	20	50	145

备注 Note: 被加工材料选择基准(⊙ 最适合 ○ 适合) Selection Chart(⊙ Most Suitable ○ Suitable)

系列 Series	被切削材料 Work Material													
	结构钢 Structural Steel	碳素钢 Carbon Steel	合金钢 Alloy Steel	预硬化钢 Pre-Hardened Steel	调质钢、模具钢、高强度钢 Hardened Steel				不锈钢 Stainless Steel	钛合金、 耐热合金 Titanium Alloys, Nickel Alloys	铸铁 Cast Irons	铝合金 Aluminum Alloys	铜合金 Copper Alloys	树脂 Plastic
					HRC30-45	HRC45-55	HRC55-60	>HRC60						
O3SD-SE	⊙	⊙	⊙	⊙	⊙	○			○	○	○	○		

● SD 整体硬质合金螺旋槽钻头 5×D 基准型 SD Solid Carbide Helix Drill 5×D Basic Type



刀具特点说明:

- 1、刀具尺寸按本公司标准制造，接受非标定制。
刃径公差为m7，柄部公差为h6。
- 2、刀尖顶角、刀尖形式、排屑槽形式、涂层等要素针
- 3、对各系列特点进行分别设计，确保各系列达到最优的加工效果。

Features:

- 1、 All dimension is fixed by our norm and also accept non standard order.
- 2、 Tolerance of dc m7; tolerance of ds h6.
- 3、 To achieve the best performance, special design for point angel, point geometry, flute type and coating etc..

单位: mm

基准型订货号 Basic type Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
SE系列 (通用有涂层) SE Series (Coating for Universal Type)	dc	lc	ds	ls	lo
5SD0200SE	2.00	15	3	28	46
5SD0210SE	2.10	15	3	28	46
5SD0220SE	2.20	15	3	28	46
5SD0230SE	2.30	15	3	28	46
5SD0240SE	2.40	15	3	28	46
5SD0250SE	2.50	15	3	28	46
5SD0260SE	2.60	20	3	28	51
5SD0270SE	2.70	20	3	28	51
5SD0275SE	2.75	20	3	28	51
5SD0280SE	2.80	20	3	28	51
5SD0300SE	3.00	20	3	28	51
5SD0330SE	3.30	26	4	28	59
5SD0340SE	3.40	26	4	28	59
5SD0350SE	3.50	26	4	28	59
5SD0360SE	3.60	26	4	28	59
5SD0365SE	3.65	26	4	28	59
5SD0370SE	3.70	26	4	28	59
5SD0375SE	3.75	26	4	28	59
5SD0380SE	3.80	26	4	28	59
5SD0400SE	4.00	26	4	28	59
5SD0420SE	4.20	35	6	36	76
5SD0450SE	4.50	35	6	36	76
5SD0460SE	4.60	35	6	36	76
5SD0470SE	4.70	35	6	36	76
5SD0480SE	4.80	35	6	36	76

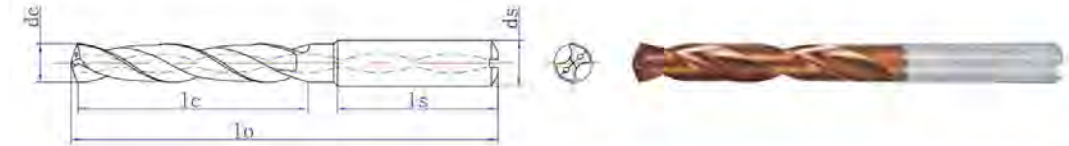
基准型订货号 Basic type Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
SE系列 (通用有涂层) SE Series (Coating for Universal Type)	dc	lc	ds	ls	lo
5SD0500SE	5.00	35	6	36	76
5SD0510SE	5.10	39	6	36	80
5SD0530SE	5.30	39	6	36	80
5SD0550SE	5.50	39	6	36	80
5SD0560SE	5.60	39	6	36	80
5SD0570SE	5.70	39	6	36	80
5SD0580SE	5.80	39	6	36	80
5SD0600SE	6.00	39	6	36	80
5SD0650SE	6.50	48	8	36	89
5SD0660SE	6.60	48	8	36	89
5SD0670SE	6.70	48	8	36	89
5SD0680SE	6.80	48	8	36	89
5SD0690SE	6.90	48	8	36	89
5SD0700SE	7.00	48	8	36	89
5SD0730SE	7.30	52	8	36	93
5SD0740SE	7.40	52	8	36	93
5SD0750SE	7.50	52	8	36	93
5SD0770SE	7.70	52	8	36	93
5SD0780SE	7.80	52	8	36	93
5SD0800SE	8.00	52	8	36	93
5SD0850SE	8.50	61	10	40	106
5SD0870SE	8.70	61	10	40	106
5SD0880SE	8.80	61	10	40	106
5SD0900SE	9.00	61	10	40	106
5SD0930SE	9.30	65	10	40	110
5SD0950SE	9.50	65	10	40	110
5SD0960SE	9.60	65	10	40	110
5SD0970SE	9.70	65	10	40	110
5SD0980SE	9.80	65	10	40	110
5SD1000SE	10.00	65	10	40	110
5SD1020SE	10.20	74	12	45	124
5SD1050SE	10.50	74	12	45	124
5SD1070SE	10.70	74	12	45	124
5SD1080SE	10.80	74	12	45	124
5SD1100SE	11.00	74	12	45	124
5SD1120SE	11.20	78	12	45	128
5SD1150SE	11.50	78	12	45	128
5SD1170SE	11.70	78	12	45	128
5SD1180SE	11.80	78	12	45	128
5SD1200SE	12.00	78	12	45	128
5SD1250SE	12.50	87	14	45	137
5SD1270SE	12.70	87	14	45	137
5SD1280SE	12.80	87	14	45	137
5SD1300SE	13.00	87	14	45	137
5SD1350SE	13.50	91	14	45	141
5SD1370SE	13.70	91	14	45	141

基准型订货号 Basic type Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
SE系列 (通用有涂层) SE Series (Coating for Universal Type)	dc	lc	ds	ls	lo
5SD1380SE	13.80	91	14	45	141
5SD1400SE	14.00	91	14	45	141
5SD1450SE	14.50	100	16	48	153
5SD1470SE	14.70	100	16	48	153
5SD1480SE	14.80	100	16	48	153
5SD1500SE	15.00	100	16	48	153
5SD1550SE	15.50	104	16	48	157
5SD1570SE	15.70	104	16	48	157
5SD1580SE	15.80	104	16	48	157
5SD1600SE	16.00	104	16	48	157
5SD1650SE	16.50	113	18	48	166
5SD1670SE	16.70	113	18	48	166
5SD1680SE	16.80	113	18	48	166
5SD1700SE	17.00	113	18	48	166
5SD1750SE	17.50	117	18	48	170
5SD1770SE	17.70	117	18	48	170
5SD1780SE	17.80	117	18	48	170
5SD1800SE	18.00	117	18	48	170
5SD1850SE	18.50	126	20	50	181
5SD1860SE	18.60	126	20	50	181
5SD1870SE	18.70	126	20	50	181
5SD1880SE	18.80	126	20	50	181
5SD1900SE	19.00	126	20	50	181
5SD1950SE	19.50	130	20	50	185
5SD1970SE	19.70	130	20	50	185
5SD1980SE	19.80	130	20	50	185
5SD2000SE	20.00	130	20	50	185

备注 Note: 被加工材料选择基准 (◎ 最适合 ○ 适合) Selection Chart (◎ Most Suitable ○ Suitable)

系列 Series	被切削材料 Work Material													
	结构钢 Structural Steel	碳素钢 Carbon Steel	合金钢 Alloy Steel	预硬化钢 Pre-Hardened Steel	调质钢、模具钢、高强度钢 Hardened Steel				不锈钢 Stainless Steel	钛合金、 耐热合金 Titanium Alloys, Nickel Alloys	铸铁 Cast Irons	铝合金 Aluminum Alloys	铜合金 Copper Alloys	树脂 Plastic
					HRC30 -45	HRC45 -55	HRC55 -60	>HRC60						
5SD-SE	◎	◎	◎	◎	◎	○			○	○	○		○	

● SD 内冷整体硬质合金螺旋槽钻头 5×D 基准型 SD Solid Carbide Helix Drill with internal Coolant 5×D Basic Type



刀具特点说明:

- 1、刀具尺寸按本公司标准制造，接受非标定制。刃径公差为m7，柄部公差为h6。
- 2、刀尖顶角、刀尖形式、排屑槽形式、涂层等要素针对
- 3、对各系列特点进行分别设计，确保各系列达到最优的加工效果。

Features:

- 1、All dimension is fixed by our norm and also accept non standard order.
- 2、Tolerance of dc m7; tolerance of ds h6.
- 3、To achieve the best performance, special design for point angel, point geometry, flute type and coating etc..

单位: mm

基准型订货号 Basic type Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
SE系列 (通用有涂层) SE Series (Coating for Universal Type)	dc	lc	ds	ls	lo
O5SD0200SE	2.00	15	3	28	46
O5SD0210SE	2.10	15	3	28	46
O5SD0220SE	2.20	15	3	28	46
O5SD0230SE	2.30	15	3	28	46
O5SD0240SE	2.40	15	3	28	46
O5SD0250SE	2.50	15	3	28	46
O5SD0260SE	2.60	20	3	28	51
O5SD0270SE	2.70	20	3	28	51
O5SD0275SE	2.75	20	3	28	51
O5SD0280SE	2.80	20	3	28	51
O5SD0300SE	3.00	20	3	28	51
O5SD0330SE	3.30	26	4	28	59
O5SD0340SE	3.40	26	4	28	59
O5SD0350SE	3.50	26	4	28	59
O5SD0360SE	3.60	26	4	28	59
O5SD0365SE	3.65	26	4	28	59
O5SD0370SE	3.70	26	4	28	59
O5SD0375SE	3.75	26	4	28	59
O5SD0380SE	3.80	26	4	28	59
O5SD0400SE	4.00	26	4	28	59
O5SD0420SE	4.20	35	6	36	76
O5SD0450SE	4.50	35	6	36	76
O5SD0460SE	4.60	35	6	36	76
O5SD0470SE	4.70	35	6	36	76
O5SD0480SE	4.80	35	6	36	76

基准型订货号 Basic type Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
SE系列 (通用有涂层) SE Series (Coating for Universal Type)	dc	lc	ds	ls	lo
O5SD0500SE	5.00	35	6	36	76
O5SD0510SE	5.10	39	6	36	80
O5SD0530SE	5.30	39	6	36	80
O5SD0550SE	5.50	39	6	36	80
O5SD0560SE	5.60	39	6	36	80
O5SD0570SE	5.70	39	6	36	80
O5SD0580SE	5.80	39	6	36	80
O5SD0600SE	6.00	39	6	36	80
O5SD0650SE	6.50	48	8	36	89
O5SD0660SE	6.60	48	8	36	89
O5SD0670SE	6.70	48	8	36	89
O5SD0680SE	6.80	48	8	36	89
O5SD0690SE	6.90	48	8	36	89
O5SD0700SE	7.00	48	8	36	89
O5SD0730SE	7.30	52	8	36	93
O5SD0740SE	7.40	52	8	36	93
O5SD0750SE	7.50	52	8	36	93
O5SD0770SE	7.70	52	8	36	93
O5SD0780SE	7.80	52	8	36	93
O5SD0800SE	8.00	52	8	36	93
O5SD0850SE	8.50	61	10	40	106
O5SD0870SE	8.70	61	10	40	106
O5SD0880SE	8.80	61	10	40	106
O5SD0900SE	9.00	61	10	40	106
O5SD0930SE	9.30	65	10	40	110
O5SD0950SE	9.50	65	10	40	110
O5SD0960SE	9.60	65	10	40	110
O5SD0970SE	9.70	65	10	40	110
O5SD0980SE	9.80	65	10	40	110
O5SD1000SE	10.00	65	10	40	110
O5SD1020SE	10.20	74	12	45	124
O5SD1050SE	10.50	74	12	45	124
O5SD1070SE	10.70	74	12	45	124
O5SD1080SE	10.80	74	12	45	124
O5SD1100SE	11.00	74	12	45	124
O5SD1120SE	11.20	78	12	45	128
O5SD1150SE	11.50	78	12	45	128
O5SD1170SE	11.70	78	12	45	128
O5SD1180SE	11.80	78	12	45	128
O5SD1200SE	12.00	78	12	45	128
O5SD1250SE	12.50	87	14	45	137
O5SD1270SE	12.70	87	14	45	137
O5SD1280SE	12.80	87	14	45	137
O5SD1300SE	13.00	87	14	45	137
O5SD1350SE	13.50	91	14	45	141
O5SD1370SE	13.70	91	14	45	141

基准型订货号 Basic type Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
SE系列 (通用有涂层) SE Series (Coating for Universal Type)	dc	lc	ds	ls	lo
O5SD1380SE	13.80	91	14	45	141
O5SD1400SE	14.00	91	14	45	141
O5SD1450SE	14.50	100	16	48	153
O5SD1470SE	14.70	100	16	48	153
O5SD1480SE	14.80	100	16	48	153
O5SD1500SE	15.00	100	16	48	153
O5SD1550SE	15.50	104	16	48	157
O5SD1570SE	15.70	104	16	48	157
O5SD1580SE	15.80	104	16	48	157
O5SD1600SE	16.00	104	16	48	157
O5SD1650SE	16.50	113	18	48	166
O5SD1670SE	16.70	113	18	48	166
O5SD1680SE	16.80	113	18	48	166
O5SD1700SE	17.00	113	18	48	166
O5SD1750SE	17.50	117	18	48	170
O5SD1770SE	17.70	117	18	48	170
O5SD1780SE	17.80	117	18	48	170
O5SD1800SE	18.00	117	18	48	170
O5SD1850SE	18.50	126	20	50	181
O5SD1860SE	18.60	126	20	50	181
O5SD1870SE	18.70	126	20	50	181
O5SD1880SE	18.80	126	20	50	181
O5SD1900SE	19.00	126	20	50	181
O5SD1950SE	19.50	130	20	50	185
O5SD1970SE	19.70	130	20	50	185
O5SD1980SE	19.80	130	20	50	185
O5SD2000SE	20.00	130	20	50	185

备注 Note: 被加工材料选择基准 (◎ 最适合 ○ 适合) Selection Chart (◎ Most Suitable ○ Suitable)

系列 Series	被切削材料 Work Material													
	结构钢 Structural Steel	碳素钢 Carbon Steel	合金钢 Alloy Steel	预硬化钢 Pre-Hardened Steel	调质钢、模具钢、高硬度钢 Hardened Steel				不锈钢 Stainless Steel	钛合金、 耐热合金 Titanium Alloys, Nickel Alloys	铸铁 Cast Irons	铝合金 Aluminum Alloys	铜合金 Copper Alloys	树脂 Plastic
					HRC30 -45	HRC45 -55	HRC55 -60	>HRC60						
O5SD-SE	◎	◎	◎	◎	◎	○			○	○	○	○	○	

● SD 整体硬质合金螺旋槽钻头 7×D 基准型 SD Solid Carbide Helix Drill 7×D Basic Type



刀具特点说明:

1. 刀具尺寸按本公司标准制造, 接受非标定制。刃径公差为m7, 柄部公差为h6。
2. 刀尖顶角、刀尖形式、排屑槽形式、涂层等要素针
3. 对各系列特点进行分别设计, 确保各系列达到最优的加工效果。

Features:

1. All dimension is fixed by our norm and also accept non standard order.
2. Tolerance of dc m7; tolerance of ds h6.
3. To achieve the best performance, special design for point angel, point geometry, flute type and coating etc..

单位: mm

基准型订货号 Basic type Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
SE系列 (通用有涂层) SE Series (Coating for Universal Type)	dc	lc	ds	ls	lo
7SD0200SE	2.00	20	3	28	51
7SD0210SE	2.10	20	3	28	51
7SD0220SE	2.20	20	3	28	51
7SD0230SE	2.30	20	3	28	51
7SD0240SE	2.40	20	3	28	51
7SD0250SE	2.50	20	3	28	51
7SD0260SE	2.60	26	3	28	57
7SD0270SE	2.70	26	3	28	57
7SD0275SE	2.75	26	3	28	57
7SD0280SE	2.80	26	3	28	57
7SD0300SE	3.00	26	3	28	57
7SD0330SE	3.30	34	4	28	67
7SD0340SE	3.40	34	4	28	67
7SD0350SE	3.50	34	4	28	67
7SD0360SE	3.60	34	4	28	67
7SD0365SE	3.65	34	4	28	67
7SD0370SE	3.70	34	4	28	67
7SD0375SE	3.75	34	4	28	67
7SD0380SE	3.80	34	4	28	67
7SD0400SE	4.00	34	4	28	67
7SD0420SE	4.20	47	6	36	88
7SD0450SE	4.50	47	6	36	88
7SD0460SE	4.60	47	6	36	88
7SD0470SE	4.70	47	6	36	88
7SD0480SE	4.80	47	6	36	88

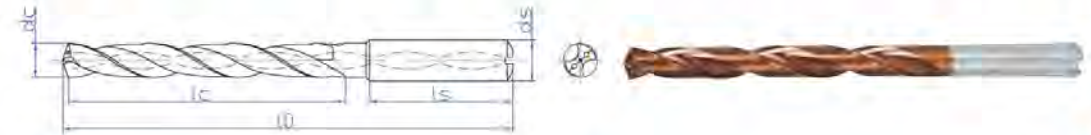
基准型订货号 Basic type Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
SE系列 (通用有涂层) SE Series (Coating for Universal Type)	dc	lc	ds	ls	lo
7SD0500SE	5.00	47	6	36	88
7SD0510SE	5.10	51	6	36	92
7SD0530SE	5.30	51	6	36	92
7SD0550SE	5.50	51	6	36	92
7SD0560SE	5.60	51	6	36	92
7SD0570SE	5.70	51	6	36	92
7SD0580SE	5.80	51	6	36	92
7SD0600SE	6.00	51	6	36	92
7SD0650SE	6.50	64	8	36	105
7SD0660SE	6.60	64	8	36	105
7SD0670SE	6.70	64	8	36	105
7SD0680SE	6.80	64	8	36	105
7SD0690SE	6.90	64	8	36	105
7SD0700SE	7.00	64	8	36	105
7SD0730SE	7.30	68	8	36	109
7SD0740SE	7.40	68	8	36	109
7SD0750SE	7.50	68	8	36	109
7SD0770SE	7.70	68	8	36	109
7SD0780SE	7.80	68	8	36	109
7SD0800SE	8.00	68	8	36	109
7SD0850SE	8.50	81	10	40	126
7SD0870SE	8.70	81	10	40	126
7SD0880SE	8.80	81	10	40	126
7SD0900SE	9.00	81	10	40	126
7SD0930SE	9.30	85	10	40	130
7SD0950SE	9.50	85	10	40	130
7SD0960SE	9.60	85	10	40	130
7SD0970SE	9.70	85	10	40	130
7SD0980SE	9.80	85	10	40	130
7SD1000SE	10.00	85	10	40	130
7SD1020SE	10.20	98	12	45	148
7SD1050SE	10.50	98	12	45	148
7SD1070SE	10.70	98	12	45	148
7SD1080SE	10.80	98	12	45	148
7SD1100SE	11.00	98	12	45	148
7SD1120SE	11.20	102	12	45	152
7SD1150SE	11.50	102	12	45	152
7SD1170SE	11.70	102	12	45	152
7SD1180SE	11.80	102	12	45	152
7SD1200SE	12.00	102	12	45	152
7SD1250SE	12.50	115	14	45	165
7SD1270SE	12.70	115	14	45	165
7SD1280SE	12.80	115	14	45	165
7SD1300SE	13.00	115	14	45	165
7SD1350SE	13.50	119	14	45	169
7SD1370SE	13.70	119	14	45	169

基准型订货号 Basic type Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
SE系列 (通用有涂层) SE Series (Coating for Universal Type)	dc	lc	ds	ls	lo
7SD1380SE	13.80	119	14	45	169
7SD1400SE	14.00	119	14	45	169
7SD1450SE	14.50	132	16	48	185
7SD1470SE	14.70	132	16	48	185
7SD1480SE	14.80	132	16	48	185
7SD1500SE	15.00	132	16	48	185
7SD1550SE	15.50	136	16	48	189
7SD1570SE	15.70	136	16	48	189
7SD1580SE	15.80	136	16	48	189
7SD1600SE	16.00	136	16	48	189
7SD1650SE	16.50	149	18	48	202
7SD1670SE	16.70	149	18	48	202
7SD1680SE	16.80	149	18	48	202
7SD1700SE	17.00	149	18	48	202
7SD1750SE	17.50	153	18	48	206
7SD1770SE	17.70	153	18	48	206
7SD1780SE	17.80	153	18	48	206
7SD1800SE	18.00	153	18	48	206
7SD1850SE	18.50	166	20	50	221
7SD1860SE	18.60	166	20	50	221
7SD1870SE	18.70	166	20	50	221
7SD1880SE	18.80	166	20	50	221
7SD1900SE	19.00	166	20	50	221
7SD1950SE	19.50	170	20	50	225
7SD1970SE	19.70	170	20	50	225
7SD1980SE	19.80	170	20	50	225
7SD2000SE	20.00	170	20	50	225

备注 Note: 被加工材料选择基准 (◎ 最适合 ○ 适合) Selection Chart (◎ Most Suitable ○ Suitable)

系列 Series	被切削材料 Work Material													
	结构钢 Structural Steel	碳素钢 Carbon Steel	合金钢 Alloy Steel	预硬化钢 Pre-Hardened Steel	调质钢、模具钢、高硬度钢 Hardened Steel				不锈钢 Stainless Steel	钛合金、耐热合金 Titanium Alloys, Nickel Alloys	铸铁 Cast Irons	铝合金 Aluminum Alloys	铜合金 Copper Alloys	树脂 Plastic
					HRC30-45	HRC45-55	HRC55-60	>HRC60						
7SD-SE	◎	◎	◎	◎	◎	○			○	○	○		○	

● SD 内冷整体硬质合金螺旋槽钻头 7×D 基准型 SD Solid Carbide Helix Drill with internal Coolant 7×D Basic Type



刀具特点说明:

1. 刀具尺寸按本公司标准制造, 接受非标定制。刃径公差为m7, 柄部公差为h6。
2. 刀尖顶角、刀尖形式、排屑槽形式、涂层等要素针对
3. 对各系列特点进行分别设计, 确保各系列达到最优的加工效果。

Features:

1. All dimension is fixed by our norm and also accept non standard order.
2. Tolerance of dc m7; tolerance of ds h6.
3. To achieve the best performance, special design for point angel, point geometry, flute type and coating etc..

