

益詮切削刀具

ECHAINTOOL Cutting Tools



ECHAIN®

鎢鋼鑽頭系列

CARBIDE END DRILL SERIES



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Branch offices are located at Guangdong, Tainjin, Chongqing and Wuhan.

鎢鋼鑽頭識別系統

Carbide Drill Identification System

M E C 2 0600 S 03 D4

1 2 3 4 5 6 7 8

- 1 材質 Grade 2 尖端角 Point Angle 3 油孔 Oil Hole 4 刃數 Flute 5 切削直徑 Cutting Diameter
- 6 刀尖形狀 Drill Tip Shape 7 加工倍數 Processing Multiple 8 其他 Other

1 材質 Grade

記號 Symbol	材質 Grade
E	E300
G	G300
M	M500
P	P550
W	W500

2 尖端角 Point Angle

記號 Symbol	尖端角 Point Angle	記號 Symbol	尖端角 Point Angle
A	118°	F	142°
B	120°	G	145°
C	130°	H	150°
D	135°	I	180°
E	140°		

5 切削直徑

Cutting Diameter

說明 Explanation
ex: 0220 : 2.2mm 2225 : 22.25mm

6 刀尖形狀 Drill Tip Shape

記號 Symbol	說明 Explanation
S 型	一般通用 General
X 型	深孔及較硬材用 For Deep Holes And Harder Materials
XS 型	深孔用 For Deep Holes

7 加工倍數

Processing Multiple

加工深度倍數 Processing Depth Multiple	02、03、04 05、08
深孔倍數 Deep Hole Multiple	10、12、15 20、25、30

8 其他 Other

記號 Symbol	說明 Explanation
A	同柄徑 (小數點) Decimal Point of Shank (Same Shank)
DXX	特殊柄徑 Special Shank Diameter
TXX	錐度 Taper
L1XXX	特殊刃長 Special Flute Length

規格圖標指南

Specification Icon Guide

圖標 Icon	說明 Explanation	圖標 Icon	說明 Explanation
	超微粒子超硬合金 Micro Grain Carbide	 	AlTiN 鋁鈦氮塗層 TiSiN 矽鈦塗層
 	含鈷量 Cobalt Content	        	材 質 Grade
 	可被切削材硬度 Hardness Of Workpiece		
	刃徑公差 Tolerance Of Diameter		
	符合DIN6537規範 Conform To DIN6537 Specifications	  	加工深度倍數 Processing Depth Multiple

切削參數

Cutting Data

適用材質 Material  鋼 Steel  合金鋼 Alloy Steel  碳鋼 Carbon Steel  不鏽鋼 Stainless steel  鑄鐵 Cast iron

直徑 (mm) Shank	 鋼 Steel		 合金鋼、碳鋼 Alloy Steel、Carbon Steel		 不鏽鋼 Stainless Steel	
	進給速度 f (mm/rev)	轉速 n (min)	進給速度 f (mm/rev)	轉速 n (min)	進給速度 f (mm/rev)	轉速 n (min)
2	0.06	6300	0.06	6300	0.04	4800
3	0.08	4200	0.08	4200	0.07	3200
4	0.1	3200	0.1	3200	0.07	2400
5	0.14	2600	0.14	2600	0.1	1900
6	0.15	2100	0.15	2100	0.1	1600
7	0.16	1800	0.16	1800	0.12	1400
8	0.18	1600	0.18	1600	0.14	1200
9	0.2	1400	0.2	1400	0.14	1100
10	0.2	1300	0.2	1300	0.14	950
11	0.2	1150	0.2	1150	0.18	870
12	0.2	1100	0.2	1100	0.18	800
14	0.2	900	0.2	900	0.18	680
16	0.2	800	0.2	800	0.18	600
20	0.2	650	0.2	650	0.18	480



規格圖標指南

Specification Icon Guide / 切削參數 Cutting Data



ME 20 系列

鎢鋼鑽頭

Carbide Drill

圓棒採用含鈷量12%超微粒硬質合金，全新Al-TiN鍍鈦塗層，泛用性廣
可適用：**合金鋼** **不鏽鋼** **鑄鐵** 等材質加工

The carbide rod is made from a high-performance alloy containing 12% cobalt and ultrafine particles. It features a new Al-TiN titanium coating and offers broad applicability.

Suitable for machining materials such as

Alloy Steel

Stainless steel

Cast Iron



鑽尖結構優化設計，提升切削排屑性能。

The unique double-edged belt design enhances machining stability and extends tool life.

