



CÔNG TY TNHH TM DV SX DAI CHI  
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Description of insert model  
刀片型号说明



- 10材料（粉末高速钢）用于普通钢和铸铁的钻削
- 15材料（高性能粉末高速钢）用于高强度材料的钻削，如高镍合金
- 25材料（顶级性能粉末高速钢）用于难加工材料的钻削，如高温合金
- 10 materials (powder high speed steel) for drilling ordinary steel and cast iron.
- 15 materials (High performance powder high speed steel) for drilling high strength materials, such as high-nickel alloys.
- 25 materials (Top level performance powder high speed steel) for drilling difficult-to-machine material, such as high temperature alloy.

涂层 Coating	订货号 Number of order	涂层材料 Coating material
C100	XX-X-XXXX-XXXT	TiN
C300	XX-X-XXXX-XXXA	TiAlN
C500	XX-X-XXXX-XXXH	专用的Special

S P - Y - I 0750 - 10 X A

S	P	Y			I	0750	10	X	A
大类 Big type	小类 Small type	接口代码 Connector code			公英制 Metric and Imperial	刀片直径 Insert diameter	材料 Material	几何 Geometry	涂层 Coat
S-铲钻 Spade drill	P-刀片 Insert	接口 Connector	公制 Metric	英制 Imperia	I-英制 imperia M-公制 Metric	0750-3/4" 0750-75mm	10-粉末高速钢 Powder HSS 15-高性能粉末 高速钢 High- performance powder HSS 25-顶级性能粉 末高速钢 Top-level powder HSS 50-硬质合金 Carbide	X-标准几何 X-Standard geometry W-多刃几何 S-Multi-edges geometry H-阶梯刃几何 H-Step-edges geometry P-平底几何 P-Flat-base geometry	H-C500 A-C300 T-C100
		Y	9.5~11.0	3/8"~27/64"					
		Z	11.5~12.5	7/16"~1/2"					
		0	13~17.5	33/64"~11/16"					
		1	18~24	45/64"~15/16"					
		2	25~35	31/32"~1-3/8"					
		3	36~47	1-13/32"~1-7/8"					
		4	48~65	1-29/32"~2-9/16"					
		5	64~76	2-1/2"~3"					
6	77~89	3-1/32"~3-1/2"							
7	90~100	3-17/32"~4"							
8	102~114	4-1/64"~4-1/2"							

**断屑槽**  
Chip breaker

- 折断切削、易于排屑
- 减小钻削扭矩

**固定螺丝孔**  
Fix screw holes

- 安全可靠的装夹
- 确保钻削过程中的稳定性
- Safe and reliable clamping
- Ensure the stability during drilling

**定位槽**  
Location groove

- 保证径向的精度
- Ensure the accuracy of the radial direction

**分屑槽**  
Chip dividing groove

- 减小切削宽度
- 易于排屑
- 减小钻削扭矩
- reduce cutting width
- Better chip removal
- Reduce drilling torque

**倒角**  
Countersink

- 增加刀片的强度
- 减少外圆的磨损
- 提高工件表面光洁度
- Increase the strength of insert
- Reduce the wear & tear of outer diameter
- Improve the smoothness on the surface of workpiece

**钻芯**  
Core drilling

- 钻芯薄与一般钻头产品相比降低20%的轴向阻力
- 良好的自定心
- Thinner core drilling, which reduce 20% axial resistance compared with normal drilling products.
- Better self-centering

**XR型横刃修磨**  
XR chisel edge regrinding

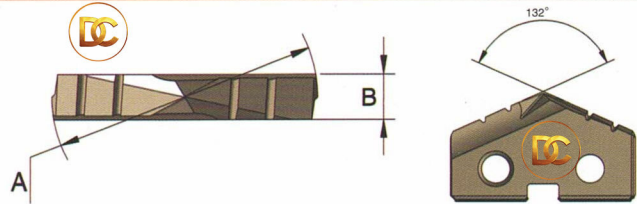
- 提高刃口强度
- 增强稳定性
- Improve the strength of cutting edges
- Increase the stability

**两个后刀面**  
Two back flank surface

- 减少与工件的摩擦
- 良好的自定心
- 降低轴向阻力
- Reduce the friction with the workpiece
- Better self-centering
- Reduce the axial resistance