单位: mm

基准型订货号 Basic type Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
SE系列 (通用有涂层) SE Series (Coating for Universal Type)	dc	lc	ds	ls	lo
07SD0200SE	2.00	20	3	28	51
07SD0210SE	2.10	20	3	28	51
07SD0220SE	2.20	20	3	28	51
07SD0230SE	2.30	20	3	28	51
07SD0240SE	2.40	20	3	28	51
07SD0250SE	2.50	20	3	28	51
07SD0260SE	2.60	26	3	28	57
07SD0270SE	2.70	26	3	28	57
07SD0275SE	2.75	26	3	28	57
07SD0280SE	2.80	26	3	28	57
07SD0300SE	3.00	26	3	28	57
07SD0330SE	3.30	34	4	28	67
07SD0340SE	3.40	34	4	28	67
07SD0350SE	3.50	34	4	28	67
07SD0360SE	3.60	34	4	28	67
07SD0365SE	3.65	34	4	28	67
07SD0370SE	3.70	34	4	28	67
07SD0375SE	3.75	34	4	28	67
07SD0380SE	3.80	34	4	28	67
07SD0400SE	4.00	34	4	28	67
07SD0420SE	4.20	47	6	36	88
07SD0450SE	4.50	47	6	36	88
07SD0460SE	4.60	47	6	36	88
07SD0470SE	4.70	47	6	36	88
07SD0480SE	4.80	47	6	36	88

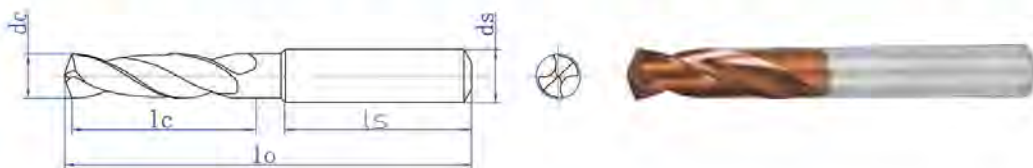
基准型订货号 Basic type Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
SE系列 (通用有涂层) SE Series (Coating for Universal Type)	dc	lc	ds	ls	lo
O7SD0500SE	5.00	47	6	36	88
O7SD0510SE	5.10	51	6	36	92
O7SD0530SE	5.30	51	6	36	92
O7SD0550SE	5.50	51	6	36	92
O7SD0560SE	5.60	51	6	36	92
O7SD0570SE	5.70	51	6	36	92
O7SD0580SE	5.80	51	6	36	92
O7SD0600SE	6.00	51	6	36	92
O7SD0650SE	6.50	64	8	36	105
O7SD0660SE	6.60	64	8	36	105
O7SD0670SE	6.70	64	8	36	105
O7SD0680SE	6.80	64	8	36	105
O7SD0690SE	6.90	64	8	36	105
O7SD0700SE	7.00	64	8	36	105
O7SD0730SE	7.30	68	8	36	109
O7SD0740SE	7.40	68	8	36	109
O7SD0750SE	7.50	68	8	36	109
O7SD0770SE	7.70	68	8	36	109
O7SD0780SE	7.80	68	8	36	109
O7SD0800SE	8.00	68	8	36	109
O7SD0850SE	8.50	81	10	40	126
O7SD0870SE	8.70	81	10	40	126
O7SD0880SE	8.80	81	10	40	126
O7SD0900SE	9.00	81	10	40	126
O7SD0930SE	9.30	85	10	40	130
O7SD0950SE	9.50	85	10	40	130
O7SD0960SE	9.60	85	10	40	130
O7SD0970SE	9.70	85	10	40	130
O7SD0980SE	9.80	85	10	40	130
O7SD1000SE	10.00	85	10	40	130
O7SD1020SE	10.20	98	12	45	148
O7SD1050SE	10.50	98	12	45	148
O7SD1070SE	10.70	98	12	45	148
O7SD1080SE	10.80	98	12	45	148
O7SD1100SE	11.00	98	12	45	148
O7SD1120SE	11.20	102	12	45	152
O7SD1150SE	11.50	102	12	45	152
O7SD1170SE	11.70	102	12	45	152
O7SD1180SE	11.80	102	12	45	152
O7SD1200SE	12.00	102	12	45	152
O7SD1250SE	12.50	115	14	45	165
O7SD1270SE	12.70	115	14	45	165
O7SD1280SE	12.80	115	14	45	165
O7SD1300SE	13.00	115	14	45	165
O7SD1350SE	13.50	119	14	45	169
O7SD1370SE	13.70	119	14	45	169

基准型订货号 Basic type Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
SE系列 (通用有涂层) SE Series (Coating for Universal Type)	dc	lc	ds	ls	lo
O7SD1380SE	13.80	119	14	45	169
O7SD1400SE	14.00	119	14	45	169
O7SD1450SE	14.50	132	16	48	185
O7SD1470SE	14.70	132	16	48	185
O7SD1480SE	14.80	132	16	48	185
O7SD1500SE	15.00	132	16	48	185
O7SD1550SE	15.50	136	16	48	189
O7SD1570SE	15.70	136	16	48	189
O7SD1580SE	15.80	136	16	48	189
O7SD1600SE	16.00	136	16	48	189
O7SD1650SE	16.50	149	18	48	202
O7SD1670SE	16.70	149	18	48	202
O7SD1680SE	16.80	149	18	48	202
O7SD1700SE	17.00	149	18	48	202
O7SD1750SE	17.50	153	18	48	206
O7SD1770SE	17.70	153	18	48	206
O7SD1780SE	17.80	153	18	48	206
O7SD1800SE	18.00	153	18	48	206
O7SD1850SE	18.50	166	20	50	221
O7SD1860SE	18.60	166	20	50	221
O7SD1870SE	18.70	166	20	50	221
O7SD1880SE	18.80	166	20	50	221
O7SD1900SE	19.00	166	20	50	221
O7SD1950SE	19.50	170	20	50	225
O7SD1970SE	19.70	170	20	50	225
O7SD1980SE	19.80	170	20	50	225
O7SD2000SE	20.00	170	20	50	225

备注 Note: 被加工材料选择基准 (◎ 最适合 ○ 适合) Selection Chart (◎ Most Suitable ○ Suitable)

系列 Series	被切削材料 Work Material													
	结构钢 Structural Steel	碳素钢 Carbon Steel	合金钢 Alloy Steel	预硬化钢 Pre-Hardened Steel	调质钢、模具钢、高硬度钢 Hardened Steel				不锈钢 Stainless Steel	钛合金、 耐热合金 Titanium Alloys, Nickel Alloys	铸铁 Cast Irons	铝合金 Aluminum Alloys	铜合金 Copper Alloys	树脂 Plastic
					HRC30 -45	HRC45 -55	HRC55 -60	>HRC60						
O7SD-SE	◎	◎	◎	◎	◎	○			○	○			○	

● SD 整体硬质合金螺旋槽钻头 3×D 高性能型 SD Solid Carbide Helix Drill 3×D High-performance Type



刀具特点说明:

1. 刀具尺寸按本公司标准制造, 接受非标定制。
刃径公差为m7, 柄部公差为h6。
2. 刀尖顶角、刀尖形式、排屑槽形式、涂层等要素针对
3. 对各系列特点进行分别设计, 确保各系列达到最优的加工效果。

Features:

1. All dimension is fixed by our norm and also accept non standard order.
2. Tolerance of dc m7; tolerance of ds h6.
3. To achieve the best performance, special design for point angel, point geometry, flute type and coating etc..

单位: mm

高性能系列订货号 High-performance Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
HE系列 (通用有涂层) HE Series (Coating For Universal Type)	dc	lc	ds	ls	lo
3SD0200HE	2.00	10	3	28	41
3SD0210HE	2.10	10	3	28	41
3SD0220HE	2.20	10	3	28	41
3SD0230HE	2.30	10	3	28	41
3SD0240HE	2.40	10	3	28	41
3SD0250HE	2.50	10	3	28	41
3SD0260HE	2.60	14	3	28	45
3SD0270HE	2.70	14	3	28	45
3SD0275HE	2.75	14	3	28	45
3SD0280HE	2.80	14	3	28	45
3SD0300HE	3.00	14	3	28	45
3SD0330HE	3.30	18	4	28	51
3SD0340HE	3.40	18	4	28	51
3SD0350HE	3.50	18	4	28	51
3SD0360HE	3.60	18	4	28	51
3SD0365HE	3.65	18	4	28	51
3SD0370HE	3.70	18	4	28	51
3SD0375HE	3.75	18	4	28	51
3SD0380HE	3.80	18	4	28	51
3SD0400HE	4.00	18	4	28	51
3SD0420HE	4.20	23	6	36	64
3SD0450HE	4.50	23	6	36	64
3SD0460HE	4.60	23	6	36	64
3SD0470HE	4.70	23	6	36	64
3SD0480HE	4.80	23	6	36	64

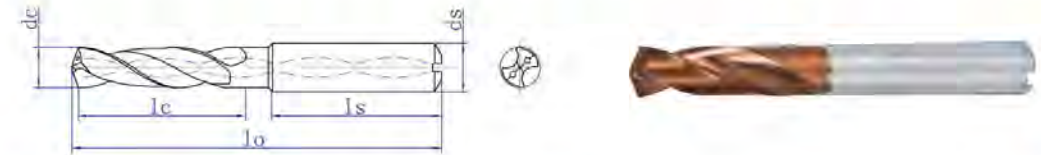
高性能系列订货号 High-performance Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
HE系列 (通用有涂层) HE Series (Coating For Universal Type)	dc	lc	ds	ls	lo
3SD0500HE	5.00	23	6	36	64
3SD0510HE	5.10	27	6	36	68
3SD0530HE	5.30	27	6	36	68
3SD0550HE	5.50	27	6	36	68
3SD0560HE	5.60	27	6	36	68
3SD0570HE	5.70	27	6	36	68
3SD0580HE	5.80	27	6	36	68
3SD0600HE	6.00	27	6	36	68
3SD0650HE	6.50	32	8	36	73
3SD0660HE	6.60	32	8	36	73
3SD0670HE	6.70	32	8	36	73
3SD0680HE	6.80	32	8	36	73
3SD0690HE	6.90	32	8	36	73
3SD0700HE	7.00	32	8	36	73
3SD0730HE	7.30	36	8	36	77
3SD0740HE	7.40	36	8	36	77
3SD0750HE	7.50	36	8	36	77
3SD0770HE	7.70	36	8	36	77
3SD0780HE	7.80	36	8	36	77
3SD0800HE	8.00	36	8	36	77
3SD0850HE	8.50	41	10	40	86
3SD0870HE	8.70	41	10	40	86
3SD0880HE	8.80	41	10	40	86
3SD0900HE	9.00	41	10	40	86
3SD0930HE	9.30	45	10	40	90
3SD0950HE	9.50	45	10	40	90
3SD0960HE	9.60	45	10	40	90
3SD0970HE	9.70	45	10	40	90
3SD0980HE	9.80	45	10	40	90
3SD1000HE	10.00	45	10	40	90
3SD1020HE	10.20	50	12	45	100
3SD1050HE	10.50	50	12	45	100
3SD1070HE	10.70	50	12	45	100
3SD1080HE	10.80	50	12	45	100
3SD1100HE	11.00	50	12	45	100
3SD1120HE	11.20	54	12	45	104
3SD1150HE	11.50	54	12	45	104
3SD1170HE	11.70	54	12	45	104
3SD1180HE	11.80	54	12	45	104
3SD1200HE	12.00	54	12	45	104
3SD1250HE	12.50	59	14	45	109
3SD1270HE	12.70	59	14	45	109
3SD1280HE	12.80	59	14	45	109
3SD1300HE	13.00	59	14	45	109
3SD1350HE	13.50	63	14	45	113
3SD1370HE	13.70	63	14	45	113

高性能系列订货号 High-performance Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
HE系列 (通用有涂层) HE Series (Coating For Universal Type)	dc	lc	ds	ls	lo
3SD1380HE	13.80	63	14	45	113
3SD1400HE	14.00	63	14	45	113
3SD1450HE	14.50	68	16	48	121
3SD1470HE	14.70	68	16	48	121
3SD1480HE	14.80	68	16	48	121
3SD1500HE	15.00	68	16	48	121
3SD1550HE	15.50	72	16	48	125
3SD1570HE	15.70	72	16	48	125
3SD1580HE	15.80	72	16	48	125
3SD1600HE	16.00	72	16	48	125
3SD1650HE	16.50	77	18	48	130
3SD1670HE	16.70	77	18	48	130
3SD1680HE	16.80	77	18	48	130
3SD1700HE	17.00	77	18	48	130
3SD1750HE	17.50	81	18	48	134
3SD1770HE	17.70	81	18	48	134
3SD1780HE	17.80	81	18	48	134
3SD1800HE	18.00	81	18	48	134
3SD1850HE	18.50	86	20	50	141
3SD1860HE	18.60	86	20	50	141
3SD1870HE	18.70	86	20	50	141
3SD1880HE	18.80	86	20	50	141
3SD1900HE	19.00	86	20	50	141
3SD1950HE	19.50	90	20	50	145
3SD1970HE	19.70	90	20	50	145
3SD1980HE	19.80	90	20	50	145
3SD2000HE	20.00	90	20	50	145

备注 Note: 被加工材料选择基准 (◎ 最适合 ○ 适合) Selection Chart (◎ Most Suitable ○ Suitable)

系列 Series	被切削材料 Work Material													
	结构钢 Structural Steel	碳素钢 Carbon Steel	合金钢 Alloy Steel	预硬化钢 Pre-Hardened Steel	调质钢、模具钢、高硬度钢 Hardened Steel				不锈钢 Stainless Steel	钛合金、 耐热合金 Titanium Alloys, Nickel Alloys	铸铁 Cast Irons	铝合金 Aluminum Alloys	铜合金 Copper Alloys	树脂 Plastic
					HRC30-45	HRC45-55	HRC55-60	>HRC60						
3SD-HE	◎	◎	◎	◎	◎	◎			○	○	○		○	

● SD 内冷整体硬质合金螺旋槽钻头 3×D 高性能型 SD Solid Carbide Helix Drill with internal Coolant 3×D High-performance Type



刀具特点说明:

- 1、刀具尺寸按本公司标准制造, 接受非标定制。
刃径公差为m7, 柄部公差为h6。
- 2、刀尖顶角、刀尖形式、排屑槽形式、涂层等要素针对
- 3、对各系列特点进行分别设计, 确保各系列达到最优的加工效果。

Features:

- 1、All dimension is fixed by our norm and also accept non standard order.
- 2、Tolerance of dc m7; tolerance of ds h6.
- 3、To achieve the best performance, special design for point angel, point geometry, flute type and coating etc..

单位: mm

高性能系列订货号 High-performance Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
HE系列 (通用有涂层) HE Series (Coating For Universal Type)	dc	lc	ds	ls	lo
O3SD0200HE	2.00	10	3	28	41
O3SD0210HE	2.10	10	3	28	41
O3SD0220HE	2.20	10	3	28	41
O3SD0230HE	2.30	10	3	28	41
O3SD0240HE	2.40	10	3	28	41
O3SD0250HE	2.50	10	3	28	41
O3SD0260HE	2.60	14	3	28	45
O3SD0270HE	2.70	14	3	28	45
O3SD0275HE	2.75	14	3	28	45
O3SD0280HE	2.80	14	3	28	45
O3SD0300HE	3.00	14	3	28	45
O3SD0330HE	3.30	18	4	28	51
O3SD0340HE	3.40	18	4	28	51
O3SD0350HE	3.50	18	4	28	51
O3SD0360HE	3.60	18	4	28	51
O3SD0365HE	3.65	18	4	28	51
O3SD0370HE	3.70	18	4	28	51
O3SD0375HE	3.75	18	4	28	51
O3SD0380HE	3.80	18	4	28	51
O3SD0400HE	4.00	18	4	28	51
O3SD0420HE	4.20	23	6	36	64
O3SD0450HE	4.50	23	6	36	64
O3SD0460HE	4.60	23	6	36	64
O3SD0470HE	4.70	23	6	36	64
O3SD0480HE	4.80	23	6	36	64

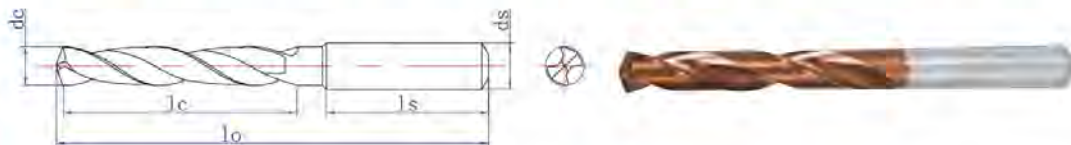
高性能系列订货号 High-performance Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
HE系列 (通用有涂层) HE Series (Coating For Universal Type)	dc	lc	ds	ls	lo
O3SD0500HE	5.00	23	6	36	64
O3SD0510HE	5.10	27	6	36	68
O3SD0530HE	5.30	27	6	36	68
O3SD0550HE	5.50	27	6	36	68
O3SD0560HE	5.60	27	6	36	68
O3SD0570HE	5.70	27	6	36	68
O3SD0580HE	5.80	27	6	36	68
O3SD0600HE	6.00	27	6	36	68
O3SD0650HE	6.50	32	8	36	73
O3SD0660HE	6.60	32	8	36	73
O3SD0670HE	6.70	32	8	36	73
O3SD0680HE	6.80	32	8	36	73
O3SD0690HE	6.90	32	8	36	73
O3SD0700HE	7.00	32	8	36	73
O3SD0730HE	7.30	36	8	36	77
O3SD0740HE	7.40	36	8	36	77
O3SD0750HE	7.50	36	8	36	77
O3SD0770HE	7.70	36	8	36	77
O3SD0780HE	7.80	36	8	36	77
O3SD0800HE	8.00	36	8	36	77
O3SD0850HE	8.50	41	10	40	86
O3SD0870HE	8.70	41	10	40	86
O3SD0880HE	8.80	41	10	40	86
O3SD0900HE	9.00	41	10	40	86
O3SD0930HE	9.30	45	10	40	90
O3SD0950HE	9.50	45	10	40	90
O3SD0960HE	9.60	45	10	40	90
O3SD0970HE	9.70	45	10	40	90
O3SD0980HE	9.80	45	10	40	90
O3SD1000HE	10.00	45	10	40	90
O3SD1020HE	10.20	50	12	45	100
O3SD1050HE	10.50	50	12	45	100
O3SD1070HE	10.70	50	12	45	100
O3SD1080HE	10.80	50	12	45	100
O3SD1100HE	11.00	50	12	45	100
O3SD1120HE	11.20	54	12	45	104
O3SD1150HE	11.50	54	12	45	104
O3SD1170HE	11.70	54	12	45	104
O3SD1180HE	11.80	54	12	45	104
O3SD1200HE	12.00	54	12	45	104
O3SD1250HE	12.50	59	14	45	109
O3SD1270HE	12.70	59	14	45	109
O3SD1280HE	12.80	59	14	45	109
O3SD1300HE	13.00	59	14	45	109
O3SD1350HE	13.50	63	14	45	113
O3SD1370HE	13.70	63	14	45	113

高性能系列订货号 High-performance Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
HE系列 (通用有涂层) HE Series (Coating For Universal Type)	dc	lc	ds	ls	lo
O3SD1380HE	13.80	63	14	45	113
O3SD1400HE	14.00	63	14	45	113
O3SD1450HE	14.50	68	16	48	121
O3SD1470HE	14.70	68	16	48	121
O3SD1480HE	14.80	68	16	48	121
O3SD1500HE	15.00	68	16	48	121
O3SD1550HE	15.50	72	16	48	125
O3SD1570HE	15.70	72	16	48	125
O3SD1580HE	15.80	72	16	48	125
O3SD1600HE	16.00	72	16	48	125
O3SD1650HE	16.50	77	18	48	130
O3SD1670HE	16.70	77	18	48	130
O3SD1680HE	16.80	77	18	48	130
O3SD1700HE	17.00	77	18	48	130
O3SD1750HE	17.50	81	18	48	134
O3SD1770HE	17.70	81	18	48	134
O3SD1780HE	17.80	81	18	48	134
O3SD1800HE	18.00	81	18	48	134
O3SD1850HE	18.50	86	20	50	141
O3SD1860HE	18.60	86	20	50	141
O3SD1870HE	18.70	86	20	50	141
O3SD1880HE	18.80	86	20	50	141
O3SD1900HE	19.00	86	20	50	141
O3SD1950HE	19.50	90	20	50	145
O3SD1970HE	19.70	90	20	50	145
O3SD1980HE	19.80	90	20	50	145
O3SD2000HE	20.00	90	20	50	145

备注 Note: 被加工材料选择基准 (☉ 最适合 ○ 适合) Selection Chart (☉ Most Suitable ○ Suitable)

系列 Series	被切削材料 Work Material													
	结构钢 Structural Steel	碳素钢 Carbon Steel	合金钢 Alloy Steel	预硬化钢 Pre-Hardened Steel	调质钢、模具钢、高强度钢 Hardened Steel				不锈钢 Stainless Steel	钛合金、 耐热合金 Titanium Alloys, Nickel Alloys	铸铁 Cast Irons	铝合金 Aluminum Alloys	铜合金 Copper Alloys	树脂 Plastic
					HRC30 -45	HRC45 -55	HRC55 -60	>HRC60						
O3SD-HE	☉	☉	☉	☉	☉	☉			○	○	○		○	

● SD 整体硬质合金螺旋槽钻头 5×D 高性能型 SD Solid Carbide Helix Drill 5×D High-performance Type



刀具特点说明:

- 1、刀具尺寸按本公司标准制造，接受非标定制。刃径公差为m7，柄部公差为h6。
- 2、刀尖顶角、刀尖形式、排屑槽形式、涂层等要素针对
- 3、对各系列特点进行分别设计，确保各系列达到最优的加工效果。

Features:

- 1、All dimension is fixed by our norm and also accept non standard order.
- 2、Tolerance of dc m7; tolerance of ds h6.
- 3、To achieve the best performance, special design for point angel, point geometry, flute type and coating etc..

单位: mm

高性能系列订货号 High-performance Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
HE系列 (通用有涂层) HE Series (Coating For Universal Type)	dc	lc	ds	ls	lo
5SD0200HE	2.00	15	3	28	46
5SD0210HE	2.10	15	3	28	46
5SD0220HE	2.20	15	3	28	46
5SD0230HE	2.30	15	3	28	46
5SD0240HE	2.40	15	3	28	46
5SD0250HE	2.50	15	3	28	46
5SD0260HE	2.60	20	3	28	51
5SD0270HE	2.70	20	3	28	51
5SD0275HE	2.75	20	3	28	51
5SD0280HE	2.80	20	3	28	51
5SD0300HE	3.00	20	3	28	51
5SD0330HE	3.30	26	4	28	59
5SD0340HE	3.40	26	4	28	59
5SD0350HE	3.50	26	4	28	59
5SD0360HE	3.60	26	4	28	59
5SD0365HE	3.65	26	4	28	59
5SD0370HE	3.70	26	4	28	59
5SD0375HE	3.75	26	4	28	59
5SD0380HE	3.80	26	4	28	59
5SD0400HE	4.00	26	4	28	59
5SD0420HE	4.20	35	6	36	76
5SD0450HE	4.50	35	6	36	76
5SD0460HE	4.60	35	6	36	76
5SD0470HE	4.70	35	6	36	76
5SD0480HE	4.80	35	6	36	76

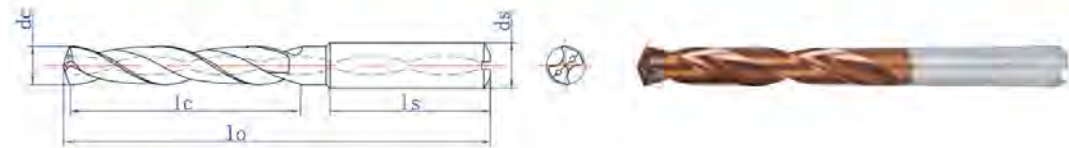
高性能系列订货号 High-performance Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
HE系列 (通用有涂层) HE Series (Coating For Universal Type)	dc	lc	ds	ls	lo
5SD0500HE	5.00	35	6	36	76
5SD0510HE	5.10	39	6	36	80
5SD0530HE	5.30	39	6	36	80
5SD0550HE	5.50	39	6	36	80
5SD0560HE	5.60	39	6	36	80
5SD0570HE	5.70	39	6	36	80
5SD0580HE	5.80	39	6	36	80
5SD0600HE	6.00	39	6	36	80
5SD0650HE	6.50	48	8	36	89
5SD0660HE	6.60	48	8	36	89
5SD0670HE	6.70	48	8	36	89
5SD0680HE	6.80	48	8	36	89
5SD0690HE	6.90	48	8	36	89
5SD0700HE	7.00	48	8	36	89
5SD0730HE	7.30	52	8	36	93
5SD0740HE	7.40	52	8	36	93
5SD0750HE	7.50	52	8	36	93
5SD0770HE	7.70	52	8	36	93
5SD0780HE	7.80	52	8	36	93
5SD0800HE	8.00	52	8	36	93
5SD0850HE	8.50	61	10	40	106
5SD0870HE	8.70	61	10	40	106
5SD0880HE	8.80	61	10	40	106
5SD0900HE	9.00	61	10	40	106
5SD0930HE	9.30	65	10	40	110
5SD0950HE	9.50	65	10	40	110
5SD0960HE	9.60	65	10	40	110
5SD0970HE	9.70	65	10	40	110
5SD0980HE	9.80	65	10	40	110
5SD1000HE	10.00	65	10	40	110
5SD1020HE	10.20	74	12	45	124
5SD1050HE	10.50	74	12	45	124
5SD1070HE	10.70	74	12	45	124
5SD1080HE	10.80	74	12	45	124
5SD1100HE	11.00	74	12	45	124
5SD1120HE	11.20	78	12	45	128
5SD1150HE	11.50	78	12	45	128
5SD1170HE	11.70	78	12	45	128
5SD1180HE	11.80	78	12	45	128
5SD1200HE	12.00	78	12	45	128
5SD1250HE	12.50	87	14	45	137
5SD1270HE	12.70	87	14	45	137
5SD1280HE	12.80	87	14	45	137
5SD1300HE	13.00	87	14	45	137
5SD1350HE	13.50	91	14	45	141
5SD1370HE	13.70	91	14	45	141

高性能系列订货号 High-performance Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
HE系列 (通用有涂层) HE Series (Coating For Universal Type)	dc	lc	ds	ls	lo
5SD1380HE	13.80	91	14	45	141
5SD1400HE	14.00	91	14	45	141
5SD1450HE	14.50	100	16	48	153
5SD1470HE	14.70	100	16	48	153
5SD1480HE	14.80	100	16	48	153
5SD1500HE	15.00	100	16	48	153
5SD1550HE	15.50	104	16	48	157
5SD1570HE	15.70	104	16	48	157
5SD1580HE	15.80	104	16	48	157
5SD1600HE	16.00	104	16	48	157
5SD1650HE	16.50	113	18	48	166
5SD1670HE	16.70	113	18	48	166
5SD1680HE	16.80	113	18	48	166
5SD1700HE	17.00	113	18	48	166
5SD1750HE	17.50	117	18	48	170
5SD1770HE	17.70	117	18	48	170
5SD1780HE	17.80	117	18	48	170
5SD1800HE	18.00	117	18	48	170
5SD1850HE	18.50	126	20	50	181
5SD1860HE	18.60	126	20	50	181
5SD1870HE	18.70	126	20	50	181
5SD1880HE	18.80	126	20	50	181
5SD1900HE	19.00	126	20	50	181
5SD1950HE	19.50	130	20	50	185
5SD1970HE	19.70	130	20	50	185
5SD1980HE	19.80	130	20	50	185
5SD2000HE	20.00	130	20	50	185

备注 Note: 被加工材料选择基准 (◎ 最适合 ○ 适合) Selection Chart (◎ Most Suitable ○ Suitable)

系列 Series	被切削材料 Work Material													
	结构钢 Structural Steel	碳素钢 Carbon Steel	合金钢 Alloy Steel	预硬化钢 Pre-Hardened Steel	调质钢、模具钢、高硬度钢 Hardened Steel				不锈钢 Stainless Steel	钛合金、 耐热合金 Titanium Alloys, Nickel Alloys	铸铁 Cast Irons	铝合金 Aluminum Alloys	铜合金 Copper Alloys	树脂 Plastic
					HRC30 -45	HRC45 -55	HRC55 -60	>HRC60						
5SD-HE	◎	◎	◎	◎	◎	◎	◎		○	○	○		○	

● SD 内冷整体硬质合金螺旋槽钻头 5×D 高性能型 SD Solid Carbide Helix Drill with internal Coolant 5×D High-performance Type



刀具特点说明:

1. 刀具尺寸按本公司标准制造, 接受非标定制。刃径公差为m7, 柄部公差为h6。
2. 刀尖顶角、刀尖形式、排屑槽形式、涂层等要素针
3. 对各系列特点进行分别设计, 确保各系列达到最优的加工效果。

Features:

1. All dimension is fixed by our norm and also accept non standard order.
2. Tolerance of dc m7; tolerance of ds h6.
3. To achieve the best performance, special design for point angel, point geometry, flute type and coating etc..