獨特雙刃帶設計，提升加工穩定性、延長加工使用時間。

Manufactured using a state-of-the-art imported five-axis cutter grinder, ensuring precise and consistent grinding dimensions.



高剛性、耐磨耗、耐高溫

High rigidity, Wear resistance,
High temperature resistance

尺寸齊全 歡迎詢問

Welcome to inquiry, a complete
range of specifications are in stock

採用全新進口五軸刀具研磨機生產
研磨尺寸精準且穩定

Produced by a brand-new imported five-axis
cutter grinder with precise and stable grinding
size.

適用材質 Material

合金鋼
Alloy Steel

不鏽鋼
Stainless steel

鑄鐵
Cast Iron

鎢鋼鑽頭系列 ME 20 series

Carbide Drill Series

適用材質 Material

合金鋼

Alloy Steel

不鏽鋼

Stainless steel

鑄鐵

Cast Iron

獨特雙刃帶設計，提升加工穩定性，延長加工使用時間

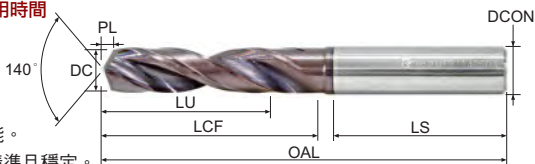
圓棒採用含鈷量12%超微粒硬質合金，高剛性、

耐磨耗、耐高溫，採用德國WALTER五軸機生產

全新AI-TIN鍍鈦塗層，泛用性廣

• 鑽尖夾角140°結構優化設計，提升切削排屑性能。

• 採用進口頂級精密多軸研磨機生產，研磨尺寸精準且穩定。



產品型號 Model No	切削直徑 Diameter of Cutting DC	排屑槽長度 Length Of Cutting Flute LCF	頂端至肩部尺寸差 Length Of Tool Head PL	柄部直徑 Shank DCON	可使用長度 Effective Length LU	刀柄長度 Length Of Shank LS	全長 Total Length OAL
ME20150S05	1.5	12	0.3	4	9	28	58
ME20160S03	1.6	9	0.3	4	6	28	58
ME20180S03	1.8	9	0.3	4	6	28	58
ME20200S03	2	13	0.4	4	9	28	58
ME20200S05	2	18	0.4	4	14	28	58
ME20210S03	2.1	13	0.4	4	9	28	58
ME20210S05	2.1	18	0.4	4	14	28	58
ME20214S03	2.14	13	0.4	4	9	28	58
ME20218S03	2.18	13	0.4	4	9	28	58
ME20220S03	2.2	13	0.4	4	9	28	58
ME20220S05	2.2	18	0.4	4	14	28	58
ME20225S03	2.25	13	0.4	4	9	28	58
ME20230S03	2.3	13	0.4	4	9	28	58
ME20230S05	2.3	18	0.4	4	14	28	58
ME20240S03	2.4	17	0.4	4	12	28	58
ME20240S05	2.4	22	0.4	4	17	28	58
ME20245S03	2.45	17	0.4	4	12	28	58
ME20245S05	2.45	22	0.4	4	17	28	58
ME20250S03	2.5	17	0.5	4	12	28	58
ME20250S05	2.5	22	0.5	4	17	28	58
ME20255S03	2.55	17	0.5	4	12	28	58
ME20260S03	2.6	17	0.5	4	12	28	58
ME20260S05	2.6	22	0.5	4	17	28	58
ME20270S03	2.7	17	0.5	4	12	28	58
ME20270S05	2.7	22	0.5	4	17	28	58
ME20280S03	2.8	17	0.5	4	12	28	58
ME20280S05	2.8	22	0.5	4	17	28	58
ME20290S03	2.9	17	0.5	4	12	28	58
ME20290S05	2.9	22	0.5	4	17	28	58
ME20300S03D4	3	20	0.5	4	14	36	62
ME20300S03	3	20	0.5	6	14	36	62
ME20300S05D4	3	28	0.5	4	23	36	66
ME20300S05	3	28	0.5	6	23	36	66
ME20310S03D4	3.1	20	0.6	4	14	36	62
ME20310S03	3.1	20	0.6	6	14	36	62

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CARBIDE DRILL

CHAIN® ME 20

CHAIN®

CARBIDE DRILL



適用材質 Material

合金鋼
Alloy Steel不鏽鋼
Stainless steel鑄鐵
Cast iron

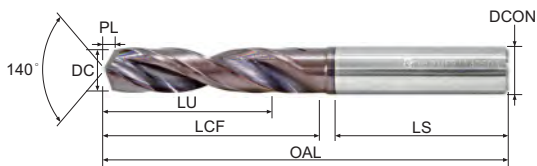
The unique double-edged belt design enhances processing stability and extends tool life.