Insert table parameters (Metric)  
 刀片参数 (公制)

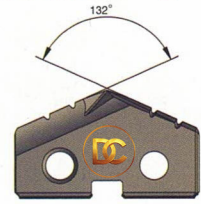
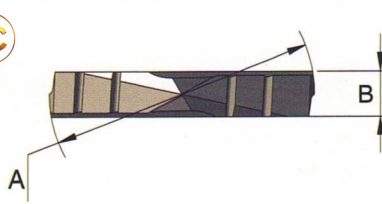


接口 Connector	A直径 Diameter (mm)	B厚度 Thickness (mm/inch)	10 (粉末高速钢) 10 (Powder HSS)	15 (高性能粉末高速钢) 15 (High-performance powder HSS)	25 (顶级性能粉末高速钢) 25 (Top-level powder HSS)	50 (硬质合金) 50 (Carbide)
规格区间 (mm)			型号 Type	型号 Type	型号 Type	型号 Type
Y 9.5 to 11	9.50	2.38 (3/32")	--	--	SP-Y-M0095-25X*	--
	9.80		--	--	SP-Y-M0098-25X*	--
	10.00		--	--	SP-Y-M0100-25X*	--
	10.20		--	--	SP-Y-M0102-25X*	--
	10.50		--	--	SP-Y-M0105-25X*	--
	10.80		--	--	SP-Y-M0108-25X*	--
	11.00		--	--	SP-Y-M0110-25X*	--
Z 11.5 to 12.5	11.50	2.38 (3/32")	--	--	SP-Z-M0115-25X*	--
	12.00		--	--	SP-Z-M0120-25X*	--
	12.50		--	--	SP-Z-M0125-25X*	--
0 13 to 17.5	13.00	3.18 (1/8")	--	--	SP-0-M0130-25X*	SP-0-M0130-50X*
	13.50		--	--	SP-0-M0135-25X*	SP-0-M0135-50X*
	14.00		--	--	SP-0-M0140-25X*	SP-0-M0140-50X*
	14.50		--	--	SP-0-M0145-25X*	SP-0-M0145-50X*
	15.00		--	--	SP-0-M0150-25X*	SP-0-M0150-50X*
	15.50		--	--	SP-0-M0155-25X*	SP-0-M0155-50X*
	16.00		--	--	SP-0-M0160-25X*	SP-0-M0160-50X*
	16.50		--	--	SP-0-M0165-25X*	SP-0-M0165-50X*
	17.00		--	--	SP-0-M0170-25X*	SP-0-M0170-50X*
	17.50		--	--	SP-0-M0175-25X*	SP-0-M0175-50X*
1 18 to 24	18.00	3.97 (5/32")	SP-1-M0180-10X*	SP-1-M0180-15X*	SP-1-M0180-25X*	SP-1-M0180-50X*
	18.50		SP-1-M0185-10X*	SP-1-M0185-15X*	SP-1-M0185-25X*	SP-1-M0185-50X*
	19.00		SP-1-M0190-10X*	SP-1-M0190-15X*	SP-1-M0190-25X*	SP-1-M0190-50X*
	19.50		SP-1-M0195-10X*	SP-1-M0195-15X*	SP-1-M0195-25X*	SP-1-M0195-50X*
	20.00		SP-1-M0200-10X*	SP-1-M0200-15X*	SP-1-M0200-25X*	SP-1-M0200-50X*
	20.50		SP-1-M0205-10X*	SP-1-M0205-15X*	SP-1-M0205-25X*	SP-1-M0205-50X*
	21.00		SP-1-M0210-10X*	SP-1-M0210-15X*	SP-1-M0210-25X*	SP-1-M0210-50X*