单位: mm

高性能系列订货号 High-performance Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
HE系列 (通用有涂层) HE Series (Coating For Universal Type)	dc	lc	ds	ls	lo
O5SD0200HE	2.00	15	3	28	46
O5SD0210HE	2.10	15	3	28	46
O5SD0220HE	2.20	15	3	28	46
O5SD0230HE	2.30	15	3	28	46
O5SD0240HE	2.40	15	3	28	46
O5SD0250HE	2.50	15	3	28	46
O5SD0260HE	2.60	20	3	28	51
O5SD0270HE	2.70	20	3	28	51
O5SD0275HE	2.75	20	3	28	51
O5SD0280HE	2.80	20	3	28	51
O5SD0300HE	3.00	20	3	28	51
O5SD0330HE	3.30	26	4	28	59
O5SD0340HE	3.40	26	4	28	59
O5SD0350HE	3.50	26	4	28	59
O5SD0360HE	3.60	26	4	28	59
O5SD0365HE	3.65	26	4	28	59
O5SD0370HE	3.70	26	4	28	59
O5SD0375HE	3.75	26	4	28	59
O5SD0380HE	3.80	26	4	28	59
O5SD0400HE	4.00	26	4	28	59
O5SD0420HE	4.20	35	6	36	76
O5SD0450HE	4.50	35	6	36	76
O5SD0460HE	4.60	35	6	36	76
O5SD0470HE	4.70	35	6	36	76
O5SD0480HE	4.80	35	6	36	76

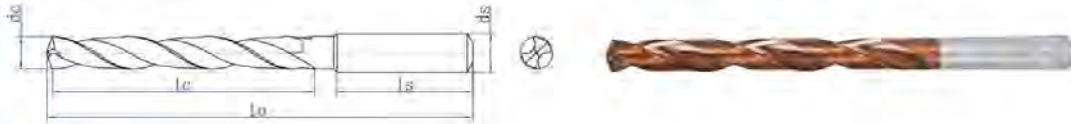
高性能系列订货号 High-performance Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
HE系列 (通用有涂层) HE Series (Coating For Universal Type)	dc	lc	ds	ls	lo
O5SD0500HE	5.00	35	6	36	76
O5SD0510HE	5.10	39	6	36	80
O5SD0530HE	5.30	39	6	36	80
O5SD0550HE	5.50	39	6	36	80
O5SD0560HE	5.60	39	6	36	80
O5SD0570HE	5.70	39	6	36	80
O5SD0580HE	5.80	39	6	36	80
O5SD0600HE	6.00	39	6	36	80
O5SD0650HE	6.50	48	8	36	89
O5SD0660HE	6.60	48	8	36	89
O5SD0670HE	6.70	48	8	36	89
O5SD0680HE	6.80	48	8	36	89
O5SD0690HE	6.90	48	8	36	89
O5SD0700HE	7.00	48	8	36	89
O5SD0730HE	7.30	52	8	36	93
O5SD0740HE	7.40	52	8	36	93
O5SD0750HE	7.50	52	8	36	93
O5SD0770HE	7.70	52	8	36	93
O5SD0780HE	7.80	52	8	36	93
O5SD0800HE	8.00	52	8	36	93
O5SD0850HE	8.50	61	10	40	106
O5SD0870HE	8.70	61	10	40	106
O5SD0880HE	8.80	61	10	40	106
O5SD0900HE	9.00	61	10	40	106
O5SD0930HE	9.30	65	10	40	110
O5SD0950HE	9.50	65	10	40	110
O5SD0960HE	9.60	65	10	40	110
O5SD0970HE	9.70	65	10	40	110
O5SD0980HE	9.80	65	10	40	110
O5SD1000HE	10.00	65	10	40	110
O5SD1020HE	10.20	74	12	45	124
O5SD1050HE	10.50	74	12	45	124
O5SD1070HE	10.70	74	12	45	124
O5SD1080HE	10.80	74	12	45	124
O5SD1100HE	11.00	74	12	45	124
O5SD1120HE	11.20	78	12	45	128
O5SD1150HE	11.50	78	12	45	128
O5SD1170HE	11.70	78	12	45	128
O5SD1180HE	11.80	78	12	45	128
O5SD1200HE	12.00	78	12	45	128
O5SD1250HE	12.50	87	14	45	137
O5SD1270HE	12.70	87	14	45	137
O5SD1280HE	12.80	87	14	45	137
O5SD1300HE	13.00	87	14	45	137
O5SD1350HE	13.50	91	14	45	141
O5SD1370HE	13.70	91	14	45	141

高性能系列订货号 High-performance Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
HE系列 (通用有涂层) HE Series (Coating For Universal Type)	dc	lc	ds	ls	lo
O5SD1380HE	13.80	91	14	45	141
O5SD1400HE	14.00	91	14	45	141
O5SD1450HE	14.50	100	16	48	153
O5SD1470HE	14.70	100	16	48	153
O5SD1480HE	14.80	100	16	48	153
O5SD1500HE	15.00	100	16	48	153
O5SD1550HE	15.50	104	16	48	157
O5SD1570HE	15.70	104	16	48	157
O5SD1580HE	15.80	104	16	48	157
O5SD1600HE	16.00	104	16	48	157
O5SD1650HE	16.50	113	18	48	166
O5SD1670HE	16.70	113	18	48	166
O5SD1680HE	16.80	113	18	48	166
O5SD1700HE	17.00	113	18	48	166
O5SD1750HE	17.50	117	18	48	170
O5SD1770HE	17.70	117	18	48	170
O5SD1780HE	17.80	117	18	48	170
O5SD1800HE	18.00	117	18	48	170
O5SD1850HE	18.50	126	20	50	181
O5SD1860HE	18.60	126	20	50	181
O5SD1870HE	18.70	126	20	50	181
O5SD1880HE	18.80	126	20	50	181
O5SD1900HE	19.00	126	20	50	181
O5SD1950HE	19.50	130	20	50	185
O5SD1970HE	19.70	130	20	50	185
O5SD1980HE	19.80	130	20	50	185
O5SD2000HE	20.00	130	20	50	185

备注 Note: 被加工材料选择基准 (◎ 最适合 ○ 适合) Selection Chart (◎ Most Suitable ○ Suitable)

系列 Series	被切材料 Work Material													
	结构钢 Structural Steel	碳钢 Carbon Steel	合金钢 Alloy Steel	预硬化钢 Pre-Hardened Steel	调质钢、模具钢、高硬度钢 Hardened Steel				不锈钢 Stainless Steel	钛合金、 耐热合金 Titanium Alloys, Nickel Alloys	铸铁 Cast Irons	铝合金 Aluminum Alloys	铜合金 Copper Alloys	树脂 Plastic
					HRC30 -45	HRC45 -55	HRC55 -60	>HRC60						
O5SD-HE	◎	◎	◎	◎	◎	◎			○	○			○	

● SD 整体硬质合金螺旋槽钻头 7×D 高性能型 SD Solid Carbide Helix Drill 7×D High-performance Type



刀具特点说明:

- 1、刀具尺寸按本公司标准制造，接受非标定制。刃径公差为m7，柄部公差为h6。
- 2、刀尖顶角、刀尖形式、排屑槽形式、涂层等要素针
- 3、对各系列特点进行分别设计，确保各系列达到最优的加工效果。

Features:

- 1、All dimension is fixed by our norm and also accept non standard order.
- 2、Tolerance of dc m7; tolerance of ds h6.
- 3、To achieve the best performance, special design for point angel, point geometry, flute type and coating etc..

单位: mm

高性能系列订货号 High-performance Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
HE系列 (通用有涂层) HE Series (Coating For Universal Type)	dc	lc	ds	ls	lo
7SD0200HE	2.00	20	3	28	51
7SD0210HE	2.10	20	3	28	51
7SD0220HE	2.20	20	3	28	51
7SD0230HE	2.30	20	3	28	51
7SD0240HE	2.40	20	3	28	51
7SD0250HE	2.50	20	3	28	51
7SD0260HE	2.60	26	3	28	57
7SD0270HE	2.70	26	3	28	57
7SD0275HE	2.75	26	3	28	57
7SD0280HE	2.80	26	3	28	57
7SD0300HE	3.00	26	3	28	57
7SD0330HE	3.30	34	4	28	67
7SD0340HE	3.40	34	4	28	67
7SD0350HE	3.50	34	4	28	67
7SD0360HE	3.60	34	4	28	67
7SD0365HE	3.65	34	4	28	67
7SD0370HE	3.70	34	4	28	67
7SD0375HE	3.75	34	4	28	67
7SD0380HE	3.80	34	4	28	67
7SD0400HE	4.00	34	4	28	67
7SD0420HE	4.20	47	6	36	88
7SD0450HE	4.50	47	6	36	88
7SD0460HE	4.60	47	6	36	88
7SD0470HE	4.70	47	6	36	88
7SD0480HE	4.80	47	6	36	88

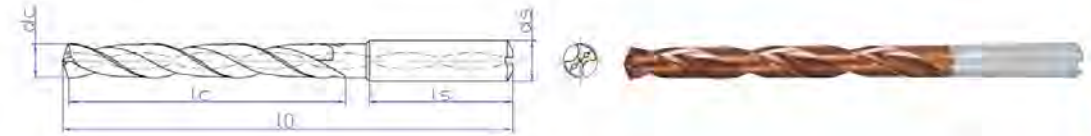
高性能系列订货号 High-performance Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
HE系列 (通用有涂层) HE Series (Coating For Universal Type)	dc	lc	ds	ls	lo
7SD0500HE	5.00	47	6	36	88
7SD0510HE	5.10	51	6	36	92
7SD0530HE	5.30	51	6	36	92
7SD0550HE	5.50	51	6	36	92
7SD0560HE	5.60	51	6	36	92
7SD0570HE	5.70	51	6	36	92
7SD0580HE	5.80	51	6	36	92
7SD0600HE	6.00	51	6	36	92
7SD0650HE	6.50	64	8	36	105
7SD0660HE	6.60	64	8	36	105
7SD0670HE	6.70	64	8	36	105
7SD0680HE	6.80	64	8	36	105
7SD0690HE	6.90	64	8	36	105
7SD0700HE	7.00	64	8	36	105
7SD0730HE	7.30	68	8	36	109
7SD0740HE	7.40	68	8	36	109
7SD0750HE	7.50	68	8	36	109
7SD0770HE	7.70	68	8	36	109
7SD0780HE	7.80	68	8	36	109
7SD0800HE	8.00	68	8	36	109
7SD0850HE	8.50	81	10	40	126
7SD0870HE	8.70	81	10	40	126
7SD0880HE	8.80	81	10	40	126
7SD0900HE	9.00	81	10	40	126
7SD0930HE	9.30	85	10	40	130
7SD0950HE	9.50	85	10	40	130
7SD0960HE	9.60	85	10	40	130
7SD0970HE	9.70	85	10	40	130
7SD0980HE	9.80	85	10	40	130
7SD1000HE	10.00	85	10	40	130
7SD1020HE	10.20	98	12	45	148
7SD1050HE	10.50	98	12	45	148
7SD1070HE	10.70	98	12	45	148
7SD1080HE	10.80	98	12	45	148
7SD1100HE	11.00	98	12	45	148
7SD1120HE	11.20	102	12	45	152
7SD1150HE	11.50	102	12	45	152
7SD1170HE	11.70	102	12	45	152
7SD1180HE	11.80	102	12	45	152
7SD1200HE	12.00	102	12	45	152
7SD1250HE	12.50	115	14	45	165
7SD1270HE	12.70	115	14	45	165
7SD1280HE	12.80	115	14	45	165
7SD1300HE	13.00	115	14	45	165
7SD1350HE	13.50	119	14	45	169
7SD1370HE	13.70	119	14	45	169

高性能系列订货号 High-performance Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
HE系列 (通用有涂层) HE Series (Coating For Universal Type)	dc	lc	ds	ls	lo
7SD1380HE	13.80	119	14	45	169
7SD1400HE	14.00	119	14	45	169
7SD1450HE	14.50	132	16	48	185
7SD1470HE	14.70	132	16	48	185
7SD1480HE	14.80	132	16	48	185
7SD1500HE	15.00	132	16	48	185
7SD1550HE	15.50	136	16	48	189
7SD1570HE	15.70	136	16	48	189
7SD1580HE	15.80	136	16	48	189
7SD1600HE	16.00	136	16	48	189
7SD1650HE	16.50	149	18	48	202
7SD1670HE	16.70	149	18	48	202
7SD1680HE	16.80	149	18	48	202
7SD1700HE	17.00	149	18	48	202
7SD1750HE	17.50	153	18	48	206
7SD1770HE	17.70	153	18	48	206
7SD1780HE	17.80	153	18	48	206
7SD1800HE	18.00	153	18	48	206
7SD1850HE	18.50	166	20	50	221
7SD1860HE	18.60	166	20	50	221
7SD1870HE	18.70	166	20	50	221
7SD1880HE	18.80	166	20	50	221
7SD1900HE	19.00	166	20	50	221
7SD1950HE	19.50	170	20	50	225
7SD1970HE	19.70	170	20	50	225
7SD1980HE	19.80	170	20	50	225
7SD2000HE	20.00	170	20	50	225

备注 Note: 被加工材料选择基准 (◎ 最适合 ○ 适合) Selection Chart (◎ Most Suitable ○ Suitable)

系列 Series	被切削材料 Work Material													
	结构钢 Structural Steel	碳素钢 Carbon Steel	合金钢 Alloy Steel	预硬化钢 Pre-Hardened Steel	调质钢、模具钢、高硬度钢 Hardened Steel				不锈钢 Stainless Steel	钛合金、 耐热合金 Titanium Alloys, Nickel Alloys	铸铁 Cast Irons	铝合金 Aluminum Alloys	铜合金 Copper Alloys	树脂 Plastic
					HRC30-45	HRC45-55	HRC55-60	>HRC60						
7SD-HE	◎	◎	◎	◎	◎	◎			○	○	○	○		

● SD 内冷整体硬质合金螺旋槽钻头 7×D 高性能型 SD Solid Carbide Helix Drill with internal Coolant 7×D High-performance Type



刀具特点说明:

1. 刀具尺寸按本公司标准制造, 接受非标定制。
刃径公差为m7, 柄部公差为h6。
2. 刀尖顶角、刀尖形式、排屑槽形式, 涂层等要素针对
3. 对各系列特点进行分别设计, 确保各系列达到最优的加工效果。

Features:

1. All dimension is fixed by our norm and also accept non standard order.
2. Tolerance of dc m7; tolerance of ds h6.
3. To achieve the best performance, special design for point angel, point geometry, flute type and coating etc..

单位: mm

高性能系列订货号 High-performance Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
HE系列 (通用有涂层) HE Series (Coating For Universal Type)	dc	lc	ds	ls	lo
O7SD0200HE	2.00	20	3	28	51
O7SD0210HE	2.10	20	3	28	51
O7SD0220HE	2.20	20	3	28	51
O7SD0230HE	2.30	20	3	28	51
O7SD0240HE	2.40	20	3	28	51
O7SD0250HE	2.50	20	3	28	51
O7SD0260HE	2.60	26	3	28	57
O7SD0270HE	2.70	26	3	28	57
O7SD0275HE	2.75	26	3	28	57
O7SD0280HE	2.80	26	3	28	57
O7SD0300HE	3.00	26	3	28	57
O7SD0330HE	3.30	34	4	28	67
O7SD0340HE	3.40	34	4	28	67
O7SD0350HE	3.50	34	4	28	67
O7SD0360HE	3.60	34	4	28	67
O7SD0365HE	3.65	34	4	28	67
O7SD0370HE	3.70	34	4	28	67
O7SD0375HE	3.75	34	4	28	67
O7SD0380HE	3.80	34	4	28	67
O7SD0400HE	4.00	34	4	28	67
O7SD0420HE	4.20	47	6	36	88
O7SD0450HE	4.50	47	6	36	88
O7SD0460HE	4.60	47	6	36	88
O7SD0470HE	4.70	47	6	36	88
O7SD0480HE	4.80	47	6	36	88

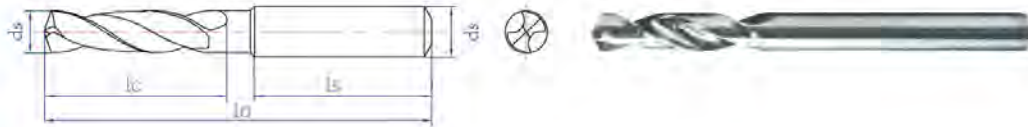
高性能系列订货号 High-performance Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
HE系列 (通用有涂层) HE Series (Coating For Universal Type)	dc	lc	ds	ls	lo
O7SD0500HE	5.00	47	6	36	88
O7SD0510HE	5.10	51	6	36	92
O7SD0530HE	5.30	51	6	36	92
O7SD0550HE	5.50	51	6	36	92
O7SD0560HE	5.60	51	6	36	92
O7SD0570HE	5.70	51	6	36	92
O7SD0580HE	5.80	51	6	36	92
O7SD0600HE	6.00	51	6	36	92
O7SD0650HE	6.50	64	8	36	105
O7SD0660HE	6.60	64	8	36	105
O7SD0670HE	6.70	64	8	36	105
O7SD0680HE	6.80	64	8	36	105
O7SD0690HE	6.90	64	8	36	105
O7SD0700HE	7.00	64	8	36	105
O7SD0730HE	7.30	68	8	36	109
O7SD0740HE	7.40	68	8	36	109
O7SD0750HE	7.50	68	8	36	109
O7SD0770HE	7.70	68	8	36	109
O7SD0780HE	7.80	68	8	36	109
O7SD0800HE	8.00	68	8	36	109
O7SD0850HE	8.50	81	10	40	126
O7SD0870HE	8.70	81	10	40	126
O7SD0880HE	8.80	81	10	40	126
O7SD0900HE	9.00	81	10	40	126
O7SD0930HE	9.30	85	10	40	130
O7SD0950HE	9.50	85	10	40	130
O7SD0960HE	9.60	85	10	40	130
O7SD0970HE	9.70	85	10	40	130
O7SD0980HE	9.80	85	10	40	130
O7SD1000HE	10.00	85	10	40	130
O7SD1020HE	10.20	98	12	45	148
O7SD1050HE	10.50	98	12	45	148
O7SD1070HE	10.70	98	12	45	148
O7SD1080HE	10.80	98	12	45	148
O7SD1100HE	11.00	98	12	45	148
O7SD1120HE	11.20	102	12	45	152
O7SD1150HE	11.50	102	12	45	152
O7SD1170HE	11.70	102	12	45	152
O7SD1180HE	11.80	102	12	45	152
O7SD1200HE	12.00	102	12	45	152
O7SD1250HE	12.50	115	14	45	165
O7SD1270HE	12.70	115	14	45	165
O7SD1280HE	12.80	115	14	45	165
O7SD1300HE	13.00	115	14	45	165
O7SD1350HE	13.50	119	14	45	169
O7SD1370HE	13.70	119	14	45	169

高性能系列订货号 High-performance Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
HE系列 (通用有涂层) HE Series (Coating For Universal Type)	dc	lc	ds	ls	lo
O7SD1380HE	13.80	119	14	45	169
O7SD1400HE	14.00	119	14	45	169
O7SD1450HE	14.50	132	16	48	185
O7SD1470HE	14.70	132	16	48	185
O7SD1480HE	14.80	132	16	48	185
O7SD1500HE	15.00	132	16	48	185
O7SD1550HE	15.50	136	16	48	189
O7SD1570HE	15.70	136	16	48	189
O7SD1580HE	15.80	136	16	48	189
O7SD1600HE	16.00	136	16	48	189
O7SD1650HE	16.50	149	18	48	202
O7SD1670HE	16.70	149	18	48	202
O7SD1680HE	16.80	149	18	48	202
O7SD1700HE	17.00	149	18	48	202
O7SD1750HE	17.50	153	18	48	206
O7SD1770HE	17.70	153	18	48	206
O7SD1780HE	17.80	153	18	48	206
O7SD1800HE	18.00	153	18	48	206
O7SD1850HE	18.50	166	20	50	221
O7SD1860HE	18.60	166	20	50	221
O7SD1870HE	18.70	166	20	50	221
O7SD1880HE	18.80	166	20	50	221
O7SD1900HE	19.00	166	20	50	221
O7SD1950HE	19.50	170	20	50	225
O7SD1970HE	19.70	170	20	50	225
O7SD1980HE	19.80	170	20	50	225
O7SD2000HE	20.00	170	20	50	225

备注 Note: 被加工材料选择基准(◎最适合 ○适合) Selection Chart(◎ Most Suitable ○ Suitable)

系列 Series	被切削材料 Work Material													
	结构钢 Structural Steel	碳素钢 Carbon Steel	合金钢 Alloy Steel	预硬化钢 Pre-Hardened Steel	调质钢、模具钢、高硬度钢 Hardened Steel				不锈钢 Stainless Steel	钛合金、 耐热合金 Titanium Alloys, Nickel Alloys	铸铁 Cast Irons	铝合金 Aluminum Alloys	铜合金 Copper Alloys	树脂 Plastic
					HRC30 -45	HRC45 -55	HRC55 -60	>HRC60						
O7SD-HE	◎	◎	◎	◎	◎	◎			○	○	○		○	

● ASD 整体硬质合金铝用螺旋槽钻头 3×D 基准型 ASD Solid Carbide Helix Drill for Aluminum Alloys 3xD Basic Type



刀具特点说明:

- 1、刀具尺寸按本公司标准制造，接受非标定制。
刃径公差为m7，柄部公差为h6。
- 2、刀尖顶角，刀尖形式，排屑槽形式、涂层等要素针
- 3、对各系列特点进行分别设计，确保各系列达到最优的加工效果。

Features:

- 1、All dimension is fixed by our norm and also accept non standard order.
- 2、Tolerance of dc m7; tolerance of ds h6.
- 3、To achieve the best performance, special design for point angel, point geometry, flute type and coating etc..

单位: mm

基准型订货号 Basic type Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
SA系列 (铝用无涂层) SA Series (No Coating for Aluminum)	dc	lc	ds	ls	lo
3ASD0200SA	2.00	10	3	28	41
3ASD0210SA	2.10	10	3	28	41
3ASD0220SA	2.20	10	3	28	41
3ASD0230SA	2.30	10	3	28	41
3ASD0240SA	2.40	10	3	28	41
3ASD0250SA	2.50	10	3	28	41
3ASD0260SA	2.60	14	3	28	45
3ASD0270SA	2.70	14	3	28	45
3ASD0275SA	2.75	14	3	28	45
3ASD0280SA	2.80	14	3	28	45
3ASD0300SA	3.00	14	3	28	45
3ASD0330SA	3.30	18	4	28	51
3ASD0340SA	3.40	18	4	28	51
3ASD0350SA	3.50	18	4	28	51
3ASD0360SA	3.60	18	4	28	51
3ASD0365SA	3.65	18	4	28	51
3ASD0370SA	3.70	18	4	28	51
3ASD0375SA	3.75	18	4	28	51
3ASD0380SA	3.80	18	4	28	51
3ASD0400SA	4.00	18	4	28	51
3ASD0420SA	4.20	23	6	36	64
3ASD0450SA	4.50	23	6	36	64
3ASD0460SA	4.60	23	6	36	64
3ASD0470SA	4.70	23	6	36	64
3ASD0480SA	4.80	23	6	36	64

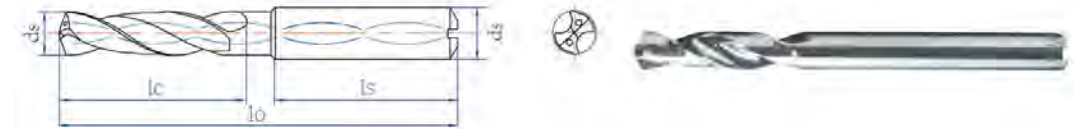
基准型订货号 Basic type Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
SA系列 (铝用无涂层) SA Series (No Coating for Aluminum)	dc	lc	ds	ls	lo
3ASD0500SA	5.00	23	6	36	64
3ASD0510SA	5.10	27	6	36	68
3ASD0530SA	5.30	27	6	36	68
3ASD0550SA	5.50	27	6	36	68
3ASD0560SA	5.60	27	6	36	68
3ASD0570SA	5.70	27	6	36	68
3ASD0580SA	5.80	27	6	36	68
3ASD0600SA	6.00	27	6	36	68
3ASD0650SA	6.50	32	8	36	73
3ASD0660SA	6.60	32	8	36	73
3ASD0670SA	6.70	32	8	36	73
3ASD0680SA	6.80	32	8	36	73
3ASD0690SA	6.90	32	8	36	73
3ASD0700SA	7.00	32	8	36	73
3ASD0730SA	7.30	36	8	36	77
3ASD0740SA	7.40	36	8	36	77
3ASD0750SA	7.50	36	8	36	77
3ASD0770SA	7.70	36	8	36	77
3ASD0780SA	7.80	36	8	36	77
3ASD0800SA	8.00	36	8	36	77
3ASD0850SA	8.50	41	10	40	86
3ASD0870SA	8.70	41	10	40	86
3ASD0880SA	8.80	41	10	40	86
3ASD0900SA	9.00	41	10	40	86
3ASD0930SA	9.30	45	10	40	90
3ASD0950SA	9.50	45	10	40	90
3ASD0960SA	9.60	45	10	40	90
3ASD0970SA	9.70	45	10	40	90
3ASD0980SA	9.80	45	10	40	90
3ASD1000SA	10.00	45	10	40	90
3ASD1020SA	10.20	50	12	45	100
3ASD1050SA	10.50	50	12	45	100
3ASD1070SA	10.70	50	12	45	100
3ASD1080SA	10.80	50	12	45	100
3ASD1100SA	11.00	50	12	45	100
3ASD1120SA	11.20	54	12	45	104
3ASD1150SA	11.50	54	12	45	104
3ASD1170SA	11.70	54	12	45	104
3ASD1180SA	11.80	54	12	45	104
3ASD1200SA	12.00	54	12	45	104
3ASD1250SA	12.50	59	14	45	109
3ASD1270SA	12.70	59	14	45	109
3ASD1280SA	12.80	59	14	45	109
3ASD1300SA	13.00	59	14	45	109
3ASD1350SA	13.50	63	14	45	113
3ASD1370SA	13.70	63	14	45	113

基准型订货号 Basic type Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
SA系列 (铝用无涂层) SA Series (No Coating for Aluminum)	dc	lc	ds	ls	lo
3ASD1380SA	13.80	63	14	45	113
3ASD1400SA	14.00	63	14	45	113
3ASD1450SA	14.50	68	16	48	121
3ASD1470SA	14.70	68	16	48	121
3ASD1480SA	14.80	68	16	48	121
3ASD1500SA	15.00	68	16	48	121
3ASD1550SA	15.50	72	16	48	125
3ASD1570SA	15.70	72	16	48	125
3ASD1580SA	15.80	72	16	48	125
3ASD1600SA	16.00	72	16	48	125
3ASD1650SA	16.50	77	18	48	130
3ASD1670SA	16.70	77	18	48	130
3ASD1680SA	16.80	77	18	48	130
3ASD1700SA	17.00	77	18	48	130
3ASD1750SA	17.50	81	18	48	134
3ASD1770SA	17.70	81	18	48	134
3ASD1780SA	17.80	81	18	48	134
3ASD1800SA	18.00	81	18	48	134
3ASD1850SA	18.50	86	20	50	141
3ASD1860SA	18.60	86	20	50	141
3ASD1870SA	18.70	86	20	50	141
3ASD1880SA	18.80	86	20	50	141
3ASD1900SA	19.00	86	20	50	141
3ASD1950SA	19.50	90	20	50	145
3ASD1970SA	19.70	90	20	50	145
3ASD1980SA	19.80	90	20	50	145
3ASD2000SA	20.00	90	20	50	145

备注 Note: 被加工材料选择基准 (◎最适合 ○适合) Selection Chart (◎ Most Suitable ○ Suitable)

系列 Series	被切削材料 Work Material													
	结构钢 Structural Steel	碳素钢 Carbon Steel	合金钢 Alloy Steel	预硬化钢 Pre-Hardened Steel	调质钢、模具钢、高硬度钢 Hardened Steel				不锈钢 Stainless Steel	钛合金、 耐热合金 Titanium Alloys, Nickel Alloys	铸铁 Cast Irons	铝合金 Aluminum Alloys	铜合金 Copper Alloys	树脂 Plastic
					HRC30 -45	HRC45 -55	HRC55 -60	>HRC60						
3ASD-SA												◎	○	◎

● ASD 内冷整体硬质合金铝用螺旋槽钻头 3×D 基准型 ASD Solid Carbide Helix Drill with Internal Coolant for Aluminum Alloys 3xD Basic Type



刀具特点说明:

- 1、刀具尺寸按本公司标准制造，接受非标定制。刃径公差为m7，柄部公差为h6。
- 2、刀尖顶角，刀尖形式、排屑槽形式、涂层等要素针对。
- 3、对各系列特点进行分别设计，确保各系列达到最优的加工效果。

Features:

- 1、All dimension is fixed by our norm and also accept non standard order.
- 2、Tolerance of dc m7; tolerance of ds h6.
- 3、To achieve the best performance, special design for point angel, point geometry, flute type and coating etc..