The round bar is made of ultra-fine hard alloy with 12% cobalt content, offering high rigidity, excellent wear and heat resistance. It is manufactured using a German WALTER five-axis grinder and coated with a new Al-TiN titanium plating for broad versatility.

- The 140° optimized drill tip design improves chip evacuation performance.
- Produced with imported top precision multi-axis grinding machines, the grinding dimensions are accurate and stable.

產品型號 Model No	切削直徑 Diameter of Cutting DC	排屑槽長度 Length Of Cutting Flute LCF	頂端至肩部尺寸差 Length Of Tool Head PL	柄部直徑 Shank DCON	可使用長度 Effective Length LU	刀柄長度 Length Of Shank LS	全長 Total Length OAL
ME20310S05D4	3.1	28	0.6	4	23	36	66
ME20310S05	3.1	28	0.6	6	23	36	66
ME20320S03D4	3.2	20	0.6	4	14	36	62
ME20320S03	3.2	20	0.6	6	14	36	62
ME20320S05D4	3.2	28	0.6	4	23	36	66
ME20320S05	3.2	28	0.6	6	23	36	66
ME20325S03D4	3.25	20	0.6	4	14	36	62
ME20325S03	3.25	20	0.6	6	14	36	62
ME20330S03D4	3.3	20	0.6	4	14	36	62
ME20330S03	3.3	20	0.6	6	14	36	62
ME20330S05D4	3.3	28	0.6	4	23	36	66
ME20330S05	3.3	28	0.6	6	23	36	66
ME20340S03D4	3.4	20	0.6	4	14	36	62
ME20340S03	3.4	20	0.6	6	14	36	62
ME20340S05D4	3.4	28	0.6	4	23	36	66
ME20340S05	3.4	28	0.6	6	23	36	66
ME20350S03D4	3.5	20	0.6	4	14	36	62
ME20350S03	3.5	20	0.6	6	14	36	62
ME20350S05D4	3.5	28	0.6	4	23	36	66
ME20350S05	3.5	28	0.6	6	23	36	66
ME20355S03	3.55	20	0.6	6	14	36	62
ME20355S03D4	3.55	20	0.6	4	14	36	62
ME20360S03D4	3.6	20	0.7	4	14	36	62
ME20360S03	3.6	20	0.7	6	14	36	62
ME20360S05D4	3.6	28	0.7	4	23	36	66
ME20360S05	3.6	28	0.7	6	23	36	66
ME20365S03	3.65	20	0.7	6	14	36	62
ME20370S03D4	3.7	20	0.7	4	14	36	62
ME20370S03	3.7	20	0.7	6	14	36	62
ME20370S05D4	3.7	28	0.7	4	23	36	66
ME20370S05	3.7	28	0.7	6	23	36	66
ME20380S03D4	3.8	24	0.7	4	17	36	66
ME20380S03	3.8	24	0.7	6	17	36	66
ME20380S05D4	3.8	36	0.7	4	29	36	74
ME20380S05	3.8	36	0.7	6	29	36	74

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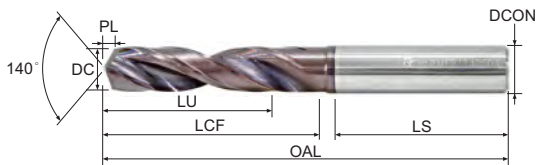