	22.00		SP-1-M0220-10X*	SP-1-M0220-15X*	SP-1-M0220-25X*	SP-1-M0220-50X*
	23.00		SP-1-M0230-10X*	SP-1-M0230-15X*	SP-1-M0230-25X*	SP-1-M0230-50X*
	24.00		SP-1-M0240-10X*	SP-1-M0240-15X*	SP-1-M0240-25X*	SP-1-M0240-50X*
2 25 to 35	25.00	4.76 (3/16")	SP-2-M0250-10X*	SP-2-M0250-15X*	SP-2-M0250-25X*	SP-2-M0250-50X*
	26.00		SP-2-M0260-10X*	SP-2-M0260-15X*	SP-2-M0260-25X*	SP-2-M0260-50X*
	27.00		SP-2-M0270-10X*	SP-2-M0270-15X*	SP-2-M0270-25X*	SP-2-M0270-50X*
	28.00		SP-2-M0280-10X*	SP-2-M0280-15X*	SP-2-M0280-25X*	SP-2-M0280-50X*
	29.00		SP-2-M0290-10X*	SP-2-M0290-15X*	SP-2-M0290-25X*	SP-2-M0290-50X*
	30.00		SP-2-M0300-10X*	SP-2-M0300-15X*	SP-2-M0300-25X*	SP-2-M0300-50X*
	31.00		SP-2-M0310-10X*	SP-2-M0310-15X*	SP-2-M0310-25X*	SP-2-M0310-50X*
	32.00		SP-2-M0320-10X*	SP-2-M0320-15X*	SP-2-M0320-25X*	SP-2-M0320-50X*
	33.00		SP-2-M0330-10X*	SP-2-M0330-15X*	SP-2-M0330-25X*	SP-2-M0330-50X*
	34.00		SP-2-M0340-10X*	SP-2-M0340-15X*	SP-2-M0340-25X*	SP-2-M0340-50X*
3 36 to 47	35.00	6.35 (1/4")	SP-2-M0350-10X*	SP-2-M0350-15X*	SP-2-M0350-25X*	SP-2-M0350-50X*
	36.00		SP-3-M0360-10X*	SP-3-M0360-15X*	SP-3-M0360-25X*	--
	37.00		SP-3-M0370-10X*	SP-3-M0370-15X*	SP-3-M0370-25X*	--
	38.00		SP-3-M0380-10X*	SP-3-M0380-15X*	SP-3-M0380-25X*	--
	39.00		SP-3-M0390-10X*	SP-3-M0390-15X*	SP-3-M0390-25X*	--
	40.00		SP-3-M0400-10X*	SP-3-M0400-15X*	SP-3-M0400-25X*	--
	41.00		SP-3-M0410-10X*	SP-3-M0410-15X*	SP-3-M0410-25X*	--
	42.00		SP-3-M0420-10X*	SP-3-M0420-15X*	SP-3-M0420-25X*	--
	43.00		SP-3-M0430-10X*	SP-3-M0430-15X*	SP-3-M0430-25X*	--
	44.00		SP-3-M0440-10X*	SP-3-M0440-15X*	SP-3-M0440-25X*	--
	45.00		SP-3-M0450-10X*	SP-3-M0450-15X*	SP-3-M0450-25X*	--
	46.00		SP-3-M0460-10X*	SP-3-M0460-15X*	SP-3-M0460-25X*	--
	47.00		SP-3-M0470-10X*	SP-3-M0470-15X*	SP-3-M0470-25X*	--