单位: mm

基准型订货号 Basic type Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
SA系列 (铝用无涂层) SA Series (No Coating for Aluminum)	dc	lc	ds	ls	lo
O3ASD0200SA	2.00	10	3	28	41
O3ASD0210SA	2.10	10	3	28	41
O3ASD0220SA	2.20	10	3	28	41
O3ASD0230SA	2.30	10	3	28	41
O3ASD0240SA	2.40	10	3	28	41
O3ASD0250SA	2.50	10	3	28	41
O3ASD0260SA	2.60	14	3	28	45
O3ASD0270SA	2.70	14	3	28	45
O3ASD0275SA	2.75	14	3	28	45
O3ASD0280SA	2.80	14	3	28	45
O3ASD0300SA	3.00	14	3	28	45
O3ASD0330SA	3.30	18	4	28	51
O3ASD0340SA	3.40	18	4	28	51
O3ASD0350SA	3.50	18	4	28	51
O3ASD0360SA	3.60	18	4	28	51
O3ASD0365SA	3.65	18	4	28	51
O3ASD0370SA	3.70	18	4	28	51
O3ASD0375SA	3.75	18	4	28	51
O3ASD0380SA	3.80	18	4	28	51
O3ASD0400SA	4.00	18	4	28	51
O3ASD0420SA	4.20	23	6	36	64
O3ASD0450SA	4.50	23	6	36	64
O3ASD0460SA	4.60	23	6	36	64
O3ASD0470SA	4.70	23	6	36	64
O3ASD0480SA	4.80	23	6	36	64

基准型订货号 Basic type Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
SA系列 (铝用无涂层) SA Series (No Coating for Aluminum)	dc	lc	ds	ls	lo
O3ASD0500SA	5.00	23	6	36	64
O3ASD0510SA	5.10	27	6	36	68
O3ASD0530SA	5.30	27	6	36	68
O3ASD0550SA	5.50	27	6	36	68
O3ASD0560SA	5.60	27	6	36	68
O3ASD0570SA	5.70	27	6	36	68
O3ASD0580SA	5.80	27	6	36	68
O3ASD0600SA	6.00	27	6	36	68
O3ASD0650SA	6.50	32	8	36	73
O3ASD0660SA	6.60	32	8	36	73
O3ASD0670SA	6.70	32	8	36	73
O3ASD0680SA	6.80	32	8	36	73
O3ASD0690SA	6.90	32	8	36	73
O3ASD0700SA	7.00	32	8	36	73
O3ASD0730SA	7.30	36	8	36	77
O3ASD0740SA	7.40	36	8	36	77
O3ASD0750SA	7.50	36	8	36	77
O3ASD0770SA	7.70	36	8	36	77
O3ASD0780SA	7.80	36	8	36	77
O3ASD0800SA	8.00	36	8	36	77
O3ASD0850SA	8.50	41	10	40	86
O3ASD0870SA	8.70	41	10	40	86
O3ASD0880SA	8.80	41	10	40	86
O3ASD0900SA	9.00	41	10	40	86
O3ASD0930SA	9.30	45	10	40	90
O3ASD0950SA	9.50	45	10	40	90
O3ASD0960SA	9.60	45	10	40	90
O3ASD0970SA	9.70	45	10	40	90
O3ASD0980SA	9.80	45	10	40	90
O3ASD1000SA	10.00	45	10	40	90
O3ASD1020SA	10.20	50	12	45	100
O3ASD1050SA	10.50	50	12	45	100
O3ASD1070SA	10.70	50	12	45	100
O3ASD1080SA	10.80	50	12	45	100
O3ASD1100SA	11.00	50	12	45	100
O3ASD1120SA	11.20	54	12	45	104
O3ASD1150SA	11.50	54	12	45	104
O3ASD1170SA	11.70	54	12	45	104
O3ASD1180SA	11.80	54	12	45	104
O3ASD1200SA	12.00	54	12	45	104
O3ASD1250SA	12.50	59	14	45	109
O3ASD1270SA	12.70	59	14	45	109
O3ASD1280SA	12.80	59	14	45	109
O3ASD1300SA	13.00	59	14	45	109
O3ASD1350SA	13.50	63	14	45	113
O3ASD1370SA	13.70	63	14	45	113

基准型订货号 Basic type Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
SA系列 (铝用无涂层) SA Series (No Coating for Aluminum)	dc	lc	ds	ls	lo
O3ASD1380SA	13.80	63	14	45	113
O3ASD1400SA	14.00	63	14	45	113
O3ASD1450SA	14.50	68	16	48	121
O3ASD1470SA	14.70	68	16	48	121
O3ASD1480SA	14.80	68	16	48	121
O3ASD1500SA	15.00	68	16	48	121
O3ASD1550SA	15.50	72	16	48	125
O3ASD1570SA	15.70	72	16	48	125
O3ASD1580SA	15.80	72	16	48	125
O3ASD1600SA	16.00	72	16	48	125
O3ASD1650SA	16.50	77	18	48	130
O3ASD1670SA	16.70	77	18	48	130
O3ASD1680SA	16.80	77	18	48	130
O3ASD1700SA	17.00	77	18	48	130
O3ASD1750SA	17.50	81	18	48	134
O3ASD1770SA	17.70	81	18	48	134
O3ASD1780SA	17.80	81	18	48	134
O3ASD1800SA	18.00	81	18	48	134
O3ASD1850SA	18.50	86	20	50	141
O3ASD1860SA	18.60	86	20	50	141
O3ASD1870SA	18.70	86	20	50	141
O3ASD1880SA	18.80	86	20	50	141
O3ASD1900SA	19.00	86	20	50	141
O3ASD1950SA	19.50	90	20	50	145
O3ASD1970SA	19.70	90	20	50	145
O3ASD1980SA	19.80	90	20	50	145
O3ASD2000SA	20.00	90	20	50	145

备注 Note: 被加工材料选择基准 (◎ 最适合 ○ 适合) Selection Chart (◎ Most Suitable ○ Suitable)

系列 Series	被切削材料 Work Material													
	结构钢 Structural Steel	碳素钢 Carbon Steel	合金钢 Alloy Steel	预硬化钢 Pre-Hardened Steel	调质钢、模具钢、高硬度钢 Hardened Steel				不锈钢 Stainless Steel	钛合金、 耐热合金 Titanium Alloys, Nickel Alloys	铸铁 Cast Irons	铝合金 Aluminum Alloys	铜合金 Copper Alloys	树脂 Plastic
O3ASD-SA					HRC30 -45	HRC45 -55	HRC55 -60	>HRC60				◎	○	◎

● ASD 整体硬质合金铝用螺旋槽钻头 5×D 基准型 ASD Solid Carbide Helix Drill for Aluminum Alloys 5xD Basic Type



刀具特点说明:

- 1、刀具尺寸按本公司标准制造，接受非标定制。刃径公差为m7，柄部公差为h6。
- 2、刀尖顶角、刀尖形式、排屑槽形式、涂层等要素针对
- 3、对各系列特点进行分别设计，确保各系列达到最优的加工效果。

Features:

- 1、All dimension is fixed by our norm and also accept non standard order.
- 2、Tolerance of dc m7; tolerance of ds h6.
- 3、To achieve the best performance, special design for point angel, point geometry, flute type and coating etc..

单位: mm

基准型订货号 Basic type Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
SA系列 (铝用无涂层) SA Series (No Coating for Aluminum)	dc	lc	ds	ls	lo
5ASD0200SA	2.00	15	3	28	46
5ASD0210SA	2.10	15	3	28	46
5ASD0220SA	2.20	15	3	28	46
5ASD0230SA	2.30	15	3	28	46
5ASD0240SA	2.40	15	3	28	46
5ASD0250SA	2.50	15	3	28	46
5ASD0260SA	2.60	20	3	28	51
5ASD0270SA	2.70	20	3	28	51
5ASD0275SA	2.75	20	3	28	51
5ASD0280SA	2.80	20	3	28	51
5ASD0300SA	3.00	20	3	28	51
5ASD0330SA	3.30	26	4	28	59
5ASD0340SA	3.40	26	4	28	59
5ASD0350SA	3.50	26	4	28	59
5ASD0360SA	3.60	26	4	28	59
5ASD0365SA	3.65	26	4	28	59
5ASD0370SA	3.70	26	4	28	59
5ASD0375SA	3.75	26	4	28	59
5ASD0380SA	3.80	26	4	28	59
5ASD0400SA	4.00	26	4	28	59
5ASD0420SA	4.20	35	6	36	78
5ASD0450SA	4.50	35	6	36	76
5ASD0460SA	4.60	35	6	36	76
5ASD0470SA	4.70	35	6	36	76
5ASD0480SA	4.80	35	6	36	76

基准型订货号 Basic type Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
SA系列 (铝用无涂层) SA Series (No Coating for Aluminum)	dc	lc	ds	ls	lo
5ASD0500SA	5.00	35	6	36	76
5ASD0510SA	5.10	39	6	36	80
5ASD0530SA	5.30	39	6	36	80
5ASD0550SA	5.50	39	6	36	80
5ASD0560SA	5.60	39	6	36	80
5ASD0570SA	5.70	39	6	36	80
5ASD0580SA	5.80	39	6	36	80
5ASD0600SA	6.00	39	6	36	80
5ASD0650SA	6.50	48	8	36	89
5ASD0660SA	6.60	48	8	36	89
5ASD0670SA	6.70	48	8	36	89
5ASD0680SA	6.80	48	8	36	89
5ASD0690SA	6.90	48	8	36	89
5ASD0700SA	7.00	48	8	36	89
5ASD0730SA	7.30	52	8	36	93
5ASD0740SA	7.40	52	8	36	93
5ASD0750SA	7.50	52	8	36	93
5ASD0770SA	7.70	52	8	36	93
5ASD0780SA	7.80	52	8	36	93
5ASD0800SA	8.00	52	8	36	93
5ASD0850SA	8.50	61	10	40	106
5ASD0870SA	8.70	61	10	40	106
5ASD0880SA	8.80	61	10	40	106
5ASD0900SA	9.00	61	10	40	106
5ASD0930SA	9.30	65	10	40	110
5ASD0950SA	9.50	65	10	40	110
5ASD0960SA	9.60	65	10	40	110
5ASD0970SA	9.70	65	10	40	110
5ASD0980SA	9.80	65	10	40	110
5ASD1000SA	10.00	65	10	40	110
5ASD1020SA	10.20	74	12	45	124
5ASD1050SA	10.50	74	12	45	124
5ASD1070SA	10.70	74	12	45	124
5ASD1080SA	10.80	74	12	45	124
5ASD1100SA	11.00	74	12	45	124
5ASD1120SA	11.20	78	12	45	128
5ASD1150SA	11.50	78	12	45	128
5ASD1170SA	11.70	78	12	45	128
5ASD1180SA	11.80	78	12	45	128
5ASD1200SA	12.00	78	12	45	128
5ASD1250SA	12.50	87	14	45	137
5ASD1270SA	12.70	87	14	45	137
5ASD1280SA	12.80	87	14	45	137
5ASD1300SA	13.00	87	14	45	137
5ASD1350SA	13.50	91	14	45	141
5ASD1370SA	13.70	91	14	45	141

基准型订货号 Basic type Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
SA系列 (铝用无涂层) SA Series (No Coating for Aluminum)	dc	lc	ds	ls	lo
5ASD1380SA	13.80	91	14	45	141
5ASD1400SA	14.00	91	14	45	141
5ASD1450SA	14.50	100	16	48	153
5ASD1470SA	14.70	100	16	48	153
5ASD1480SA	14.80	100	16	48	153
5ASD1500SA	15.00	100	16	48	153
5ASD1550SA	15.50	104	16	48	157
5ASD1570SA	15.70	104	16	48	157
5ASD1580SA	15.80	104	16	48	157
5ASD1600SA	16.00	104	16	48	157
5ASD1650SA	16.50	113	18	48	166
5ASD1670SA	16.70	113	18	48	166
5ASD1680SA	16.80	113	18	48	166
5ASD1700SA	17.00	113	18	48	166
5ASD1750SA	17.50	117	18	48	170
5ASD1770SA	17.70	117	18	48	170
5ASD1780SA	17.80	117	18	48	170
5ASD1800SA	18.00	117	18	48	170
5ASD1850SA	18.50	126	20	50	181
5ASD1860SA	18.60	126	20	50	181
5ASD1870SA	18.70	126	20	50	181
5ASD1880SA	18.80	126	20	50	181
5ASD1900SA	19.00	126	20	50	181
5ASD1950SA	19.50	130	20	50	185
5ASD1970SA	19.70	130	20	50	185
5ASD1980SA	19.80	130	20	50	185
5ASD2000SA	20.00	130	20	50	185

备注 Note: 被加工材料选择基准 (⊗ 最适合 ○ 适合) Selection Chart (⊗ Most Suitable ○ Suitable)

系列 Series	被切削材料 Work Material													
	结构钢 Structural Steel	碳素钢 Carbon Steel	合金钢 Alloy Steel	预硬化钢 Pre-Hardened Steel	调质钢、模具钢、高硬度钢 Hardened Steel				不锈钢 Stainless Steel	钛合金、耐热合金 Titanium Alloys, Nickel Alloys	铸铁 Cast Irons	铝合金 Aluminum Alloys	铜合金 Copper Alloys	树脂 Plastic
					HRC30-45	HRC45-55	HRC55-60	>HRC60						
5ASD-SA												⊗	○	⊗

ASD 内冷整体硬质合金铝用螺旋槽钻头 5×D 基准型 ASD Solid Carbide Helix Drill with Internal Coolant for Aluminum Alloys 5xD Basic Type



刀具特点说明:

- 1、 刀具尺寸按本公司标准制造, 接受非标定制。刃径公差为m7, 柄部公差为h6。
- 2、 刀尖顶角、刀尖形式、排屑槽形式、涂层等要素针对。
- 3、 对各系列特点进行分别设计, 确保各系列达到最优的加工效果。

Features:

- 1、 All dimension is fixed by our norm and also accept non standard order.
- 2、 Tolerance of dc m7; tolerance of ds h6.
- 3、 To achieve the best performance, special design for point angel, point geometry, flute type and coating etc..

单位: mm

基准型订货号 Basic type Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
SA系列 (铝用无涂层) SA Series (No Coating for Aluminum)	dc	lc	ds	ls	lo
O5ASD0200SA	2.00	15	3	28	46
O5ASD0210SA	2.10	15	3	28	46
O5ASD0220SA	2.20	15	3	28	46
O5ASD0230SA	2.30	15	3	28	46
O5ASD0240SA	2.40	15	3	28	46
O5ASD0250SA	2.50	15	3	28	46
O5ASD0260SA	2.60	20	3	28	51
O5ASD0270SA	2.70	20	3	28	51
O5ASD0275SA	2.75	20	3	28	51
O5ASD0280SA	2.80	20	3	28	51
O5ASD0300SA	3.00	20	3	28	51
O5ASD0330SA	3.30	26	4	28	59
O5ASD0340SA	3.40	26	4	28	59
O5ASD0350SA	3.50	26	4	28	59
O5ASD0360SA	3.60	26	4	28	59
O5ASD0365SA	3.65	26	4	28	59
O5ASD0370SA	3.70	26	4	28	59
O5ASD0375SA	3.75	26	4	28	59
O5ASD0380SA	3.80	26	4	28	59
O5ASD0400SA	4.00	26	4	28	59
O5ASD0420SA	4.20	35	6	36	76
O5ASD0450SA	4.50	35	6	36	76
O5ASD0460SA	4.60	35	6	36	76
O5ASD0470SA	4.70	35	6	36	76
O5ASD0480SA	4.80	35	6	36	76

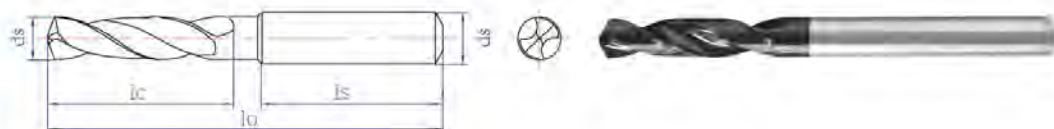
基准型订货号 Basic type Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
SA系列 (铝用无涂层) SA Series (No Coating for Aluminum)	dc	lc	ds	ls	lo
O5ASD0500SA	5.00	35	6	36	76
O5ASD0510SA	5.10	39	6	36	80
O5ASD0530SA	5.30	39	6	36	80
O5ASD0550SA	5.50	39	6	36	80
O5ASD0560SA	5.60	39	6	36	80
O5ASD0570SA	5.70	39	6	36	80
O5ASD0580SA	5.80	39	6	36	80
O5ASD0600SA	6.00	39	6	36	80
O5ASD0650SA	6.50	48	8	36	89
O5ASD0660SA	6.60	48	8	36	89
O5ASD0670SA	6.70	48	8	36	89
O5ASD0680SA	6.80	48	8	36	89
O5ASD0690SA	6.90	48	8	36	89
O5ASD0700SA	7.00	48	8	36	89
O5ASD0730SA	7.30	52	8	36	93
O5ASD0740SA	7.40	52	8	36	93
O5ASD0750SA	7.50	52	8	36	93
O5ASD0770SA	7.70	52	8	36	93
O5ASD0780SA	7.80	52	8	36	93
O5ASD0800SA	8.00	52	8	36	93
O5ASD0850SA	8.50	61	10	40	106
O5ASD0870SA	8.70	61	10	40	106
O5ASD0880SA	8.80	61	10	40	106
O5ASD0900SA	9.00	61	10	40	106
O5ASD0930SA	9.30	65	10	40	110
O5ASD0950SA	9.50	65	10	40	110
O5ASD0960SA	9.60	65	10	40	110
O5ASD0970SA	9.70	65	10	40	110
O5ASD0980SA	9.80	65	10	40	110
O5ASD1000SA	10.00	65	10	40	110
O5ASD1020SA	10.20	74	12	45	124
O5ASD1050SA	10.50	74	12	45	124
O5ASD1070SA	10.70	74	12	45	124
O5ASD1080SA	10.80	74	12	45	124
O5ASD1100SA	11.00	74	12	45	124
O5ASD1120SA	11.20	78	12	45	128
O5ASD1150SA	11.50	78	12	45	128
O5ASD1170SA	11.70	78	12	45	128
O5ASD1180SA	11.80	78	12	45	128
O5ASD1200SA	12.00	78	12	45	128
O5ASD1250SA	12.50	87	14	45	137
O5ASD1270SA	12.70	87	14	45	137
O5ASD1280SA	12.80	87	14	45	137
O5ASD1300SA	13.00	87	14	45	137
O5ASD1350SA	13.50	91	14	45	141
O5ASD1370SA	13.70	91	14	45	141

基准型订货号 Basic type Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
SA系列 (铝用无涂层) SA Series (No Coating for Aluminum)	dc	lc	ds	ls	lo
O5ASD1380SA	13.80	91	14	45	141
O5ASD1400SA	14.00	91	14	45	141
O5ASD1450SA	14.50	100	16	48	153
O5ASD1470SA	14.70	100	16	48	153
O5ASD1480SA	14.80	100	16	48	153
O5ASD1500SA	15.00	100	16	48	153
O5ASD1550SA	15.50	104	16	48	157
O5ASD1570SA	15.70	104	16	48	157
O5ASD1580SA	15.80	104	16	48	157
O5ASD1600SA	16.00	104	16	48	157
O5ASD1650SA	16.50	113	18	48	166
O5ASD1670SA	16.70	113	18	48	166
O5ASD1680SA	16.80	113	18	48	166
O5ASD1700SA	17.00	113	18	48	166
O5ASD1750SA	17.50	117	18	48	170
O5ASD1770SA	17.70	117	18	48	170
O5ASD1780SA	17.80	117	18	48	170
O5ASD1800SA	18.00	117	18	48	170
O5ASD1850SA	18.50	126	20	50	181
O5ASD1860SA	18.60	126	20	50	181
O5ASD1870SA	18.70	126	20	50	181
O5ASD1880SA	18.80	126	20	50	181
O5ASD1900SA	19.00	126	20	50	181
O5ASD1950SA	19.50	130	20	50	185
O5ASD1970SA	19.70	130	20	50	185
O5ASD1980SA	19.80	130	20	50	185
O5ASD2000SA	20.00	130	20	50	185

备注 Note: 被加工材料选择基准 (◎ 最适合 ○ 适合) Selection Chart (◎ Most Suitable ○ Suitable)

系列 Series	被切削材料 Work Material													
	结构钢 Structural Steel	碳素钢 Carbon Steel	合金钢 Alloy Steel	预硬化钢 Pre-Hardened Steel	调质钢、模具钢、高硬度钢 Hardened Steel				不锈钢 Stainless Steel	钛合金、耐钛合金 Titanium Alloys, Nickel Alloys	铸铁 Cast Irons	铝合金 Aluminum Alloys	铜合金 Copper Alloys	树脂 Plastic
					HRC30-45	HRC45-55	HRC55-80	>HRC80						
O5ASD-SA												◎	○	◎

● ASD 整体硬质合金铝用螺旋槽钻头 3×D 高性能型 ASD Solid Carbide Helix Drill for Aluminuma Alloys 3xD High-performance Type



刀具特点说明:

- 1、刀具尺寸按本公司标准制造, 接受非标定制。
刃径公差为m7, 柄部公差为h6。
- 2、刀尖顶角、刀尖形式、排屑槽形式、涂层等要素针
- 3、对各系列特点进行分别设计, 确保各系列达到最优的加工效果。

Features:

- 1、All dimension is fixed by our norm and also accept non standard order.
- 2、Tolerance of dc m7; tolerance of ds h6.
- 3、To achieve the best performance, special design for point angel, point geometry, flute type and coating etc..