產品型號 Model No	切削直徑 Diameter Of Cutting DC	排屑槽長度 Length Of Cutting Flute LCF	頂端至肩部尺寸差 Length Of Tool Head PL	柄部直徑 Shank DCON	可使用長度 Effective Length LU	刀柄長度 Length Of Shank LS	全長 Total Length OAL
ME20390S03D4	3.9	24	0.7	4	17	36	66
ME20390S03	3.9	24	0.7	6	17	36	66
ME20390S05D4	3.9	36	0.7	4	29	36	74
ME20390S05	3.9	36	0.7	6	29	36	74
ME20400S03D4	4	24	0.7	4	17	36	66
ME20400S03	4	24	0.7	6	17	36	66
ME20400S05D4	4	36	0.7	4	29	36	74
ME20400S05	4	36	0.7	6	29	36	74
ME20410S03	4.1	24	0.7	6	17	36	66
ME20410S05	4.1	36	0.7	6	29	36	74
ME20420S03	4.2	24	0.8	6	17	36	66
ME20420S05	4.2	36	0.8	6	29	36	74
ME20430S03	4.3	24	0.8	6	17	36	66
ME20430S05	4.3	36	0.8	6	29	36	74
ME20440S03	4.4	24	0.8	6	17	36	66
ME20440S05	4.4	36	0.8	6	29	36	74
ME20450S03	4.5	24	0.8	6	17	36	66
ME20450S05	4.5	36	0.8	6	29	36	74
ME20455S03	4.55	24	0.8	6	17	36	66
ME20455S05	4.55	36	0.8	6	29	36	74
ME20460S03	4.6	24	0.8	6	17	36	66
ME20460S05	4.6	36	0.8	6	29	36	74
ME20470S03	4.7	24	0.9	6	17	36	66
ME20470S05	4.7	36	0.9	6	29	36	74
ME20480S03	4.8	28	0.9	6	20	36	66
ME20480S05	4.8	44	0.9	6	35	36	82
ME20490S03	4.9	28	0.9	6	20	36	66
ME20490S05	4.9	44	0.9	6	35	36	82
ME20500S03	5	28	0.9	6	20	36	66
ME20500S05	5	44	0.9	6	35	36	82
ME20510S03	5.1	28	0.9	6	20	36	66
ME20510S05	5.1	44	0.9	6	35	36	82
ME20520S03	5.2	28	0.9	6	20	36	66
ME20520S05	5.2	44	0.9	6	35	36	82
ME20530S03	5.3	28	1	6	20	36	66

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ME 20 series

適用材質 Material

合金鋼
Alloy Steel不鏽鋼
Stainless steel鑄鐵
Cast iron

產品型號 Model No	切削直徑 Diameter of Cutting DC	排屑槽長度 Length Of Cutting Flute LCF	頂端至肩部尺寸差 Length Of Tool Head PL	柄部直徑 Shank DCON	可使用長度 Effective Length LU	刀柄長度 Length Of Shank LS	全長 Total Length OAL
ME20530S05	5.3	44	1	6	35	36	82
ME20540S03	5.4	28	1	6	20	36	66
ME20540S05	5.4	44	1	6	35	36	82
ME20550S03	5.5	28	1	6	20	36	66
ME20550S05	5.5	44	1	6	35	36	82
ME20560S03	5.6	28	1	6	20	36	66
ME20560S05	5.6	44	1	6	35	36	82
ME20570S03	5.7	28	1	6	20	36	66
ME20570S05	5.7	44	1	6	35	36	82
ME20580S03	5.8	28	1.1	6	20	36	66
ME20580S05	5.8	44	1.1	6	35	36	82
ME20590S03	5.9	28	1.1	6	20	36	66
ME20590S05	5.9	44	1.1	6	35	36	82
ME20600S03	6	28	1.1	6	20	36	66
ME20600S05	6	44	1.1	6	35	36	82
ME20610S03	6.1	34	1.1	8	24	36	79
ME20610S05	6.1	53	1.1	8	43	36	91
ME20620S03	6.2	34	1.1	8	24	36	79
ME20620S05	6.2	53	1.1	8	43	36	91
ME20630S03	6.3	34	1.1	8	24	36	79
ME20630S05	6.3	53	1.1	8	43	36	91
ME20640S03	6.4	34	1.2	8	24	36	79
ME20640S05	6.4	53	1.2	8	43	36	91
ME20650S03	6.5	34	1.2	8	24	36	79
ME20650S05	6.5	53	1.2	8	43	36	91
ME20660S03	6.6	34	1.2	8	24	36	79
ME20660S05	6.6	53	1.2	8	43	36	91
ME20670S03	6.7	34	1.2	8	24	36	79
ME20670S05	6.7	53	1.2	8	43	36	91
ME20680S03	6.8	34	1.2	8	24	36	79
ME20680S05	6.8	53	1.2	8	43	36	91
ME20690S03	6.9	34	1.3	8	24	36	79
ME20690S05	6.9	53	1.3	8	43	36	91
ME20700S03	7	34	1.3	8	24	36	79
ME20700S05	7	53	1.3	8	43	36	91