\* 涂层代码, 型号后面加涂层代码 C100=T C300=A C500=H



Insert table parameters (Metric)  
刀片参数 (公制)



接口 Connector	A直径 Diameter (mm)	B厚度 Thickness (mm/ inch)	10 (粉末高速钢) 10 (Powder HSS)	15 (高性能粉末高速钢) 15 (High-performance powder HSS)	25 (顶级性能粉末高速钢) 25 (Top-level powder HSS)
规格区间 (mm)			型号 Type	型号 Type	型号 Type
4 48 to 65	48.00	7.94 (5/16")	SP-4-M0480-10X*	SP-4-M0480-15X*	SP-4-M0480-25X*
	49.00		SP-4-M0490-10X*	SP-4-M0490-15X*	SP-4-M0490-25X*
	50.00		SP-4-M0500-10X*	SP-4-M0500-15X*	SP-4-M0500-25X*
	51.00		SP-4-M0510-10X*	SP-4-M0510-15X*	SP-4-M0510-25X*
	52.00		SP-4-M0520-10X*	SP-4-M0520-15X*	SP-4-M0520-25X*
	53.00		SP-4-M0530-10X*	SP-4-M0530-15X*	SP-4-M0530-25X*
	54.00		SP-4-M0540-10X*	SP-4-M0540-15X*	SP-4-M0540-25X*
	55.00		SP-4-M0550-10X*	SP-4-M0550-15X*	SP-4-M0550-25X*
	56.00		SP-4-M0560-10X*	SP-4-M0560-15X*	SP-4-M0560-25X*
	57.00		SP-4-M0570-10X*	SP-4-M0570-15X*	SP-4-M0570-25X*
	58.00		SP-4-M0580-10X*	SP-4-M0580-15X*	SP-4-M0580-25X*
	59.00		SP-4-M0590-10X*	SP-4-M0590-15X*	SP-4-M0590-25X*
	60.00		SP-4-M0600-10X*	SP-4-M0600-15X*	SP-4-M0600-25X*
	61.00		SP-4-M0610-10X*	SP-4-M0610-15X*	SP-4-M0610-25X*
	62.00		SP-4-M0620-10X*	SP-4-M0620-15X*	SP-4-M0620-25X*
	63.00		SP-4-M0630-10X*	SP-4-M0630-15X*	SP-4-M0630-25X*
64.00	SP-4-M0640-10X*	SP-4-M0640-15X*	SP-4-M0640-25X*		
65.00	SP-4-M0650-10X*	SP-4-M0650-15X*	SP-4-M0650-25X*		
5 64 to 77	64.00	11.11 (7/16")	SP-5-M0640-10X*	SP-5-M0640-15X*	--
	66.00		SP-5-M0660-10X*	SP-5-M0660-15X*	--
	68.00		SP-5-M0680-10X*	SP-5-M0680-15X*	--
	70.00		SP-5-M0700-10X*	SP-5-M0700-15X*	--
	72.00		SP-5-M0720-10X*	SP-5-M0720-15X*	--
	74.00		SP-5-M0740-10X*	SP-5-M0740-15X*	--
	76.00		SP-5-M0760-10X*	SP-5-M0760-15X*	--
6 78 to 89	77.00	11.11 (7/16")	SP-5-M0770-10X*	SP-5-M0770-15X*	--
	78.00		SP-6-M0780-10X*	SP-6-M0780-15X*	--
	80.00		SP-6-M0800-10X*	SP-6-M0800-15X*	--
	82.00		SP-6-M0820-10X*	SP-6-M0820-15X*	--
	84.00		SP-6-M0840-10X*	SP-6-M0840-15X*	--
	86.00		SP-6-M0860-10X*	SP-6-M0860-15X*	--
7 90 to 100	88.00	11.11 (7/16")	SP-6-M0880-10X*	SP-6-M0880-15X*	--
	89.00		SP-6-M0890-10X*	SP-6-M0890-15X*	--
	90.00		SP-7-M0900-10X*	SP-7-M0900-15X*	--
	92.00		SP-7-M0920-10X*	SP-7-M0920-15X*	--
	94.00		SP-7-M0940-10X*	SP-7-M0940-15X*	--
	96.00		SP-7-M0960-10X*	SP-7-M0960-15X*	--
8 102 to 144	98.00	11.11 (7/16")	SP-7-M0980-10X*	SP-7-M0980-15X*	--
	100.00		SP-7-M1000-10X*	SP-7-M1000-15X*	--
	102.00		SP-8-M1020-10X*	SP-8-M1020-15X*	--
	104.00		SP-8-M1040-10X*	SP-8-M1040-15X*	--
	106.00		SP-8-M1060-10X*	SP-8-M1060-15X*	--
	108.00		SP-8-M1080-10X*	SP-8-M1080-15X*	--
110.00	SP-8-M1100-10X*	SP-8-M1100-15X*	--		
112.00	SP-8-M1120-10X*	SP-8-M1120-15X*	--		
114.00	SP-8-M1140-10X*	SP-8-M1140-15X*	--		

\* 涂层代码, 型号后面加涂层代码 C100=T C300=A C500=H

材料对应涂层的种类表

涂层Coating	涂层代码Coating code	10材料 10 Material	15材料 15 Material	25材料 25 Material
C100	T	■	■	■
C300	A	■	■	■
C500	H	■	■	■