单位: mm

高性能型订货号 High-performance type Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
SD系列 (铝用DLC涂层) SD Series (DLC Coating for Aluminum)	dc	lc	ds	ls	lo
3ASD0200SD	2.00	10	3	28	41
3ASD0210SD	2.10	10	3	28	41
3ASD0220SD	2.20	10	3	28	41
3ASD0230SD	2.30	10	3	28	41
3ASD0240SD	2.40	10	3	28	41
3ASD0250SD	2.50	10	3	28	41
3ASD0260SD	2.60	14	3	28	45
3ASD0270SD	2.70	14	3	28	45
3ASD0275SD	2.75	14	3	28	45
3ASD0280SD	2.80	14	3	28	45
3ASD0300SD	3.00	14	3	28	45
3ASD0330SD	3.30	18	4	28	51
3ASD0340SD	3.40	18	4	28	51
3ASD0350SD	3.50	18	4	28	51
3ASD0360SD	3.60	18	4	28	51
3ASD0365SD	3.65	18	4	28	51
3ASD0370SD	3.70	18	4	28	51
3ASD0375SD	3.75	18	4	28	51
3ASD0380SD	3.80	18	4	28	51
3ASD0400SD	4.00	18	4	28	51
3ASD0420SD	4.20	23	6	36	64
3ASD0450SD	4.50	23	6	36	64
3ASD0460SD	4.60	23	6	36	64
3ASD0470SD	4.70	23	6	36	64
3ASD0480SD	4.80	23	6	36	64

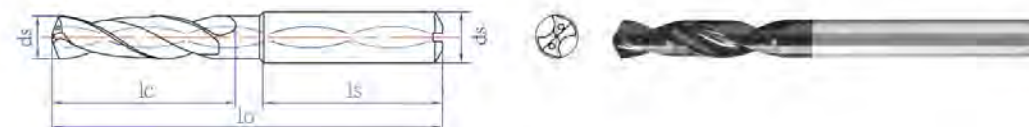
高性能型订货号 High-performance type Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
SD系列 (铝用DLC涂层) SD Series (DLC Coating for Aluminum)	dc	lc	ds	ls	lo
3ASD0500SD	5.00	23	6	36	64
3ASD0510SD	5.10	27	6	36	68
3ASD0530SD	5.30	27	6	36	68
3ASD0550SD	5.50	27	6	36	68
3ASD0560SD	5.60	27	6	36	68
3ASD0570SD	5.70	27	6	36	68
3ASD0580SD	5.80	27	6	36	68
3ASD0600SD	6.00	27	6	36	68
3ASD0650SD	6.50	32	8	36	73
3ASD0660SD	6.60	32	8	36	73
3ASD0670SD	6.70	32	8	36	73
3ASD0680SD	6.80	32	8	36	73
3ASD0690SD	6.90	32	8	36	73
3ASD0700SD	7.00	32	8	36	73
3ASD0730SD	7.30	36	8	36	77
3ASD0740SD	7.40	36	8	36	77
3ASD0750SD	7.50	36	8	36	77
3ASD0770SD	7.70	36	8	36	77
3ASD0780SD	7.80	36	8	36	77
3ASD0800SD	8.00	36	8	36	77
3ASD0850SD	8.50	41	10	40	86
3ASD0870SD	8.70	41	10	40	86
3ASD0880SD	8.80	41	10	40	86
3ASD0900SD	9.00	41	10	40	86
3ASD0930SD	9.30	45	10	40	90
3ASD0950SD	9.50	45	10	40	90
3ASD0960SD	9.60	45	10	40	90
3ASD0970SD	9.70	45	10	40	90
3ASD0980SD	9.80	45	10	40	90
3ASD1000SD	10.00	45	10	40	90
3ASD1020SD	10.20	50	12	45	100
3ASD1050SD	10.50	50	12	45	100
3ASD1070SD	10.70	50	12	45	100
3ASD1080SD	10.80	50	12	45	100
3ASD1100SD	11.00	50	12	45	100
3ASD1120SD	11.20	54	12	45	104
3ASD1150SD	11.50	54	12	45	104
3ASD1170SD	11.70	54	12	45	104
3ASD1180SD	11.80	54	12	45	104
3ASD1200SD	12.00	54	12	45	104
3ASD1250SD	12.50	59	14	45	109
3ASD1270SD	12.70	59	14	45	109
3ASD1280SD	12.80	59	14	45	109
3ASD1300SD	13.00	59	14	45	109
3ASD1350SD	13.50	63	14	45	113
3ASD1370SD	13.70	63	14	45	113

高性能型订货号 High-performance type Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
SD系列 (铝用DLC涂层) SD Series (DLC Coating for Aluminum)	dc	lc	ds	ls	lo
3ASD1380SD	13.80	63	14	45	113
3ASD1400SD	14.00	63	14	45	113
3ASD1450SD	14.50	68	16	48	121
3ASD1470SD	14.70	68	16	48	121
3ASD1480SD	14.80	68	16	48	121
3ASD1500SD	15.00	68	16	48	121
3ASD1550SD	15.50	72	16	48	125
3ASD1570SD	15.70	72	16	48	125
3ASD1580SD	15.80	72	16	48	125
3ASD1600SD	16.00	72	16	48	125
3ASD1650SD	16.50	77	18	48	130
3ASD1670SD	16.70	77	18	48	130
3ASD1680SD	16.80	77	18	48	130
3ASD1700SD	17.00	77	18	48	130
3ASD1750SD	17.50	81	18	48	134
3ASD1770SD	17.70	81	18	48	134
3ASD1780SD	17.80	81	18	48	134
3ASD1800SD	18.00	81	18	48	134
3ASD1850SD	18.50	86	20	50	141
3ASD1860SD	18.60	86	20	50	141
3ASD1870SD	18.70	86	20	50	141
3ASD1880SD	18.80	86	20	50	141
3ASD1900SD	19.00	86	20	50	141
3ASD1950SD	19.50	90	20	50	145
3ASD1970SD	19.70	90	20	50	145
3ASD1980SD	19.80	90	20	50	145
3ASD2000SD	20.00	90	20	50	145

备注 Note: 被加工材料选择基准 (⊗ 最适合 ○ 适合) Selection Chart (⊗ Most Suitable ○ Suitable)

系列 Series	被切削材料 Work Material													
	结构钢 Structural Steel	碳素钢 Carbon Steel	合金钢 Alloy Steel	预硬化钢 Pre-Hardened Steel	调质钢、模具钢、高硬度钢 Hardened Steel				不锈钢 Stainless Steel	钛合金、 耐热合金 Titanium Alloys, Nickel Alloys	铸铁 Cast Irons	铝合金 Aluminum Alloys	铜合金 Copper Alloys	树脂 Plastic
					HRC30 -45	HRC45 -55	HRC55 -60	>HRC60						
3ASD-SD												⊗	⊗	○

● ASD 内冷整体硬质合金铝用螺旋槽钻头 3×D 高性能型 ASD Solid Carbide Helix Drill with Internal Coolant for Aluminum Alloys 3xD High-performance Type



刀具特点说明:

- 1、刀具尺寸按本公司标准制造，接受非标定制。刃径公差为m7、柄部公差为h6。
- 2、刀尖顶角，刀尖形式，排屑槽形式、涂层等要素针对
- 3、对各系列特点进行分别设计，确保各系列达到最优的加工效果。

Features:

- 1、All dimension is fixed by our norm and also accept non standard order.
- 2、Tolerance of dc m7; tolerance of ds h6.
- 3、To achieve the best performance, special design for point angel, point geometry, flute type and coating etc..

单位: mm

高性能型订货号 High-performance type Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
SD系列 (铝用DLC涂层) SD Series (DLC Coating for Aluminum)	dc	lc	ds	ls	lo
O3ASD0200SD	2.00	10	3	28	41
O3ASD0210SD	2.10	10	3	28	41
O3ASD0220SD	2.20	10	3	28	41
O3ASD0230SD	2.30	10	3	28	41
O3ASD0240SD	2.40	10	3	28	41
O3ASD0250SD	2.50	10	3	28	41
O3ASD0260SD	2.60	14	3	28	45
O3ASD0270SD	2.70	14	3	28	45
O3ASD0275SD	2.75	14	3	28	45
O3ASD0280SD	2.80	14	3	28	45
O3ASD0300SD	3.00	14	3	28	45
O3ASD0330SD	3.30	18	4	28	51
O3ASD0340SD	3.40	18	4	28	51
O3ASD0350SD	3.50	18	4	28	51
O3ASD0360SD	3.60	18	4	28	51
O3ASD0365SD	3.65	18	4	28	51
O3ASD0370SD	3.70	18	4	28	51
O3ASD0375SD	3.75	18	4	28	51
O3ASD0380SD	3.80	18	4	28	51
O3ASD0400SD	4.00	18	4	28	51
O3ASD0420SD	4.20	23	6	36	64
O3ASD0450SD	4.50	23	6	36	64
O3ASD0460SD	4.60	23	6	36	64
O3ASD0470SD	4.70	23	6	36	64
O3ASD0480SD	4.80	23	6	36	64

高性能型订货号 High-performance type Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
SD系列 (铝用DLC涂层) SD Series (DLC Coating for Aluminum)	dc	lc	ds	ls	lo
O3ASD0500SD	5.00	23	6	36	64
O3ASD0510SD	5.10	27	6	36	68
O3ASD0530SD	5.30	27	6	36	68
O3ASD0550SD	5.50	27	6	36	68
O3ASD0560SD	5.60	27	6	36	68
O3ASD0570SD	5.70	27	6	36	68
O3ASD0580SD	5.80	27	6	36	68
O3ASD0600SD	6.00	27	6	36	68
O3ASD0650SD	6.50	32	8	36	73
O3ASD0660SD	6.60	32	8	36	73
O3ASD0670SD	6.70	32	8	36	73
O3ASD0680SD	6.80	32	8	36	73
O3ASD0690SD	6.90	32	8	36	73
O3ASD0700SD	7.00	32	8	36	73
O3ASD0730SD	7.30	36	8	36	77
O3ASD0740SD	7.40	36	8	36	77
O3ASD0750SD	7.50	36	8	36	77
O3ASD0770SD	7.70	36	8	36	77
O3ASD0780SD	7.80	36	8	36	77
O3ASD0800SD	8.00	36	8	36	77
O3ASD0850SD	8.50	41	10	40	86
O3ASD0870SD	8.70	41	10	40	86
O3ASD0880SD	8.80	41	10	40	86
O3ASD0900SD	9.00	41	10	40	86
O3ASD0930SD	9.30	45	10	40	90
O3ASD0950SD	9.50	45	10	40	90
O3ASD0960SD	9.60	45	10	40	90
O3ASD0970SD	9.70	45	10	40	90
O3ASD0980SD	9.80	45	10	40	90
O3ASD1000SD	10.00	45	10	40	90
O3ASD1020SD	10.20	50	12	45	100
O3ASD1050SD	10.50	50	12	45	100
O3ASD1070SD	10.70	50	12	45	100
O3ASD1080SD	10.80	50	12	45	100
O3ASD1100SD	11.00	50	12	45	100
O3ASD1120SD	11.20	54	12	45	104
O3ASD1150SD	11.50	54	12	45	104
O3ASD1170SD	11.70	54	12	45	104
O3ASD1180SD	11.80	54	12	45	104
O3ASD1200SD	12.00	54	12	45	104
O3ASD1250SD	12.50	59	14	45	109
O3ASD1270SD	12.70	59	14	45	109
O3ASD1280SD	12.80	59	14	45	109
O3ASD1300SD	13.00	59	14	45	109
O3ASD1350SD	13.50	63	14	45	113
O3ASD1370SD	13.70	63	14	45	113

高性能型订货号 High-performance type Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
SD系列 (铝用DLC涂层) SD Series (DLC Coating for Aluminum)	dc	lc	ds	ls	lo
O3ASD1380SD	13.80	63	14	45	113
O3ASD1400SD	14.00	63	14	45	113
O3ASD1450SD	14.50	68	16	48	121
O3ASD1470SD	14.70	68	16	48	121
O3ASD1480SD	14.80	68	16	48	121
O3ASD1500SD	15.00	68	16	48	121
O3ASD1550SD	15.50	72	16	48	125
O3ASD1570SD	15.70	72	16	48	125
O3ASD1580SD	15.80	72	16	48	125
O3ASD1600SD	16.00	72	16	48	125
O3ASD1650SD	16.50	77	18	48	130
O3ASD1670SD	16.70	77	18	48	130
O3ASD1680SD	16.80	77	18	48	130
O3ASD1700SD	17.00	77	18	48	130
O3ASD1750SD	17.50	81	18	48	134
O3ASD1770SD	17.70	81	18	48	134
O3ASD1780SD	17.80	81	18	48	134
O3ASD1800SD	18.00	81	18	48	134
O3ASD1850SD	18.50	86	20	50	141
O3ASD1860SD	18.60	86	20	50	141
O3ASD1870SD	18.70	86	20	50	141
O3ASD1880SD	18.80	86	20	50	141
O3ASD1900SD	19.00	86	20	50	141
O3ASD1950SD	19.50	90	20	50	145
O3ASD1970SD	19.70	90	20	50	145
O3ASD1980SD	19.80	90	20	50	145
O3ASD2000SD	20.00	90	20	50	145

备注 Note: 被加工材料选择基准 (◎ 最适合 ○ 适合) Selection Chart (◎ Most Suitable ○ Suitable)

系列 Series	被切削材料 Work Material													
	结构钢 Structural Steel	碳素钢 Carbon Steel	合金钢 Alloy Steel	预硬化钢 Pre-Hardened Steel	调质钢、模具钢、高硬度钢 Hardened Steel				不锈钢 Stainless Steel	钛合金、 耐热合金 Titanium Alloys, Nickel Alloys	铸铁 Cast Irons	铝合金 Aluminum Alloys	铜合金 Copper Alloys	树脂 Plastic
O3ASD-SD					HRC30-45	HRC45-55	HRC55-60	>HRC50				◎	◎	○

● ASD 整体硬质合金铝用螺旋槽钻头 5×D 高性能型 ASD Solid Carbide Helix Drill for Aluminuma Alloys 5xD High-performance Type



刀具特点说明:

- 1、刀具尺寸按本公司标准制造，接受非标定制。
刃径公差为m7，柄部公差为h6。
- 2、刀尖顶角，刀尖形式、排屑槽形式、涂层等要素针
- 3、对各系列特点进行分别设计，确保各系列达到最优的加工效果。

Features:

- 1、All dimension is fixed by our norm and also accept non standard order.
- 2、Tolerance of dc m7; tolerance of ds h6.
- 3、To achieve the best performance, special design for point angel, point geometry, flute type and coating etc..

单位: mm

高性能型订货号 High-performance type Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
SD系列 (铝用DLC涂层) SD Series (DLC Coating for Aluminum)	dc	lc	ds	ls	lo
5ASD0200SD	2.00	15	3	28	46
5ASD0210SD	2.10	15	3	28	46
5ASD0220SD	2.20	15	3	28	46
5ASD0230SD	2.30	15	3	28	46
5ASD0240SD	2.40	15	3	28	46
5ASD0250SD	2.50	15	3	28	46
5ASD0260SD	2.60	20	3	28	51
5ASD0270SD	2.70	20	3	28	51
5ASD0275SD	2.75	20	3	28	51
5ASD0280SD	2.80	20	3	28	51
5ASD0300SD	3.00	20	3	28	51
5ASD0330SD	3.30	26	4	28	59
5ASD0340SD	3.40	26	4	28	59
5ASD0350SD	3.50	26	4	28	59
5ASD0360SD	3.60	26	4	28	59
5ASD0365SD	3.65	26	4	28	59
5ASD0370SD	3.70	26	4	28	59
5ASD0375SD	3.75	26	4	28	59
5ASD0380SD	3.80	26	4	28	59
5ASD0400SD	4.00	26	4	28	59
5ASD0420SD	4.20	35	6	36	76
5ASD0450SD	4.50	35	6	36	76
5ASD0460SD	4.60	35	6	36	76
5ASD0470SD	4.70	35	6	36	76
5ASD0480SD	4.80	35	6	36	76

高性能型订货号 High-performance type Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
SD系列 (铝用DLC涂层) SD Series (DLC Coating for Aluminum)	dc	lc	ds	ls	lo
5ASD0500SD	5.00	35	6	36	76
5ASD0510SD	5.10	39	6	36	80
5ASD0530SD	5.30	39	6	36	80
5ASD0550SD	5.50	39	6	36	80
5ASD0560SD	5.60	39	6	36	80
5ASD0570SD	5.70	39	6	36	80
5ASD0580SD	5.80	39	6	36	80
5ASD0600SD	6.00	39	6	36	80
5ASD0650SD	6.50	48	8	36	89
5ASD0660SD	6.60	48	8	36	89
5ASD0670SD	6.70	48	8	36	89
5ASD0680SD	6.80	48	8	36	89
5ASD0690SD	6.90	48	8	36	89
5ASD0700SD	7.00	48	8	36	89
5ASD0730SD	7.30	52	8	36	93
5ASD0740SD	7.40	52	8	36	93
5ASD0750SD	7.50	52	8	36	93
5ASD0770SD	7.70	52	8	36	93
5ASD0780SD	7.80	52	8	36	93
5ASD0800SD	8.00	52	8	36	93
5ASD0850SD	8.50	61	10	40	106
5ASD0870SD	8.70	61	10	40	106
5ASD0880SD	8.80	61	10	40	106
5ASD0900SD	9.00	61	10	40	106
5ASD0930SD	9.30	65	10	40	110
5ASD0950SD	9.50	65	10	40	110
5ASD0960SD	9.60	65	10	40	110
5ASD0970SD	9.70	65	10	40	110
5ASD0980SD	9.80	65	10	40	110
5ASD1000SD	10.00	65	10	40	110
5ASD1020SD	10.20	74	12	45	124
5ASD1050SD	10.50	74	12	45	124
5ASD1070SD	10.70	74	12	45	124
5ASD1080SD	10.80	74	12	45	124
5ASD1100SD	11.00	74	12	45	124
5ASD1120SD	11.20	78	12	45	128
5ASD1150SD	11.50	78	12	45	128
5ASD1170SD	11.70	78	12	45	128
5ASD1180SD	11.80	78	12	45	128
5ASD1200SD	12.00	78	12	45	128
5ASD1250SD	12.50	87	14	45	137
5ASD1270SD	12.70	87	14	45	137
5ASD1280SD	12.80	87	14	45	137
5ASD1300SD	13.00	87	14	45	137
5ASD1350SD	13.50	91	14	45	141
5ASD1370SD	13.70	91	14	45	141

高性能型订货号 High-performance type Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
SD系列 (铝用DLC涂层) SD Series (DLC Coating for Aluminum)	dc	lc	ds	ls	lo
5ASD1380SD	13.80	91	14	45	141
5ASD1400SD	14.00	91	14	45	141
5ASD1450SD	14.50	100	16	48	153
5ASD1470SD	14.70	100	16	48	153
5ASD1480SD	14.80	100	16	48	153
5ASD1500SD	15.00	100	16	48	153
5ASD1550SD	15.50	104	16	48	157
5ASD1570SD	15.70	104	16	48	157
5ASD1580SD	15.80	104	16	48	157
5ASD1600SD	16.00	104	16	48	157
5ASD1650SD	16.50	113	18	48	166
5ASD1670SD	16.70	113	18	48	166
5ASD1680SD	16.80	113	18	48	166
5ASD1700SD	17.00	113	18	48	166
5ASD1750SD	17.50	117	18	48	170
5ASD1770SD	17.70	117	18	48	170
5ASD1780SD	17.80	117	18	48	170
5ASD1800SD	18.00	117	18	48	170
5ASD1850SD	18.50	126	20	50	181
5ASD1860SD	18.60	126	20	50	181
5ASD1870SD	18.70	126	20	50	181
5ASD1880SD	18.80	126	20	50	181
5ASD1900SD	19.00	126	20	50	181
5ASD1950SD	19.50	130	20	50	185
5ASD1970SD	19.70	130	20	50	185
5ASD1980SD	19.80	130	20	50	185
5ASD2000SD	20.00	130	20	50	185

备注 Note: 被加工材料选择基准 (◎ 最适合 ○ 适合) Selection Chart (◎ Most Suitable ○ Suitable)

系列 Series	被切削材料 Work Material													
	结构钢 Structural Steel	碳素钢 Carbon Steel	合金钢 Alloy Steel	预硬化钢 Pre-Hardened Steel	调质钢、模具钢、高硬度钢 Hardened Steel				不锈钢 Stainless Steel	钛合金、耐热合金 Titanium Alloys, Nickel Alloys	铸铁 Cast Irons	铝合金 Aluminum Alloys	铜合金 Copper Alloys	树脂 Plastic
5ASD-SD					HRC30-45	HRC45-55	HRC55-60	>HRC60				◎	◎	○

● ASD 内冷整体硬质合金铝用螺旋槽钻头 5×D 高性能型 ASD Solid Carbide Helix Drill with Internal Coolant for Aluminum Alloys 5xD High-performance Type



刀具特点说明:

- 1、刀具尺寸按本公司标准制造，接受非标定制。刃径公差为m7，柄部公差为h6。
- 2、刀尖顶角、刀尖形式、排屑槽形式、涂层等要素针对。
- 3、对各系列特点进行分别设计，确保各系列达到最优的加工效果。

Features:

- 1、All dimension is fixed by our norm and also accept non standard order.
- 2、Tolerance of dc m7; tolerance of ds h6.
- 3、To achieve the best performance, special design for point angel, point geometry, flute type and coating etc..

单位: mm

高性能型订货号 High-performance type Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
SD系列 (铝用DLC涂层) SD Series (DLC Coating for Aluminum)	dc	lc	ds	ls	lo
O5ASD0200SD	2.00	15	3	28	46
O5ASD0210SD	2.10	15	3	28	46
O5ASD0220SD	2.20	15	3	28	46
O5ASD0230SD	2.30	15	3	28	46
O5ASD0240SD	2.40	15	3	28	46
O5ASD0250SD	2.50	15	3	28	46
O5ASD0260SD	2.60	20	3	28	51
O5ASD0270SD	2.70	20	3	28	51
O5ASD0275SD	2.75	20	3	28	51
O5ASD0280SD	2.80	20	3	28	51
O5ASD0300SD	3.00	20	3	28	51
O5ASD0330SD	3.30	26	4	28	59
O5ASD0340SD	3.40	26	4	28	59
O5ASD0350SD	3.50	26	4	28	59
O5ASD0360SD	3.60	26	4	28	59
O5ASD0365SD	3.65	26	4	28	59
O5ASD0370SD	3.70	26	4	28	59
O5ASD0375SD	3.75	26	4	28	59
O5ASD0380SD	3.80	26	4	28	59
O5ASD0400SD	4.00	26	4	28	59
O5ASD0420SD	4.20	35	6	36	76
O5ASD0450SD	4.50	35	6	36	76
O5ASD0460SD	4.60	35	6	36	76
O5ASD0470SD	4.70	35	6	36	76
O5ASD0480SD	4.80	35	6	36	76

高性能型订货号 High-performance type Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
SD系列 (铝用DLC涂层) SD Series (DLC Coating for Aluminum)	dc	lc	ds	ls	lo
O5ASD0500SD	5.00	35	6	36	76
O5ASD0510SD	5.10	39	6	36	80
O5ASD0530SD	5.30	39	6	36	80
O5ASD0550SD	5.50	39	6	36	80
O5ASD0560SD	5.60	39	6	36	80
O5ASD0570SD	5.70	39	6	36	80
O5ASD0580SD	5.80	39	6	36	80
O5ASD0600SD	6.00	39	6	36	80
O5ASD0650SD	6.50	48	8	36	89
O5ASD0660SD	6.60	48	8	36	89
O5ASD0670SD	6.70	48	8	36	89
O5ASD0680SD	6.80	48	8	36	89
O5ASD0690SD	6.90	48	8	36	89
O5ASD0700SD	7.00	48	8	36	89
O5ASD0730SD	7.30	52	8	36	93
O5ASD0740SD	7.40	52	8	36	93
O5ASD0750SD	7.50	52	8	36	93
O5ASD0770SD	7.70	52	8	36	93
O5ASD0780SD	7.80	52	8	36	93
O5ASD0800SD	8.00	52	8	36	93
O5ASD0850SD	8.50	61	10	40	106
O5ASD0870SD	8.70	61	10	40	106
O5ASD0880SD	8.80	61	10	40	106
O5ASD0900SD	9.00	61	10	40	106
O5ASD0930SD	9.30	65	10	40	110
O5ASD0950SD	9.50	65	10	40	110
O5ASD0960SD	9.60	65	10	40	110
O5ASD0970SD	9.70	65	10	40	110
O5ASD0980SD	9.80	65	10	40	110
O5ASD1000SD	10.00	65	10	40	110
O5ASD1020SD	10.20	74	12	45	124
O5ASD1050SD	10.50	74	12	45	124
O5ASD1070SD	10.70	74	12	45	124
O5ASD1080SD	10.80	74	12	45	124
O5ASD1100SD	11.00	74	12	45	124
O5ASD1120SD	11.20	78	12	45	128
O5ASD1150SD	11.50	78	12	45	128
O5ASD1170SD	11.70	78	12	45	128
O5ASD1180SD	11.80	78	12	45	128
O5ASD1200SD	12.00	78	12	45	128
O5ASD1250SD	12.50	87	14	45	137
O5ASD1270SD	12.70	87	14	45	137
O5ASD1280SD	12.80	87	14	45	137
O5ASD1300SD	13.00	87	14	45	137
O5ASD1350SD	13.50	91	14	45	141
O5ASD1370SD	13.70	91	14	45	141

高性能型订货号 High-performance type Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
SD系列 (铝用DLC涂层) SD Series (DLC Coating for Aluminum)	dc	lc	ds	ls	lo
O5ASD1380SD	13.80	91	14	45	141
O5ASD1400SD	14.00	91	14	45	141
O5ASD1450SD	14.50	100	16	48	153
O5ASD1470SD	14.70	100	16	48	153
O5ASD1480SD	14.80	100	16	48	153
O5ASD1500SD	15.00	100	16	48	153
O5ASD1550SD	15.50	104	16	48	157
O5ASD1570SD	15.70	104	16	48	157
O5ASD1580SD	15.80	104	16	48	157
O5ASD1600SD	16.00	104	16	48	157
O5ASD1650SD	16.50	113	18	48	166
O5ASD1670SD	16.70	113	18	48	166
O5ASD1680SD	16.80	113	18	48	166
O5ASD1700SD	17.00	113	18	48	166
O5ASD1750SD	17.50	117	18	48	170
O5ASD1770SD	17.70	117	18	48	170
O5ASD1780SD	17.80	117	18	48	170
O5ASD1800SD	18.00	117	18	48	170
O5ASD1850SD	18.50	126	20	50	181
O5ASD1860SD	18.60	126	20	50	181
O5ASD1870SD	18.70	126	20	50	181
O5ASD1880SD	18.80	126	20	50	181
O5ASD1900SD	19.00	126	20	50	181
O5ASD1950SD	19.50	130	20	50	185
O5ASD1970SD	19.70	130	20	50	185
O5ASD1980SD	19.80	130	20	50	185
O5ASD2000SD	20.00	130	20	50	185

备注 Note: 被加工材料选择基准 (◎ 最适合 ○ 适合) Selection Chart (◎ Most Suitable ○ Suitable)

系列 Series	被切削材料 Work Material													
	结构钢 Structural Steel	碳素钢 Carbon Steel	合金钢 Alloy Steel	预硬化钢 Pre-Hardened Steel	调质钢、模具钢、高硬度钢 Hardened Steel				不锈钢 Stainless Steel	钛合金、耐钛合金 Titanium Alloys, Nickel Alloys	铸铁 Cast Irons	铝合金 Aluminum Alloys	铜合金 Copper Alloys	树脂 Plastic
O5ASD-SD					HRC30-45	HRC45-55	HRC55-80	>HRC80				◎	◎	○

● FD 整体硬质合金铝用直槽钻头 3×D 基准型 FD Solid Carbide Straight Flute Drill For Aluminum 3XD Basic Type



刀具特点说明:

- 1、刀具尺寸按本公司标准制造，接受非标定制。
- 2、刃径公差为m7，柄部公差为h6。
- 3、刀尖顶角、刀尖形式及排屑槽均针对各系列的加工特点分别设计，确保最优的加工效果。

Features:

- 1、All dimension is fixed by our norm and also accept non standard order.
- 2、Tolerance of dc m7;tolerance of ds h6.
- 3、To achieve the best performance, special design for point angel, point geometry, flute type and coating etc..

单位: mm

基准型订货号 Basic type Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
SA系列 (铝用无涂层) SA Series (No Coating for Aluminum)	dc	lc	ds	ls	lo
3FD0300SA	3.00	16	4	28	49
3FD0330SA	3.30	16	4	28	49
3FD0340SA	3.40	16	4	28	49
3FD0350SA	3.50	16	4	28	49
3FD0360SA	3.60	16	4	28	49
3FD0365SA	3.65	16	4	28	49
3FD0370SA	3.70	16	4	28	49
3FD0375SA	3.75	16	4	28	49
3FD0380SA	3.80	16	4	28	49
3FD0400SA	4.00	16	4	28	49
3FD0420SA	4.20	20	6	36	61
3FD0450SA	4.50	20	6	36	61
3FD0460SA	4.60	20	6	36	61
3FD0470SA	4.70	20	6	36	61
3FD0480SA	4.80	20	6	36	61
3FD0500SA	5.00	20	6	36	61
3FD0510SA	5.10	24	6	36	65
3FD0530SA	5.30	24	6	36	65
3FD0550SA	5.50	24	6	36	65
3FD0560SA	5.60	24	6	36	65
3FD0570SA	5.70	24	6	36	65
3FD0580SA	5.80	24	6	36	65
3FD0600SA	6.00	24	6	36	65
3FD0650SA	6.50	28	8	36	69
3FD0660SA	6.60	28	8	36	69

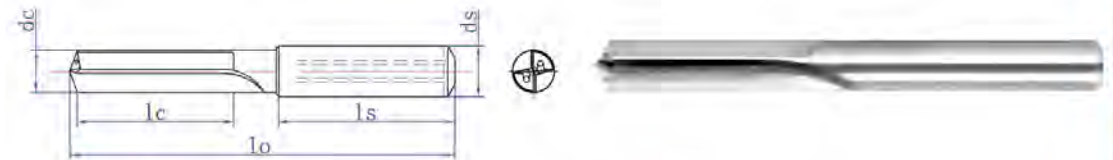
基准型订货号 Basic type Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
SA系列 (铝用无涂层) SA Series (No Coating for Aluminum)	dc	lc	ds	ls	lo
3FD0670SA	6.70	28	8	36	69
3FD0680SA	6.80	28	8	36	69
3FD0690SA	6.90	28	8	36	69
3FD0700SA	7.00	28	8	36	69
3FD0730SA	7.30	32	8	36	73
3FD0740SA	7.40	32	8	36	73
3FD0750SA	7.50	32	8	36	73
3FD0770SA	7.70	32	8	36	73
3FD0780SA	7.80	32	8	36	73
3FD0800SA	8.00	32	8	36	73
3FD0850SA	8.50	36	10	40	81
3FD0870SA	8.70	36	10	40	81
3FD0880SA	8.80	36	10	40	81
3FD0900SA	9.00	36	10	40	81
3FD0930SA	9.30	40	10	40	85
3FD0950SA	9.50	40	10	40	85
3FD0960SA	9.60	40	10	40	85
3FD0970SA	9.70	40	10	40	85
3FD0980SA	9.80	40	10	40	85
3FD1000SA	10.00	40	10	40	85
3FD1020SA	10.20	44	12	45	94
3FD1050SA	10.50	44	12	45	94
3FD1070SA	10.70	44	12	45	94
3FD1080SA	10.80	44	12	45	94
3FD1100SA	11.00	44	12	45	94
3FD1120SA	11.20	48	12	45	98
3FD1150SA	11.50	48	12	45	98
3FD1170SA	11.70	48	12	45	98
3FD1180SA	11.80	48	12	45	98
3FD1200SA	12.00	48	12	45	98
3FD1250SA	12.50	52	14	45	102
3FD1270SA	12.70	52	14	45	102
3FD1280SA	12.80	52	14	45	102
3FD1300SA	13.00	52	14	45	102
3FD1350SA	13.50	56	14	45	106
3FD1370SA	13.70	56	14	45	106
3FD1380SA	13.80	56	14	45	106
3FD1400SA	14.00	56	14	45	106
3FD1450SA	14.50	80	16	48	113
3FD1470SA	14.70	60	16	48	113
3FD1480SA	14.80	60	16	48	113
3FD1500SA	15.00	60	16	48	113
3FD1550SA	15.50	64	16	48	117
3FD1570SA	15.70	64	16	48	117
3FD1580SA	15.80	64	16	48	117
3FD1600SA	16.00	64	16	48	117

基准型订货号 Basic type Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
SA系列 (铝用无涂层) SA Series (No Coating for Aluminum)	dc	lc	ds	ls	lo
3FD1650SA	16.50	68	18	48	121
3FD1670SA	16.70	68	18	48	121
3FD1680SA	16.80	68	18	48	121
3FD1700SA	17.00	68	18	48	121
3FD1750SA	17.50	72	18	48	125
3FD1770SA	17.70	72	18	48	125
3FD1780SA	17.80	72	18	48	125
3FD1800SA	18.00	72	18	48	125
3FD1850SA	18.50	76	20	50	131
3FD1860SA	18.60	76	20	50	131
3FD1870SA	18.70	76	20	50	131
3FD1880SA	18.80	76	20	50	131
3FD1900SA	19.00	76	20	50	131
3FD1950SA	19.50	80	20	50	135
3FD1970SA	19.70	80	20	50	135
3FD1980SA	19.80	80	20	50	135
3FD2000SA	20.00	80	20	50	135

备注 Note: 被加工材料选择基准 (⊙ 最适合 ○ 适合) Selection Chart (⊙ Most Suitable ○ Suitable)

系列 Series	被切削材料 Work Material													
	结构钢 Structural Steel	碳素钢 Carbon Steel	合金钢 Alloy Steel	预硬化钢 Pre-Hardened Steel	调质钢、模具钢、高硬度钢 Hardened Steel				不锈钢 Stainless Steel	钛合金、耐热合金 Titanium Alloys, Nickel Alloys	铸铁 Cast Irons	铝合金 Aluminum Alloys	铜合金 Copper Alloys	树脂 Plastic
3FD-SA					HRC30-45	HRC45-55	HRC55-60	>HRC60				⊙	○	

● FD 内冷整体硬质合金铝用直槽钻头 3×D 基准型 FD Solid Carbide Straight Flute Drill With Internal Coolant For Aluminum 3×D Basic Type



刀具特点说明:

1. 刀具尺寸按本公司标准制造, 接受非标定制。
2. 刃径公差为m7, 柄部公差为h6。
3. 刀尖顶角、刀尖形式及排屑槽均针对各系列的加工特点分别设计, 确保最优的加工效果。

Features:

1. All dimension is fixed by our norm and also accept non standard order.
2. Tolerance of dc m7; tolerance of ds h6.
3. To achieve the best performance, special design for point angel, point geometry, flute type and coating etc.

单位: mm

基准型订货号 Basic type Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
SA系列 (铝用无涂层) SA Series (No Coating for Aluminum)	dc	lc	ds	ls	lo
O3FD0300SA	3.00	16	4	28	49
O3FD0330SA	3.30	16	4	28	49
O3FD0340SA	3.40	16	4	28	49
O3FD0350SA	3.50	16	4	28	49
O3FD0360SA	3.60	16	4	28	49
O3FD0365SA	3.65	16	4	28	49
O3FD0370SA	3.70	16	4	28	49
O3FD0375SA	3.75	16	4	28	49
O3FD0380SA	3.80	16	4	28	49
O3FD0400SA	4.00	16	4	28	49
O3FD0420SA	4.20	20	6	36	61
O3FD0450SA	4.50	20	6	36	61
O3FD0460SA	4.60	20	6	36	61
O3FD0470SA	4.70	20	6	36	61
O3FD0480SA	4.80	20	6	36	61
O3FD0500SA	5.00	20	6	36	61
O3FD0510SA	5.10	24	6	36	65
O3FD0530SA	5.30	24	6	36	65
O3FD0550SA	5.50	24	6	36	65
O3FD0560SA	5.60	24	6	36	65
O3FD0570SA	5.70	24	6	36	65
O3FD0580SA	5.80	24	6	36	65
O3FD0600SA	6.00	24	6	36	65
O3FD0650SA	6.50	28	8	36	69
O3FD0660SA	6.60	28	8	36	69

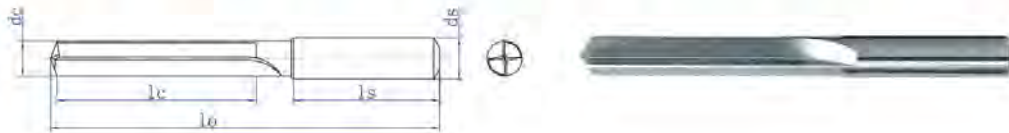
基准型订货号 Basic type Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
SA系列 (铝用无涂层) SA Series (No Coating for Aluminum)	dc	lc	ds	ls	lo
O3FD0670SA	6.70	28	8	36	69
O3FD0680SA	6.80	28	8	36	69
O3FD0690SA	6.90	28	8	36	69
O3FD0700SA	7.00	28	8	36	69
O3FD0730SA	7.30	32	8	36	73
O3FD0740SA	7.40	32	8	36	73
O3FD0750SA	7.50	32	8	36	73
O3FD0770SA	7.70	32	8	36	73
O3FD0780SA	7.80	32	8	36	73
O3FD0800SA	8.00	32	8	36	73
O3FD0850SA	8.50	36	10	40	81
O3FD0870SA	8.70	36	10	40	81
O3FD0880SA	8.80	36	10	40	81
O3FD0900SA	9.00	36	10	40	81
O3FD0930SA	9.30	40	10	40	85
O3FD0950SA	9.50	40	10	40	85
O3FD0960SA	9.60	40	10	40	85
O3FD0970SA	9.70	40	10	40	85
O3FD0980SA	9.80	40	10	40	85
O3FD1000SA	10.00	40	10	40	85
O3FD1020SA	10.20	44	12	45	94
O3FD1050SA	10.50	44	12	45	94
O3FD1070SA	10.70	44	12	45	94
O3FD1080SA	10.80	44	12	45	94
O3FD1100SA	11.00	44	12	45	94
O3FD1120SA	11.20	48	12	45	98
O3FD1150SA	11.50	48	12	45	98
O3FD1170SA	11.70	48	12	45	98
O3FD1180SA	11.80	48	12	45	98
O3FD1200SA	12.00	48	12	45	98
O3FD1250SA	12.50	52	14	45	102
O3FD1270SA	12.70	52	14	45	102
O3FD1280SA	12.80	52	14	45	102
O3FD1300SA	13.00	52	14	45	102
O3FD1350SA	13.50	56	14	45	106
O3FD1370SA	13.70	56	14	45	106
O3FD1380SA	13.80	56	14	45	106
O3FD1400SA	14.00	56	14	45	106
O3FD1450SA	14.50	60	16	48	113
O3FD1470SA	14.70	60	16	48	113
O3FD1480SA	14.80	60	16	48	113
O3FD1500SA	15.00	60	16	48	113
O3FD1550SA	15.50	64	16	48	117
O3FD1570SA	15.70	64	16	48	117
O3FD1580SA	15.80	64	16	48	117
O3FD1600SA	16.00	64	16	48	117

基准型订货号 Basic type Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
SA系列 (铝用无涂层) SA Series (No Coating for Aluminum)	dc	lc	ds	ls	lo
O3FD1650SA	16.50	68	18	48	121
O3FD1670SA	16.70	68	18	48	121
O3FD1680SA	16.80	68	18	48	121
O3FD1700SA	17.00	68	18	48	121
O3FD1750SA	17.50	72	18	48	125
O3FD1770SA	17.70	72	18	48	125
O3FD1780SA	17.80	72	18	48	125
O3FD1800SA	18.00	72	18	48	125
O3FD1850SA	18.50	76	20	50	131
O3FD1860SA	18.60	76	20	50	131
O3FD1870SA	18.70	76	20	50	131
O3FD1880SA	18.80	76	20	50	131
O3FD1900SA	19.00	76	20	50	131
O3FD1950SA	19.50	80	20	50	135
O3FD1970SA	19.70	80	20	50	135
O3FD1980SA	19.80	80	20	50	135
O3FD2000SA	20.00	80	20	50	135

备注 Note: 被加工材料选择基准 (◎ 最适合 ○ 适合) Selection Chart (◎ Most Suitable ○ Suitable)

系列 Series	被切削材料 Work Material													
	结构钢 Structural Steel	碳素钢 Carbon Steel	合金钢 Alloy Steel	预硬化钢 Pre-Hardened Steel	调质钢、模具钢、高强度钢 Hardened Steel				不锈钢 Stainless Steel	钛合金、耐热合金 Titanium Alloys, Nickel Alloys	铸铁 Cast Irons	铝合金 Aluminum Alloys	铜合金 Copper Alloys	树脂 Plastic
					HRC30-45	HRC45-65	HRC55-60	>HRC60						
O3FD-SA												◎	○	

● FD 整体硬质合金铝用直槽钻头 5×D 基准型 FD Solid Carbide Straight Flute Drill For Aluminum 5XD Basic Type



刀具特点说明:

1. 刀具尺寸按本公司标准制造, 接受非标定制。
2. 刃径公差为m7、柄部公差为h6。
3. 刀尖顶角、刀尖形式及排屑槽均针对各系列的加工特点分别设计, 确保最优的加工效果。

Features:

1. All dimension is fixed by our norm and also accept non standard order.
2. Tolerance of dc m7; tolerance of ds h6.
3. To achieve the best performance, special design for point angel, point geometry, flute type and coating etc..

单位: mm

基准型订货号 Basic type Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
SA系列 (铝用无涂层) SA Series (No Coating for Aluminum)	dc	lc	ds	ls	lo
5FD0300SA	3.00	24	4	28	57
5FD0330SA	3.30	24	4	28	57
5FD0340SA	3.40	24	4	28	57
5FD0350SA	3.50	24	4	28	57
5FD0360SA	3.60	24	4	28	57
5FD0365SA	3.65	24	4	28	57
5FD0370SA	3.70	24	4	28	57
5FD0375SA	3.75	24	4	28	57
5FD0380SA	3.80	24	4	28	57
5FD0400SA	4.00	24	4	28	57
5FD0420SA	4.20	30	6	36	71
5FD0450SA	4.50	30	6	36	71
5FD0460SA	4.60	30	6	36	71
5FD0470SA	4.70	30	6	36	71
5FD0480SA	4.80	30	6	36	71
5FD0500SA	5.00	30	6	36	71
5FD0510SA	5.10	36	6	36	77
5FD0530SA	5.30	36	6	36	77
5FD0550SA	5.50	36	6	36	77
5FD0560SA	5.60	36	6	36	77
5FD0570SA	5.70	36	6	36	77
5FD0580SA	5.80	36	6	36	77
5FD0600SA	6.00	36	6	36	77
5FD0650SA	6.50	42	8	36	83
5FD0660SA	6.60	42	8	36	83

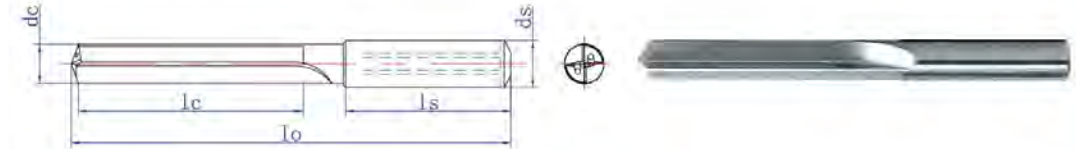
基准型订货号 Basic type Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
SA系列 (铝用无涂层) SA Series (No Coating for Aluminum)	dc	lc	ds	ls	lo
5FD0670SA	6.70	42	8	36	83
5FD0680SA	6.80	42	8	36	83
5FD0690SA	6.90	42	8	36	83
5FD0700SA	7.00	42	8	36	83
5FD0730SA	7.30	48	8	36	89
5FD0740SA	7.40	48	8	36	89
5FD0750SA	7.50	48	8	36	89
5FD0770SA	7.70	48	8	36	89
5FD0780SA	7.80	48	8	36	89
5FD0800SA	8.00	48	8	36	89
5FD0850SA	8.50	54	10	40	99
5FD0870SA	8.70	54	10	40	99
5FD0880SA	8.80	54	10	40	99
5FD0900SA	9.00	54	10	40	99
5FD0930SA	9.30	60	10	40	105
5FD0950SA	9.50	60	10	40	105
5FD0960SA	9.60	60	10	40	105
5FD0970SA	9.70	60	10	40	105
5FD0980SA	9.80	60	10	40	105
5FD1000SA	10.00	60	10	40	105
5FD1020SA	10.20	66	12	45	116
5FD1050SA	10.50	66	12	45	116
5FD1070SA	10.70	66	12	45	116
5FD1080SA	10.80	66	12	45	116
5FD1100SA	11.00	66	12	45	116
5FD1120SA	11.20	72	12	45	122
5FD1150SA	11.50	72	12	45	122
5FD1170SA	11.70	72	12	45	122
5FD1180SA	11.80	72	12	45	122
5FD1200SA	12.00	72	12	45	122
5FD1250SA	12.50	78	14	45	128
5FD1270SA	12.70	78	14	45	128
5FD1280SA	12.80	78	14	45	128
5FD1300SA	13.00	78	14	45	128
5FD1350SA	13.50	84	14	45	134
5FD1370SA	13.70	84	14	45	134
5FD1380SA	13.80	84	14	45	134
5FD1400SA	14.00	84	14	45	134
5FD1450SA	14.50	90	16	48	143
5FD1470SA	14.70	90	16	48	143
5FD1480SA	14.80	90	16	48	143
5FD1500SA	15.00	90	16	48	143
5FD1550SA	15.50	96	16	48	149
5FD1570SA	15.70	96	16	48	149
5FD1580SA	15.80	96	16	48	149
5FD1600SA	16.00	96	16	48	149

基准型订货号 Basic type Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
SA系列 (铝用无涂层) SA Series (No Coating for Aluminum)	dc	lc	ds	ls	lo
5FD1650SA	16.50	102	18	48	155
5FD1670SA	16.70	102	18	48	155
5FD1680SA	16.80	102	18	48	155
5FD1700SA	17.00	102	18	48	155
5FD1750SA	17.50	108	18	48	161
5FD1770SA	17.70	108	18	48	161
5FD1780SA	17.80	108	18	48	161
5FD1800SA	18.00	108	18	48	161
5FD1850SA	18.50	114	20	50	169
5FD1860SA	18.60	114	20	50	169
5FD1870SA	18.70	114	20	50	169
5FD1880SA	18.80	114	20	50	169
5FD1900SA	19.00	114	20	50	169
5FD1950SA	19.50	120	20	50	175
5FD1970SA	19.70	120	20	50	175
5FD1980SA	19.80	120	20	50	175
5FD2000SA	20.00	120	20	50	175

备注 Note: 被加工材料选择基准 (⊙ 最适合 ○ 适合) Selection Chart (⊙ Most Suitable ○ Suitable)

系列 Series	被切削材料 Work Material													
	结构钢 Structural Steel	碳素钢 Carbon Steel	合金钢 Alloy Steel	预硬化钢 Pre-Hardened Steel	调质钢、模具钢、高硬度钢 Hardened Steel				不锈钢 Stainless Steel	钛合金、 耐热合金 Titanium Alloys, Nickel Alloys	铸铁 Cast Irons	铝合金 Aluminum Alloys	铜合金 Copper Alloys	树脂 Plastic
5FD-SA					HRC30-45	HRC45-55	HRC55-60	>HRC60				⊙	○	

● FD 内冷整体硬质合金铝用直槽钻头 5×D 基准型 FD Solid Carbide Straight Flute Drill With Internal Coolant For Aluminum 5×D Basic Type



刀具特点说明:

1. 刀具尺寸按本公司标准制造, 接受非标定制。
2. 刃径公差为m7, 柄部公差为h6。
3. 刀尖顶角, 刀尖形式及排屑槽均针对各系列的加工特点分别设计, 确保最优的加工效果。

Features:

1. All dimension is fixed by our norm and also accept non standard order.
2. Tolerance of dc m7; tolerance of ds h6.
3. To achieve the best performance, special design for point angel, point geometry, flute type and coating etc..

单位: mm

基准型订货号 Basic type Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
SA系列 (铝用无涂层) SA Series (No Coating for Aluminum)	dc	lc	ds	ls	lo
O5FD0300SA	3.00	24	4	28	57
O5FD0330SA	3.30	24	4	28	57
O5FD0340SA	3.40	24	4	28	57
O5FD0350SA	3.50	24	4	28	57
O5FD0360SA	3.60	24	4	28	57
O5FD0365SA	3.65	24	4	28	57
O5FD0370SA	3.70	24	4	28	57
O5FD0375SA	3.75	24	4	28	57
O5FD0380SA	3.80	24	4	28	57
O5FD0400SA	4.00	24	4	28	57
O5FD0420SA	4.20	30	6	36	71
O5FD0450SA	4.50	30	6	36	71
O5FD0460SA	4.60	30	6	36	71
O5FD0470SA	4.70	30	6	36	71
O5FD0480SA	4.80	30	6	36	71
O5FD0500SA	5.00	30	6	36	71
O5FD0510SA	5.10	36	6	36	77
O5FD0530SA	5.30	36	6	36	77
O5FD0550SA	5.50	36	6	36	77
O5FD0560SA	5.60	36	6	36	77
O5FD0570SA	5.70	36	6	36	77
O5FD0580SA	5.80	36	6	36	77
O5FD0600SA	6.00	36	6	36	77
O5FD0650SA	6.50	42	8	36	83
O5FD0660SA	6.60	42	8	36	83

基准型订货号 Basic type Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
SA系列 (铝用无涂层) SA Series (No Coating for Aluminum)	dc	lc	ds	ls	lo
O5FD0670SA	6.70	42	8	36	83
O5FD0680SA	6.80	42	8	36	83
O5FD0690SA	6.90	42	8	36	83
O5FD0700SA	7.00	42	8	36	83
O5FD0730SA	7.30	48	8	36	89
O5FD0740SA	7.40	48	8	36	89
O5FD0750SA	7.50	48	8	36	89
O5FD0770SA	7.70	48	8	36	89
O5FD0780SA	7.80	48	8	36	89
O5FD0800SA	8.00	48	8	36	89
O5FD0850SA	8.50	54	10	40	99
O5FD0870SA	8.70	54	10	40	99
O5FD0880SA	8.80	54	10	40	99
O5FD0900SA	9.00	54	10	40	99
O5FD0930SA	9.30	60	10	40	105
O5FD0950SA	9.50	60	10	40	105
O5FD0960SA	9.60	60	10	40	105
O5FD0970SA	9.70	60	10	40	105
O5FD0980SA	9.80	60	10	40	105
O5FD1000SA	10.00	60	10	40	105
O5FD1020SA	10.20	66	12	45	116
O5FD1050SA	10.50	66	12	45	116
O5FD1070SA	10.70	66	12	45	116
O5FD1080SA	10.80	66	12	45	116
O5FD1100SA	11.00	66	12	45	116
O5FD1120SA	11.20	72	12	45	122
O5FD1150SA	11.50	72	12	45	122
O5FD1170SA	11.70	72	12	45	122
O5FD1180SA	11.80	72	12	45	122
O5FD1200SA	12.00	72	12	45	122
O5FD1250SA	12.50	78	14	45	128
O5FD1270SA	12.70	78	14	45	128
O5FD1280SA	12.80	78	14	45	128
O5FD1300SA	13.00	78	14	45	128
O5FD1350SA	13.50	84	14	45	134
O5FD1370SA	13.70	84	14	45	134
O5FD1380SA	13.80	84	14	45	134
O5FD1400SA	14.00	84	14	45	134
O5FD1450SA	14.50	90	16	48	143
O5FD1470SA	14.70	90	16	48	143
O5FD1480SA	14.80	90	16	48	143
O5FD1500SA	15.00	90	16	48	143
O5FD1550SA	15.50	96	16	48	149
O5FD1570SA	15.70	96	16	48	149
O5FD1580SA	15.80	96	16	48	149
O5FD1600SA	16.00	96	16	48	149

基准型订货号 Basic type Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
SA系列 (铝用无涂层) SA Series (No Coating for Aluminum)	dc	lc	ds	ls	lo
O5FD1750SA	17.50	108	18	48	161
O5FD1770SA	17.70	108	18	48	161
O5FD1780SA	17.80	108	18	48	161
O5FD1800SA	18.00	108	18	48	161
O5FD1850SA	18.50	114	20	50	169
O5FD1860SA	18.60	114	20	50	169
O5FD1870SA	18.70	114	20	50	169
O5FD1880SA	18.80	114	20	50	169
O5FD1900SA	19.00	114	20	50	169
O5FD1950SA	19.50	120	20	50	175
O5FD1970SA	19.70	120	20	50	175
O5FD1980SA	19.80	120	20	50	175
O5FD2000SA	20.00	120	20	50	175
O5FD1650SA	16.50	102	18	48	155
O5FD1670SA	16.70	102	18	48	155
O5FD1680SA	16.80	102	18	48	155
O5FD1700SA	17.00	102	18	48	155

备注 Note: 被加工材料选择基准 (◎ 最适合 ○ 适合) Selection Chart (◎ Most Suitable ○ Suitable)

系列 Series	被切削材料 Work Material													
	结构钢 Structural Steel	碳素钢 Carbon Steel	合金钢 Alloy Steel	预硬化钢 Pre-Hardened Steel	调质钢、模具钢、高硬度钢 Hardened Steel				不锈钢 Stainless Steel	钛合金、耐热合金 Titanium Alloys, Nickel Alloys	铸铁 Cast Irons	铝合金 Aluminum Alloys	铜合金 Copper Alloys	树脂 Plastic
					HRC30-45	HRC45-55	HRC55-80	>HRC80						
O5FD-SA												◎	○	

● FD 整体硬质合金铸铁用直槽钻头 3×D 高性能型 FD Solid Carbide Straight Flute Drill For Aluminum 5xD High-performance Type



刀具特点说明:

1. 刀具尺寸按本公司标准制造, 接受非标定制。
2. 刃径公差为m7, 柄部公差为h6。
3. 刀尖顶角, 刀尖形式及排屑槽均针对各系列的加工特点分别设计, 确保最优的加工效果。

Features:

1. All dimension is fixed by our norm and also accept non standard order.
2. Tolerance of dc m7; tolerance of ds h6.
3. To achieve the best performance, special design for point angel, point geometry, flute type and coating etc..

单位: mm

高性能型订货号 High-performance type Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
SE系列 (铸铁用有涂层) SK Series (Coating for Cast Irons)	dc	lc	ds	ls	lo
3FD0300SE	3.00	16	4	28	49
3FD0330SE	3.30	16	4	28	49
3FD0340SE	3.40	16	4	28	49
3FD0350SE	3.50	16	4	28	49
3FD0360SE	3.60	16	4	28	49
3FD0365SE	3.65	16	4	28	49
3FD0370SE	3.70	16	4	28	49
3FD0375SE	3.75	16	4	28	49
3FD0380SE	3.80	16	4	28	49
3FD0400SE	4.00	16	4	28	49
3FD0420SE	4.20	20	6	36	61
3FD0450SE	4.50	20	6	36	61
3FD0460SE	4.60	20	6	36	61
3FD0470SE	4.70	20	6	36	61
3FD0480SE	4.80	20	6	36	61
3FD0500SE	5.00	20	6	36	61
3FD0510SE	5.10	24	6	36	65
3FD0530SE	5.30	24	6	36	65
3FD0550SE	5.50	24	6	36	65
3FD0560SE	5.60	24	6	36	65
3FD0570SE	5.70	24	6	36	65
3FD0580SE	5.80	24	6	36	65
3FD0600SE	6.00	24	6	36	65
3FD0650SE	6.50	28	8	36	69
3FD0660SE	6.60	28	8	36	69

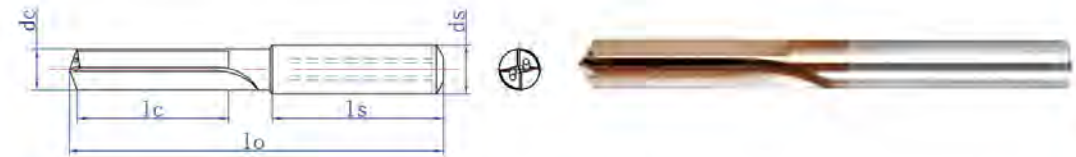
高性能型订货号 High-performance type Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
SE系列 (铸铁用有涂层) SK Series (Coating for Cast Irons)	dc	lc	ds	ls	lo
3FD0670SE	6.70	28	8	36	69
3FD0680SE	6.80	28	8	36	69
3FD0690SE	6.90	28	8	36	69
3FD0700SE	7.00	28	8	36	69
3FD0730SE	7.30	32	8	36	73
3FD0740SE	7.40	32	8	36	73
3FD0750SE	7.50	32	8	36	73
3FD0770SE	7.70	32	8	36	73
3FD0780SE	7.80	32	8	36	73
3FD0800SE	8.00	32	8	36	73
3FD0850SE	8.50	36	10	40	81
3FD0870SE	8.70	36	10	40	81
3FD0880SE	8.80	36	10	40	81
3FD0900SE	9.00	36	10	40	81
3FD0930SE	9.30	40	10	40	85
3FD0950SE	9.50	40	10	40	85
3FD0960SE	9.60	40	10	40	85
3FD0970SE	9.70	40	10	40	85
3FD0980SE	9.80	40	10	40	85
3FD1000SE	10.00	40	10	40	85
3FD1020SE	10.20	44	12	45	94
3FD1050SE	10.50	44	12	45	94
3FD1070SE	10.70	44	12	45	94
3FD1080SE	10.80	44	12	45	94
3FD1100SE	11.00	44	12	45	94
3FD1120SE	11.20	48	12	45	98
3FD1150SE	11.50	48	12	45	98
3FD1170SE	11.70	48	12	45	98
3FD1180SE	11.80	48	12	45	98
3FD1200SE	12.00	48	12	45	98
3FD1250SE	12.50	52	14	45	102
3FD1270SE	12.70	52	14	45	102
3FD1280SE	12.80	52	14	45	102
3FD1300SE	13.00	52	14	45	102
3FD1350SE	13.50	56	14	45	106
3FD1370SE	13.70	56	14	45	106
3FD1380SE	13.80	56	14	45	106
3FD1400SE	14.00	56	14	45	106
3FD1450SE	14.50	80	16	48	113
3FD1470SE	14.70	60	16	48	113
3FD1480SE	14.80	60	16	48	113
3FD1500SE	15.00	60	16	48	113
3FD1550SE	15.50	64	16	48	117
3FD1570SE	15.70	64	16	48	117
3FD1580SE	15.80	64	16	48	117
3FD1600SE	16.00	64	16	48	117

高性能型订货号 High-performance type Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
SE系列 (铸铁用有涂层) SK Series (Coating for Cast Irons)	dc	lc	ds	ls	lo
3FD1750SE	17.50	72	18	48	125
3FD1770SE	17.70	72	18	48	125
3FD1780SE	17.80	72	18	48	125
3FD1800SE	18.00	72	18	48	125
3FD1850SE	18.50	76	20	50	131
3FD1860SE	18.60	76	20	50	131
3FD1870SE	18.70	76	20	50	131
3FD1880SE	18.80	76	20	50	131
3FD1900SE	19.00	76	20	50	131
3FD1950SE	19.50	80	20	50	135
3FD1970SE	19.70	80	20	50	135
3FD1980SE	19.80	80	20	50	135
3FD2000SE	20.00	80	20	50	135
3FD1650SE	16.50	68	18	48	121
3FD1670SE	16.70	68	18	48	121
3FD1680SE	16.80	68	18	48	121
3FD1700SE	17.00	68	18	48	121

备注 Note: 被加工材料选择基准 (◎ 最适合 □ 适合) Selection Chart (◎ Most Suitable □ Suitable)

系列 Series	被切削材料 Work Material													
	结构钢 Structural Steel	碳素钢 Carbon Steel	合金钢 Alloy Steel	预硬化钢 Pre-Hardened Steel	调质钢、模具钢、高硬度钢 Hardened Steel				不锈钢 Stainless Steel	钛合金、 耐热合金 Titanium Alloys, Nickel Alloys	铸铁 Cast Irons	铝合金 Aluminum Alloys	铜合金 Copper Alloys	树脂 Plastic
					HRC30 -45	HRC45 -55	HRC55 -60	>HRC60						
3FD-SE										◎				

● FD 内冷整体硬质合金铸铁用直槽钻头 3×D 高性能型 FD Solid Carbide Straight Flute Drill With Internal Coolant For Aluminum 3×D High-performance Type



刀具特点说明:

1. 刀具尺寸按本公司标准制造, 接受非标定制。
2. 刃径公差为m7, 柄部公差为h6。
3. 刀尖顶角、刀尖形式及排屑槽均针对各系列的加工特点分别设计, 确保最优的加工效果。

Features:

1. All dimension is fixed by our norm and also accept non standard order.
2. Tolerance of dc m7; tolerance of ds h6.
3. To achieve the best performance, special design for point angel, point geometry, flute type and coating etc..

单位: mm

高性能型订货号 High-performance type Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
SE系列 (铸铁用有涂层) SK Series (Coating for Cast Irons)	dc	lc	ds	ls	lo
O3FD0300SE	3.00	16	4	28	49
O3FD0330SE	3.30	16	4	28	49
O3FD0340SE	3.40	16	4	28	49
O3FD0350SE	3.50	16	4	28	49
O3FD0360SE	3.60	16	4	28	49
O3FD0365SE	3.65	16	4	28	49
O3FD0370SE	3.70	16	4	28	49
O3FD0375SE	3.75	16	4	28	49
O3FD0380SE	3.80	16	4	28	49
O3FD0400SE	4.00	16	4	28	49
O3FD0420SE	4.20	20	6	36	61
O3FD0450SE	4.50	20	6	36	61
O3FD0460SE	4.60	20	6	36	61
O3FD0470SE	4.70	20	6	36	61
O3FD0480SE	4.80	20	6	36	61
O3FD0500SE	5.00	20	6	36	61
O3FD0510SE	5.10	24	6	36	65
O3FD0530SE	5.30	24	6	36	65
O3FD0550SE	5.50	24	6	36	65
O3FD0560SE	5.60	24	6	36	65
O3FD0570SE	5.70	24	6	36	65
O3FD0580SE	5.80	24	6	36	65
O3FD0600SE	6.00	24	6	36	65
O3FD0650SE	6.50	28	8	36	69
O3FD0660SE	6.60	28	8	36	69

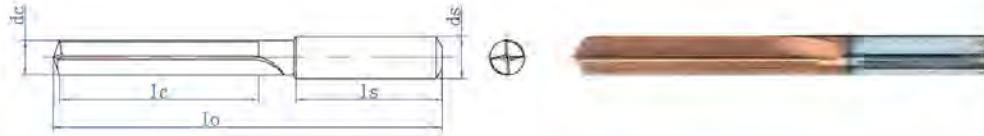
高性能型订货号 High-performance type Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
SE系列 (铸铁用有涂层) SK Series (Coating for Cast Irons)	dc	lc	ds	ls	lo
O3FD0670SE	6.70	28	8	36	69
O3FD0680SE	6.80	28	8	36	69
O3FD0690SE	6.90	28	8	36	69
O3FD0700SE	7.00	28	8	36	69
O3FD0730SE	7.30	32	8	36	73
O3FD0740SE	7.40	32	8	36	73
O3FD0750SE	7.50	32	8	36	73
O3FD0770SE	7.70	32	8	36	73
O3FD0780SE	7.80	32	8	36	73
O3FD0800SE	8.00	32	8	36	73
O3FD0850SE	8.50	36	10	40	81
O3FD0870SE	8.70	36	10	40	81
O3FD0880SE	8.80	36	10	40	81
O3FD0900SE	9.00	36	10	40	81
O3FD0930SE	9.30	40	10	40	85
O3FD0950SE	9.50	40	10	40	85
O3FD0960SE	9.60	40	10	40	85
O3FD0970SE	9.70	40	10	40	85
O3FD0980SE	9.80	40	10	40	85
O3FD1000SE	10.00	40	10	40	85
O3FD1020SE	10.20	44	12	45	94
O3FD1050SE	10.50	44	12	45	94
O3FD1070SE	10.70	44	12	45	94
O3FD1080SE	10.80	44	12	45	94
O3FD1100SE	11.00	44	12	45	94
O3FD1120SE	11.20	48	12	45	98
O3FD1150SE	11.50	48	12	45	98
O3FD1170SE	11.70	48	12	45	98
O3FD1180SE	11.80	48	12	45	98
O3FD1200SE	12.00	48	12	45	98
O3FD1250SE	12.50	52	14	45	102
O3FD1270SE	12.70	52	14	45	102
O3FD1280SE	12.80	52	14	45	102
O3FD1300SE	13.00	52	14	45	102
O3FD1350SE	13.50	56	14	45	106
O3FD1370SE	13.70	56	14	45	106
O3FD1380SE	13.80	56	14	45	106
O3FD1400SE	14.00	56	14	45	106
O3FD1450SE	14.50	60	16	48	113
O3FD1470SE	14.70	60	16	48	113
O3FD1480SE	14.80	60	16	48	113
O3FD1500SE	15.00	60	16	48	113
O3FD1550SE	15.50	64	16	48	117
O3FD1570SE	15.70	64	16	48	117
O3FD1580SE	15.80	64	16	48	117
O3FD1600SE	16.00	64	16	48	117

高性能型订货号 High-performance type Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
SE系列 (铸铁用有涂层) SK Series (Coating for Cast Irons)	dc	lc	ds	ls	lo
O3FD1750SE	17.50	72	18	48	125
O3FD1770SE	17.70	72	18	48	125
O3FD1780SE	17.80	72	18	48	125
O3FD1800SE	18.00	72	18	48	125
O3FD1850SE	18.50	76	20	50	131
O3FD1860SE	18.60	76	20	50	131
O3FD1870SE	18.70	76	20	50	131
O3FD1880SE	18.80	76	20	50	131
O3FD1900SE	19.00	76	20	50	131
O3FD1950SE	19.50	80	20	50	135
O3FD1970SE	19.70	80	20	50	135
O3FD1980SE	19.80	80	20	50	135
O3FD2000SE	20.00	80	20	50	135
O3FD1650SE	16.50	68	18	48	121
O3FD1670SE	16.70	68	18	48	121
O3FD1680SE	16.80	68	18	48	121
O3FD1700SE	17.00	68	18	48	121

备注 Note: 被加工材料选择基准 (◎ 最适合 ○ 适合) Selection Chart (◎ Most Suitable ○ Suitable)

系列 Series	被切削材料 Work Material													
	结构钢 Structural Steel	碳素钢 Carbon Steel	合金钢 Alloy Steel	预硬化钢 Pre-Hardened Steel	调质钢、模具钢、高硬度钢 Hardened Steel				不锈钢 Stainless Steel	钛合金、 耐热合金 Titanium Alloys, Nickel Alloys	铸铁 Cast Irons	铝合金 Aluminum Alloys	铜合金 Copper Alloys	树脂 Plastic
O3FD-SE					HRC30-45	HRC45-55	HRC55-60	>HRC80			◎			

● FD 整体硬质合金铸铁用直槽钻头 5×D 高性能型 FD Solid Carbide Straight Flute Drill For Aluminum 5xD High-performance Type



刀具特点说明:

1. 刀具尺寸按本公司标准制造, 接受非标定制。
2. 刃径公差为m7, 柄部公差为h6。
3. 刀尖顶角、刀尖形式及排屑槽均针对各系列的加工特点分别设计, 确保最优的加工效果。

Features:

1. All dimension is fixed by our norm and also accept non standard order.
2. Tolerance of dc m7; tolerance of ds h6.
3. To achieve the best performance, special design for point angel, point geometry, flute type and coating etc..

单位: mm

高性能型订货号 High-performance type Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
SE系列 (铸铁用有涂层) SK Series (Coating for Cast Irons)	dc	lc	ds	ls	lo
5FD0300SE	3.00	24	4	28	57
5FD0330SE	3.30	24	4	28	57
5FD0340SE	3.40	24	4	28	57
5FD0350SE	3.50	24	4	28	57
5FD0360SE	3.60	24	4	28	57
5FD0365SE	3.65	24	4	28	57
5FD0370SE	3.70	24	4	28	57
5FD0375SE	3.75	24	4	28	57
5FD0380SE	3.80	24	4	28	57
5FD0400SE	4.00	24	4	28	57
5FD0420SE	4.20	30	6	36	71
5FD0450SE	4.50	30	6	36	71
5FD0460SE	4.60	30	6	36	71
5FD0470SE	4.70	30	6	36	71
5FD0480SE	4.80	30	6	36	71
5FD0500SE	5.00	30	6	36	71
5FD0510SE	5.10	36	6	36	77
5FD0530SE	5.30	36	6	36	77
5FD0550SE	5.50	36	6	36	77
5FD0560SE	5.60	36	6	36	77
5FD0570SE	5.70	36	6	36	77
5FD0580SE	5.80	36	6	36	77
5FD0800SE	6.00	36	6	36	77
5FD0650SE	6.50	42	8	36	83
5FD0660SE	6.60	42	8	36	83

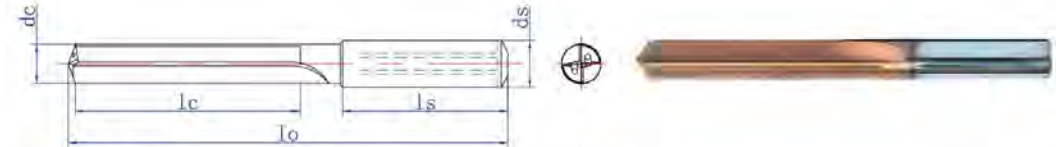
高性能型订货号 High-performance type Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
SE系列 (铸铁用有涂层) SK Series (Coating for Cast Irons)	dc	lc	ds	ls	lo
5FD0670SE	6.70	42	8	36	83
5FD0680SE	6.80	42	8	36	83
5FD0690SE	6.90	42	8	36	83
5FD0700SE	7.00	42	8	36	83
5FD0730SE	7.30	48	8	36	89
5FD0740SE	7.40	48	8	36	89
5FD0750SE	7.50	48	8	36	89
5FD0770SE	7.70	48	8	36	89
5FD0780SE	7.80	48	8	36	89
5FD0800SE	8.00	48	8	36	89
5FD0850SE	8.50	54	10	40	99
5FD0870SE	8.70	54	10	40	99
5FD0880SE	8.80	54	10	40	99
5FD0900SE	9.00	54	10	40	99
5FD0930SE	9.30	60	10	40	105
5FD0950SE	9.50	60	10	40	105
5FD0960SE	9.60	60	10	40	105
5FD0970SE	9.70	60	10	40	105
5FD0980SE	9.80	60	10	40	105
5FD1000SE	10.00	60	10	40	105
5FD1020SE	10.20	66	12	45	116
5FD1050SE	10.50	66	12	45	116
5FD1070SE	10.70	66	12	45	116
5FD1080SE	10.80	66	12	45	116
5FD1100SE	11.00	66	12	45	116
5FD1120SE	11.20	72	12	45	122
5FD1150SE	11.50	72	12	45	122
5FD1170SE	11.70	72	12	45	122
5FD1180SE	11.80	72	12	45	122
5FD1200SE	12.00	72	12	45	122
5FD1250SE	12.50	78	14	45	128
5FD1270SE	12.70	78	14	45	128
5FD1280SE	12.80	78	14	45	128
5FD1300SE	13.00	78	14	45	128
5FD1350SE	13.50	84	14	45	134
5FD1370SE	13.70	84	14	45	134
5FD1380SE	13.80	84	14	45	134
5FD1400SE	14.00	84	14	45	134
5FD1450SE	14.50	90	16	48	143
5FD1470SE	14.70	90	16	48	143
5FD1480SE	14.80	90	16	48	143
5FD1500SE	15.00	90	16	48	143
5FD1550SE	15.50	96	16	48	149
5FD1570SE	15.70	96	16	48	149
5FD1580SE	15.80	96	16	48	149
5FD1600SE	16.00	96	16	48	149

高性能型订货号 High-performance type Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
SE系列 (铸铁用有涂层) SK Series (Coating for Cast Irons)	dc	lc	ds	ls	lo
5FD1650SE	16.50	102	18	48	155
5FD1670SE	16.70	102	18	48	155
5FD1680SE	16.80	102	18	48	155
5FD1700SE	17.00	102	18	48	155
5FD1750SE	17.50	108	18	48	161
5FD1770SE	17.70	108	18	48	161
5FD1780SE	17.80	108	18	48	161
5FD1800SE	18.00	108	18	48	161
5FD1850SE	18.50	114	20	50	169
5FD1860SE	18.60	114	20	50	169
5FD1870SE	18.70	114	20	50	169
5FD1880SE	18.80	114	20	50	169
5FD1900SE	19.00	114	20	50	169
5FD1950SE	19.50	120	20	50	175
5FD1970SE	19.70	120	20	50	175
5FD1980SE	19.80	120	20	50	175
5FD2000SE	20.00	120	20	50	175

备注 Note: 被加工材料选择基准 (⊙ 最适合 ○ 适合) Selection Chart (⊙ Most Suitable ○ Suitable)

系列 Series	被切削材料 Work Material													
	结构钢 Structural Steel	碳素钢 Carbon Steel	合金钢 Alloy Steel	预硬化钢 Pre-Hardened Steel	调质钢、模具钢、高硬度钢 Hardened Steel				不锈钢 Stainless Steel	钛合金、 耐热合金 Titanium Alloys, Nickel Alloys	铸铁 Cast Irons	铝合金 Aluminum Alloys	铜合金 Copper Alloys	树脂 Plastic
5FD-SE					HRC30-45	HRC45-55	HRC55-60	>HRC60			⊙			

● FD 内冷整体硬质合金铸铁用直槽钻头 5×D 高性能型 FD Solid Carbide Straight Flute Drill With Internal Coolant For Aluminum 5×D High-performance Type



刀具特点说明:

1. 刀具尺寸按本公司标准制造, 接受非标定制。
2. 刃径公差为m7, 柄部公差为h6。
3. 刀尖顶角、刀尖形式及排屑槽均针对各系列的加工特点分别设计, 确保最优的加工效果。

Features:

1. All dimension is fixed by our norm and also accept non standard order.
2. Tolerance of dc m7; tolerance of ds h6.
3. To achieve the best performance, special design for point angel, point geometry, flute type and coating etc..

单位: mm

高性能型订货号 High-performance type Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
SE系列 (铸铁用有涂层) SK Series (Coating for Cast Irons)	dc	lc	ds	ls	lo
O5FD0300SE	3.00	24	4	28	57
O5FD0330SE	3.30	24	4	28	57
O5FD0340SE	3.40	24	4	28	57
O5FD0350SE	3.50	24	4	28	57
O5FD0360SE	3.60	24	4	28	57
O5FD0365SE	3.65	24	4	28	57
O5FD0370SE	3.70	24	4	28	57
O5FD0375SE	3.75	24	4	28	57
O5FD0380SE	3.80	24	4	28	57
O5FD0400SE	4.00	24	4	28	57
O5FD0420SE	4.20	30	6	36	71
O5FD0450SE	4.50	30	6	36	71
O5FD0460SE	4.60	30	6	36	71
O5FD0470SE	4.70	30	6	36	71
O5FD0480SE	4.80	30	6	36	71
O5FD0500SE	5.00	30	6	36	71
O5FD0510SE	5.10	36	6	36	77
O5FD0530SE	5.30	36	6	36	77
O5FD0550SE	5.50	36	6	36	77
O5FD0560SE	5.60	36	6	36	77
O5FD0570SE	5.70	36	6	36	77
O5FD0580SE	5.80	36	6	36	77
O5FD0600SE	6.00	36	6	36	77
O5FD0650SE	6.50	42	8	36	83
O5FD0680SE	6.80	42	8	36	83

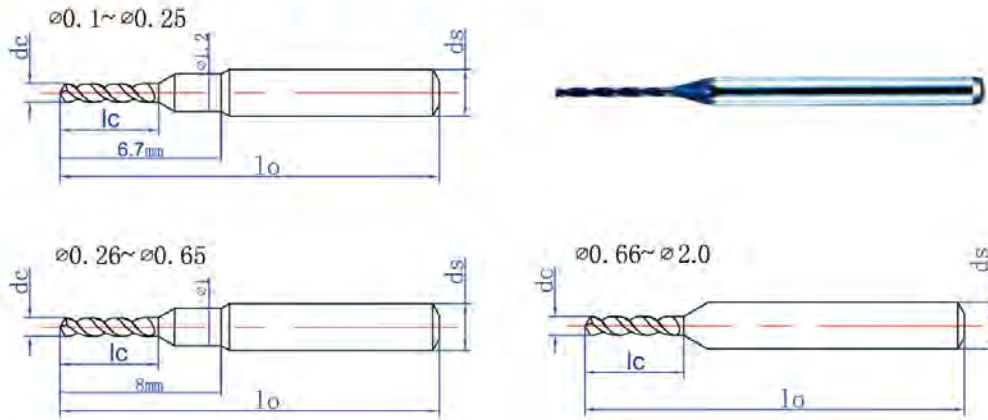
高性能型订货号 High-performance type Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
SE系列 (铸铁用有涂层) SK Series (Coating for Cast Irons)	dc	lc	ds	ls	lo
O5FD0670SE	6.70	42	8	36	83
O5FD0680SE	6.80	42	8	36	83
O5FD0690SE	6.90	42	8	36	83
O5FD0700SE	7.00	42	8	36	83
O5FD0730SE	7.30	48	8	36	89
O5FD0740SE	7.40	48	8	36	89
O5FD0750SE	7.50	48	8	36	89
O5FD0770SE	7.70	48	8	36	89
O5FD0780SE	7.80	48	8	36	89
O5FD0800SE	8.00	48	8	36	89
O5FD0850SE	8.50	54	10	40	99
O5FD0870SE	8.70	54	10	40	99
O5FD0880SE	8.80	54	10	40	99
O5FD0900SE	9.00	54	10	40	99
O5FD0930SE	9.30	60	10	40	105
O5FD0950SE	9.50	60	10	40	105
O5FD0960SE	9.60	60	10	40	105
O5FD0970SE	9.70	60	10	40	105
O5FD0980SE	9.80	60	10	40	105
O5FD1000SE	10.00	60	10	40	105
O5FD1020SE	10.20	66	12	45	116
O5FD1050SE	10.50	66	12	45	116
O5FD1070SE	10.70	66	12	45	116
O5FD1080SE	10.80	66	12	45	116
O5FD1100SE	11.00	66	12	45	116
O5FD1120SE	11.20	72	12	45	122
O5FD1150SE	11.50	72	12	45	122
O5FD1170SE	11.70	72	12	45	122
O5FD1180SE	11.80	72	12	45	122
O5FD1200SE	12.00	72	12	45	122
O5FD1250SE	12.50	78	14	45	128
O5FD1270SE	12.70	78	14	45	128
O5FD1280SE	12.80	78	14	45	128
O5FD1300SE	13.00	78	14	45	128
O5FD1350SE	13.50	84	14	45	134
O5FD1370SE	13.70	84	14	45	134
O5FD1380SE	13.80	84	14	45	134
O5FD1400SE	14.00	84	14	45	134
O5FD1450SE	14.50	90	16	48	143
O5FD1470SE	14.70	90	16	48	143
O5FD1480SE	14.80	90	16	48	143
O5FD1500SE	15.00	90	16	48	143
O5FD1550SE	15.50	96	16	48	149
O5FD1570SE	15.70	96	16	48	149
O5FD1580SE	15.80	96	16	48	149
O5FD1600SE	16.00	96	16	48	149

高性能型订货号 High-performance type Order No.	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
SE系列 (铸铁用有涂层) SK Series (Coating for Cast Irons)	dc	lc	ds	ls	lo
O5FD1650SE	16.50	102	18	48	155
O5FD1670SE	16.70	102	18	48	155
O5FD1680SE	16.80	102	18	48	155
O5FD1700SE	17.00	102	18	48	155
O5FD1750SE	17.50	108	18	48	161
O5FD1770SE	17.70	108	18	48	161
O5FD1780SE	17.80	108	18	48	161
O5FD1800SE	18.00	108	18	48	161
O5FD1850SE	18.50	114	20	50	169
O5FD1860SE	18.60	114	20	50	169
O5FD1870SE	18.70	114	20	50	169
O5FD1880SE	18.80	114	20	50	169
O5FD1900SE	19.00	114	20	50	169
O5FD1950SE	19.50	120	20	50	175
O5FD1970SE	19.70	120	20	50	175
O5FD1980SE	19.80	120	20	50	175
O5FD2000SE	20.00	120	20	50	175

备注 Note: 被加工材料选择基准 (◎ 最适合 ○ 适合) Selection Chart (◎ Most Suitable ○ Suitable)

系列 Series	被切削材料 Work Material													
	结构钢 Structural Steel	碳素钢 Carbon Steel	合金钢 Alloy Steel	预硬化钢 Pre-Hardened Steel	调质钢, 模具钢, 高硬度钢 Hardened Steel				不锈钢 Stainless Steel	钛合金、 耐热合金 Titanium Alloys, Nickel Alloys	铸铁 Cast Irons	铝合金 Aluminum Alloys	铜合金 Copper Alloys	树脂 Plastic
					HRC30-45	HRC45-55	HRC55-80	>HRC80						
O5FD-SE										◎				

● MD 整体硬质合金微孔钻头 MD Solid Carbide Micro Drill



刀具特点说明:

- 1、刀具尺寸按本公司标准制造，接受非标定制。
- 2、刃径公差为0~-0.01，柄部公差为0~-0.005。
- 3、刀尖顶角为150°，刀尖形式及排屑槽形式为特殊设计，定心效果好。

Features:

- 1、All dimension is fixed by our norm and also accept non standard order.
- 2、Tolerance of dc 0~-0.01; tolerance of ds 0~-0.005.
- 3、Point angle 150°; better centering ability because of point geometry and flute design.

单位: mm

MD订货号 (涂层) MD Type (Coating)	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	总长 Overall Length
	dc	lc	ds	lo
MD2010HTA	0.10	1.2	3	38
MD2011HTA	0.11	1.2	3	38
MD2012HTA	0.12	1.4	3	38
MD2013HTA	0.13	1.4	3	38
MD2014HTA	0.14	1.4	3	38
MD2015HTA	0.15	2.0	3	38
MD2016HTA	0.16	2.0	3	38
MD2017HTA	0.17	2.0	3	38
MD2018HTA	0.18	2.0	3	38
MD2019HTA	0.19	2.0	3	38
MD2020HTA	0.20	2.5	3	38
MD2021HTA	0.21	2.5	3	38
MD2022HTA	0.22	2.5	3	38
MD2023HTA	0.23	2.5	3	38
MD2024HTA	0.24	2.5	3	38
MD2025HTA	0.25	3.0	3	38
MD2026HTA	0.26	3.0	3	38
MD2027HTA	0.27	3.0	3	38

MD订货号 (涂层) MD Type (Coating)	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	总长 Overall Length
	dc	lc	ds	lo
MD2028HTA	0.28	3.0	3	38
MD2029HTA	0.29	3.0	3	38
MD2030HTA	0.30	5.0	3	38
MD2031HTA	0.31	5.0	3	38
MD2032HTA	0.32	5.0	3	38
MD2033HTA	0.33	5.0	3	38
MD2034HTA	0.34	5.0	3	38
MD2035HTA	0.35	6.0	3	38
MD2036HTA	0.36	6.0	3	38
MD2037HTA	0.37	6.0	3	38
MD2038HTA	0.38	6.0	3	38
MD2039HTA	0.39	6.0	3	38
MD2040HTA	0.40	7.0	3	38
MD2041HTA	0.41	7.0	3	38
MD2042HTA	0.42	7.0	3	38
MD2043HTA	0.43	7.0	3	38
MD2044HTA	0.44	7.0	3	38
MD2045HTA	0.45	7.0	3	38
MD2046HTA	0.46	7.0	3	38
MD2047HTA	0.47	7.0	3	38
MD2048HTA	0.48	7.0	3	38
MD2049HTA	0.49	7.0	3	38
MD2050HTA	0.50	7.0	3	38
MD2051HTA	0.51	7.0	3	38
MD2052HTA	0.52	7.0	3	38
MD2053HTA	0.53	7.0	3	38
MD2054HTA	0.54	7.0	3	38
MD2055HTA	0.55	7.0	3	38
MD2056HTA	0.56	7.0	3	38
MD2057HTA	0.57	7.0	3	38
MD2058HTA	0.58	7.0	3	38
MD2059HTA	0.59	7.0	3	38
MD2060HTA	0.60	7.0	3	38
MD2061HTA	0.61	7.0	3	38
MD2062HTA	0.62	7.0	3	38
MD2063HTA	0.63	7.0	3	38
MD2064HTA	0.64	7.0	3	38
MD2065HTA	0.65	7.0	3	38
MD2066HTA	0.66	7.0	3	38
MD2067HTA	0.67	7.0	3	38
MD2068HTA	0.68	7.0	3	38
MD2069HTA	0.69	7.0	3	38
MD2070HTA	0.70	8.0	3	38
MD2071HTA	0.71	8.0	3	38
MD2072HTA	0.72	8.0	3	38
MD2073HTA	0.73	8.0	3	38
MD2074HTA	0.74	8.0	3	38

MD订货号 (涂层) MD Type (Coating)	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	总长 Overall Length
	dc	lc	ds	lo
MD2075HTA	0.75	8.0	3	38
MD2076HTA	0.76	8.0	3	38
MD2077HTA	0.77	8.0	3	38
MD2078HTA	0.78	8.0	3	38
MD2079HTA	0.79	8.0	3	38
MD2080HTA	0.80	10.0	3	38
MD2081HTA	0.81	10.0	3	38
MD2082HTA	0.82	10.0	3	38
MD2083HTA	0.83	10.0	3	38
MD2084HTA	0.84	10.0	3	38
MD2085HTA	0.85	10.0	3	38
MD2086HTA	0.86	10.0	3	38
MD2087HTA	0.87	10.0	3	38
MD2088HTA	0.88	10.0	3	38
MD2089HTA	0.89	10.0	3	38
MD2090HTA	0.90	10.0	3	38
MD2091HTA	0.91	10.0	3	38
MD2092HTA	0.92	10.0	3	38
MD2093HTA	0.93	10.0	3	38
MD2094HTA	0.94	10.0	3	38
MD2095HTA	0.95	10.0	3	38
MD2096HTA	0.96	10.0	3	38
MD2097HTA	0.97	10.0	3	38
MD2098HTA	0.98	10.0	3	38
MD2099HTA	0.99	10.0	3	38
MD2100HTA	1.00	10.0	3	38
MD2101HTA	1.01	10.0	3	38
MD2102HTA	1.02	10.0	3	38
MD2103HTA	1.03	10.0	3	38
MD2104HTA	1.04	10.0	3	38
MD2105HTA	1.05	10.0	3	38
MD2106HTA	1.06	10.0	3	38
MD2107HTA	1.07	10.0	3	38
MD2108HTA	1.08	10.0	3	38
MD2109HTA	1.09	10.0	3	38
MD2110HTA	1.10	10.0	3	38
MD2111HTA	1.11	10.0	3	38
MD2112HTA	1.12	10.0	3	38
MD2113HTA	1.13	10.0	3	38
MD2114HTA	1.14	10.0	3	38
MD2115HTA	1.15	10.0	3	38
MD2116HTA	1.16	10.0	3	38
MD2117HTA	1.17	10.0	3	38
MD2118HTA	1.18	10.0	3	38
MD2119HTA	1.19	10.0	3	38
MD2120HTA	1.20	10.0	3	38
MD2121HTA	1.21	10.0	3	38

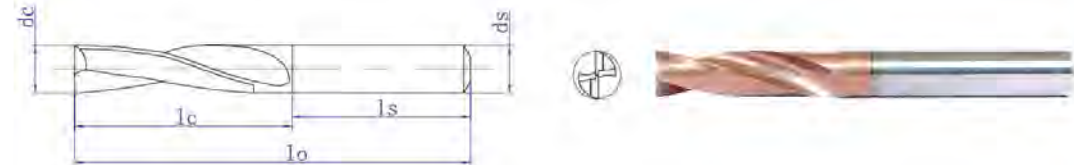
MD订货号 (涂层) MD Type (Coating)	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	总长 Overall Length
	dc	lc	ds	lo
MD2122HTA	1.22	10.0	3	38
MD2123HTA	1.23	10.0	3	38
MD2124HTA	1.24	10.0	3	38
MD2125HTA	1.25	10.0	3	38
MD2126HTA	1.26	10.0	3	38
MD2127HTA	1.27	10.0	3	38
MD2128HTA	1.28	10.0	3	38
MD2129HTA	1.29	10.0	3	38
MD2130HTA	1.30	10.0	3	38
MD2131HTA	1.31	10.0	3	38
MD2132HTA	1.32	10.0	3	38
MD2133HTA	1.33	10.0	3	38
MD2134HTA	1.34	10.0	3	38
MD2135HTA	1.35	10.0	3	38
MD2136HTA	1.36	10.0	3	38
MD2137HTA	1.37	10.0	3	38
MD2138HTA	1.38	10.0	3	38
MD2139HTA	1.39	10.0	3	38
MD2140HTA	1.40	10.0	3	38
MD2141HTA	1.41	10.0	3	38
MD2142HTA	1.42	10.0	3	38
MD2143HTA	1.43	10.0	3	38
MD2144HTA	1.44	10.0	3	38
MD2145HTA	1.45	10.0	3	38
MD2146HTA	1.46	10.0	3	38
MD2147HTA	1.47	10.0	3	38
MD2148HTA	1.48	10.0	3	38
MD2149HTA	1.49	10.0	3	38
MD2150HTA	1.50	10.0	3	38
MD2151HTA	1.51	10.0	3	38
MD2152HTA	1.52	10.0	3	38
MD2153HTA	1.53	10.0	3	38
MD2154HTA	1.54	10.0	3	38
MD2155HTA	1.55	10.0	3	38
MD2156HTA	1.56	10.0	3	38
MD2157HTA	1.57	10.0	3	38
MD2158HTA	1.58	10.0	3	38
MD2159HTA	1.59	10.0	3	38
MD2160HTA	1.60	12.0	3	38
MD2161HTA	1.61	12.0	3	38
MD2162HTA	1.62	12.0	3	38
MD2163HTA	1.63	12.0	3	38
MD2164HTA	1.64	12.0	3	38
MD2165HTA	1.65	12.0	3	38
MD2166HTA	1.66	12.0	3	38
MD2167HTA	1.67	12.0	3	38
MD2168HTA	1.68	12.0	3	38

MD订货号 (涂层) MD Type (Coating)	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	总长 Overall Length
	dc	lc	ds	lo
MD2169HTA	1.69	12.0	3	38
MD2170HTA	1.70	12.0	3	38
MD2171HTA	1.71	12.0	3	38
MD2172HTA	1.72	12.0	3	38
MD2173HTA	1.73	12.0	3	38
MD2174HTA	1.74	12.0	3	38
MD2175HTA	1.75	12.0	3	38
MD2176HTA	1.76	12.0	3	38
MD2177HTA	1.77	12.0	3	38
MD2178HTA	1.78	12.0	3	38
MD2179HTA	1.79	12.0	3	38
MD2180HTA	1.80	12.0	3	38
MD2181HTA	1.81	12.0	3	38
MD2182HTA	1.82	12.0	3	38
MD2183HTA	1.83	12.0	3	38
MD2184HTA	1.84	12.0	3	38
MD2185HTA	1.85	12.0	3	38
MD2186HTA	1.86	12.0	3	38
MD2187HTA	1.87	12.0	3	38
MD2188HTA	1.88	12.0	3	38
MD2189HTA	1.89	12.0	3	38
MD2190HTA	1.90	12.0	3	38
MD2191HTA	1.91	12.0	3	38
MD2192HTA	1.92	12.0	3	38
MD2193HTA	1.93	12.0	3	38
MD2194HTA	1.94	12.0	3	38
MD2195HTA	1.95	12.0	3	38
MD2196HTA	1.96	12.0	3	38
MD2197HTA	1.97	12.0	3	38
MD2198HTA	1.98	12.0	3	38
MD2199HTA	1.99	12.0	3	38
MD2200HTA	2.00	12.0	3	38

备注 Note: 被加工材料选择基准 (☉ 最适合 ○ 适合) Selection Chart (☉ Most Suitable ○ Suitable)

系列 Series	被切削材料 Work Material													
	结构钢 Structural Steel	碳素钢 Carbon Steel	合金钢 Alloy Steel	预硬化钢 Pre-Hardened Steel	调质钢、模具钢、高硬度钢 Hardened Steel				不锈钢 Stainless Steel	钛合金、 耐热合金 Titanium Alloys, Nickel Alloys	铸铁 Cast Irons	铝合金 Aluminum Alloys	铜合金 Copper Alloys	树脂 Plastic
					HRC30-45	HRC45-55	HRC55-80	>HRC60						
MD-HTA	☉	☉	☉	☉	☉				☐	☐	☐	☉	☐	☐

● FSD 整体硬质合金平底钻头 FSD Solid Carbide Drill With Flat Bottom



刀具特点说明:

1. 刀具尺寸按本公司标准制造, 接受非标定制。
2. 刃径公差为m7, 柄部公差为h6。
3. 刀尖顶角为180°, 刀尖形式及排屑槽形式为特殊设计, 定心效果好, 排屑通畅, 在斜面钻孔、圆弧面钻孔、薄板钻孔和抑制出口毛刺等方面都有很到的表现。

Features:

1. All dimension is fixed by our norm and also accept non standard order.
2. Tolerance of dc m7; tolerance of ds h6.
3. Point angle 180°; better centering ability, chip evacuation smoothly because of point geometry and flute design suitable for machining inclined hole, drilling on ball surface and thin sheet, restraining the burr also.

单位: mm

基准型订货号 (涂层) Basic Tapy Order No. (Coating)	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
	dc	lf	ds	ls	lo
FSD0300SE	3.00	16	4	28	49
FSD0330SE	3.30	16	4	28	49
FSD0340SE	3.40	16	4	28	49
FSD0350SE	3.50	16	4	28	49
FSD0360SE	3.60	16	4	28	49
FSD0365SE	3.65	16	4	28	49
FSD0370SE	3.70	16	4	28	49
FSD0375SE	3.75	16	4	28	49
FSD0380SE	3.80	16	4	28	49
FSD0400SE	4.00	16	4	28	49
FSD0420SE	4.20	20	6	36	61
FSD0450SE	4.50	20	6	36	61
FSD0460SE	4.60	20	6	36	61
FSD0470SE	4.70	20	6	36	61
FSD0480SE	4.80	20	6	36	61
FSD0500SE	5.00	20	6	36	61
FSD0510SE	5.10	24	6	36	65
FSD0530SE	5.30	24	6	36	65
FSD0550SE	5.50	24	6	36	65
FSD0560SE	5.60	24	6	36	65
FSD0570SE	5.70	24	6	36	65
FSD0580SE	5.80	24	6	36	65

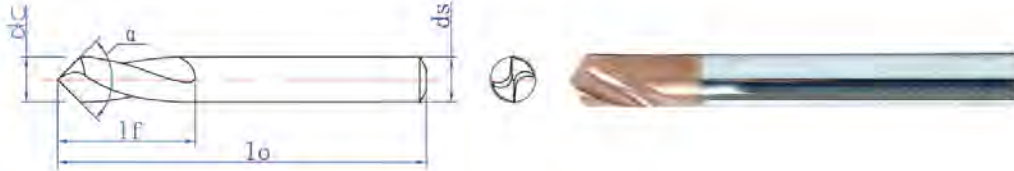
基准型订货号 (涂层) Basic Tapy Order No. (Coating)	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
	dc	lf	ds	ls	lo
FSD0600SE	6.00	24	6	36	65
FSD0650SE	6.50	28	8	36	69
FSD0660SE	6.60	28	8	36	69
FSD0670SE	6.70	28	8	36	69
FSD0680SE	6.80	28	8	36	69
FSD0690SE	6.90	28	8	36	69
FSD0700SE	7.00	28	8	36	69
FSD0730SE	7.30	32	8	36	73
FSD0740SE	7.40	32	8	36	73
FSD0750SE	7.50	32	8	36	73
FSD0770SE	7.70	32	8	36	73
FSD0780SE	7.80	32	8	36	73
FSD0800SE	8.00	32	8	36	73
FSD0850SE	8.50	36	10	40	81
FSD0870SE	8.70	36	10	40	81
FSD0880SE	8.80	36	10	40	81
FSD0900SE	9.00	36	10	40	81
FSD0930SE	9.30	40	10	40	85
FSD0950SE	9.50	40	10	40	85
FSD0960SE	9.60	40	10	40	85
FSD0970SE	9.70	40	10	40	85
FSD0980SE	9.80	40	10	40	85
FSD1000SE	10.00	40	10	40	85
FSD1020SE	10.20	44	12	45	94
FSD1050SE	10.50	44	12	45	94
FSD1070SE	10.70	44	12	45	94
FSD1080SE	10.80	44	12	45	94
FSD1100SE	11.00	44	12	45	94
FSD1120SE	11.20	48	12	45	98
FSD1150SE	11.50	48	12	45	98
FSD1170SE	11.70	48	12	45	98
FSD1180SE	11.80	48	12	45	98
FSD1200SE	12.00	48	12	45	98
FSD1250SE	12.50	52	14	45	102
FSD1270SE	12.70	52	14	45	102
FSD1280SE	12.80	52	14	45	102
FSD1300SE	13.00	52	14	45	102
FSD1350SE	13.50	56	14	45	106
FSD1370SE	13.70	56	14	45	106
FSD1380SE	13.80	56	14	45	106
FSD1400SE	14.00	56	14	45	106
FSD1450SE	14.50	60	16	48	113
FSD1470SE	14.70	60	16	48	113
FSD1480SE	14.80	60	16	48	113
FSD1500SE	15.00	60	16	48	113
FSD1550SE	15.50	64	16	48	117
FSD1570SE	15.70	64	16	48	117

基准型订货号 (涂层) Basic Tapy Order No. (Coating)	刃径 Cutting Edge Diameter	槽长 Flute Length	柄径 Shank Diameter	柄长 Shank Length	总长 Overall Length
	dc	lf	ds	ls	lo
FSD1580SE	15.80	64	16	48	117
FSD1600SE	16.00	64	16	48	117
FSD1650SE	16.50	68	18	48	121
FSD1670SE	16.70	68	18	48	121
FSD1680SE	16.80	68	18	48	121
FSD1700SE	17.00	68	18	48	121
FSD1750SE	17.50	72	18	48	125
FSD1770SE	17.70	72	18	48	125
FSD1780SE	17.80	72	18	48	125
FSD1800SE	18.00	72	18	48	125
FSD1850SE	18.50	76	20	50	131
FSD1860SE	18.60	76	20	50	131
FSD1870SE	18.70	76	20	50	131
FSD1880SE	18.80	76	20	50	131
FSD1900SE	19.00	76	20	50	131
FSD1950SE	19.50	80	20	50	135
FSD1970SE	19.70	80	20	50	135
FSD1980SE	19.80	80	20	50	135
FSD2000SE	20.00	80	20	50	135

备注 Note: 被加工材料选择基准 (◎ 最适合 ○ 适合) Selection Chart (◎ Most Suitable ○ Suitable)

系列 Series	被切削材料 Work Material													
	结构钢 Structural Steel	碳素钢 Carbon Steel	合金钢 Alloy Steel	预硬钢 Pre-Hardened Steel	调质钢、模具钢、高强度钢 Hardened Steel				不锈钢 Stainless Steel	钛合金、 耐热合金 Titanium Alloys, Nickel Alloys	铸铁 Cast Irons	铝合金 Aluminum Alloys	铜合金 Copper Alloys	树脂 Plastic
					HRC30-45	HRC45-55	HRC55-60	>HRC60						
FSD-SE	◎	◎	◎	◎	◎	○			○	○	○	○	○	

● CD 整体硬质合金定点钻 CD Solid Carbide NC Spot Drill



刀具特点说明:

1. 刀具尺寸按本公司标准制造, 接受非标定制。
2. 刃径公差为m7, 柄部公差为h6。
3. 刀尖顶角有60°、90°、120°三种角度, 刀尖形式及排屑槽形式为特殊设计, 有良好的定心效果。

Features:

1. All dimension is fixed by our norm and also accept non standard order.
2. Tolerance of dc m7; tolerance of ds h6.
3. Point angle 60°, 90°, 120°; better centering ability because of point geometry and flute design.

单位: mm

基准型订货号 (涂层) Basic Tapy Order No. (Coating)	刃径 Cutting Edge Diameter	槽长 Flute Length	顶角 Point Angle	柄径 Shank Diameter	总长 Overall Length
	dc	lf	α	ds	lo
CD06006066SE	6	12	60°	6	66
CD06008080SE	8	16	60°	8	80
CD06010090SE	10	20	60°	10	90
CD06012100SE	12	24	60°	12	100
CD06016115SE	16	32	60°	16	115
CD06020135SE	20	40	60°	20	135
CD09006066SE	6	12	90°	6	66
CD09006100SE	6	12	90°	6	100
CD09008080SE	8	16	90°	8	80
CD09008120SE	8	16	90°	8	120
CD09010090SE	10	20	90°	10	90
CD09010135SE	10	20	90°	10	135
CD09012100SE	12	24	90°	12	100
CD09012150SE	12	24	90°	12	150
CD09016115SE	16	32	90°	16	115
CD09016163SE	16	32	90°	16	163
CD09020135SE	20	40	90°	20	135
CD09020200SE	20	40	90°	20	200
CD12006066SE	6	12	120°	6	66
CD12008080SE	8	16	120°	8	80
CD12010090SE	10	20	120°	10	90
CD12012100SE	12	24	120°	12	100
CD12016115SE	16	32	120°	16	115
CD12020135SE	20	40	120°	20	135
CD14006066SE	6	12	140°	6	66
CD14008080SE	8	16	140°	8	80

基准型订货号 (涂层) Basic Tapy Order No. (Coating)	刃径 Cutting Edge Diameter	槽长 Flute Length	顶角 Point Angle	柄径 Shank Diameter	总长 Overall Length
	dc	lf	α	ds	lo
CD14010090SE	10	20	140°	10	90
CD14012100SE	12	24	140°	12	100
CD14016115SE	16	32	140°	16	115
CD14020135SE	20	40	140°	20	135

备注 Note: 被加工材料选择基准 (◎ 最适合 ○ 适合) Selection Chart (◎ Most Suitable ○ Suitable)

系列 Series	被切削材料 Work Material													
	结构钢 Structural Steel	碳素钢 Carbon Steel	合金钢 Alloy Steel	预硬化钢 Pre-Hardened Steel	调质钢、模具钢、高硬度钢 Hardened Steel				不锈钢 Stainless Steel	钛合金、耐热合金 Titanium Alloys, Nickel Alloys	铸铁 Cast Irons	铝合金 Aluminum Alloys	铜合金 Copper Alloys	树脂 Plastic
					HRC30-45	HRC45-55	HRC55-60	>HRC60						
CD-SE	◎	◎	◎	◎	◎	○			○	○	○		○	