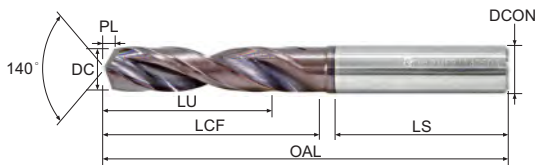
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產品型號 Model No	切削直徑 Diameter of Cutting DC	排屑槽長度 Length Of Cutting Flute LCF	頂端至肩部尺寸差 Length Of Tool Head PL	柄部直徑 Shank DCON	可使用長度 Effective Length LU	刀柄長度 Length Of Shank LS	全長 Total Length OAL
ME20710S03	7.1	41	1.3	8	29	36	79
ME20710S05	7.1	53	1.3	8	43	36	91
ME20720S03	7.2	41	1.3	8	29	36	79
ME20720S05	7.2	53	1.3	8	43	36	91
ME20730S03	7.3	41	1.3	8	29	36	79
ME20730S05	7.3	53	1.3	8	43	36	91
ME20740S03	7.4	41	1.3	8	29	36	79
ME20740S05	7.4	53	1.3	8	43	36	91
ME20750S03	7.5	41	1.4	8	29	36	79
ME20750S05	7.5	53	1.4	8	43	36	91
ME20760S03	7.6	41	1.4	8	29	36	79
ME20760S05	7.6	53	1.4	8	43	36	91
ME20770S03	7.7	41	1.4	8	29	36	79
ME20770S05	7.7	53	1.4	8	43	36	91
ME20780S03	7.8	41	1.4	8	29	36	79
ME20780S05	7.8	53	1.4	8	43	36	91
ME20790S03	7.9	41	1.4	8	29	36	79
ME20790S05	7.9	53	1.4	8	43	36	91
ME20800S03	8	41	1.5	8	29	36	79
ME20800S05	8	53	1.5	8	43	36	91
ME20810S03	8.1	47	1.5	10	35	40	89
ME20810S05	8.1	61	1.5	10	49	40	103
ME20820S03	8.2	47	1.5	10	35	40	89
ME20820S05	8.2	61	1.5	10	49	40	103
ME20830S03	8.3	47	1.5	10	35	40	89
ME20830S05	8.3	61	1.5	10	49	40	103
ME20840S03	8.4	47	1.5	10	35	40	89
ME20840S05	8.4	61	1.5	10	49	40	103
ME20850S03	8.5	47	1.5	10	35	40	89
ME20850S05	8.5	61	1.5	10	49	40	103
ME20860S03	8.6	47	1.6	10	35	40	89
ME20860S05	8.6	61	1.6	10	49	40	103
ME20870S03	8.7	47	1.6	10	35	40	89
ME20870S05	8.7	61	1.6	10	49	40	103
ME20880S03	8.8	47	1.6	10	35	40	89
ME20880S05	8.8	61	1.6	10	49	40	103
ME20890S03	8.9	47	1.6	10	35	40	89
ME20890S05	8.9	61	1.6	10	49	40	103
ME20900S03	9	47	1.6	10	35	40	89
ME20900S05	9	61	1.6	10	49	40	103
ME20910S03	9.1	47	1.7	10	35	40	89

※ 請接下頁。 ※ Continued on next page.

ME 20 series

適用材質 Material

合金鋼
Alloy Steel不鏽鋼
Stainless steel鑄鐵
Cast Iron

產品型號 Model No	切削直徑 Diameter of Cutting DC	排屑槽長度 Length Of Cutting Flute LCF	頂端至肩部尺寸差 Length Of Tool Head PL	柄部直徑 Shank DCON	可使用長度 Effective Length LU	刀柄長度 Length Of Shank LS	全長 Total Length OAL
ME20910S05	9.1	61	1.7	10	49	40	103
ME20920S03	9.2	47	1.7	10	35	40	89
ME20920S05	9.2	61	1.7	10	49	40	103
ME20930S03	9.3	47	1.7	10	35	40	89
ME20930S05	9.3	61	1.7	10	49	40	103
ME20940S03	9.4	47	1.7	10	35	40	89
ME20940S05	9.4	61	1.7	10	49	40	103
ME20950S03	9.5	47	1.7	10	35	40	89
ME20950S05	9.5	61	1.7	10	49	40	103
ME20960S03	9.6	47	1.7	10	35	40	89
ME20960S05	9.6	61	1.7	10	49	40	103
ME20970S03	9.7	47	1.8	10	35	40	89
ME20970S05	9.7	61	1.8	10	49	40	103
ME20980S03	9.8	47	1.8	10	35	40	89
ME20980S05	9.8	61	1.8	10	49	40	103
ME20990S03	9.9	47	1.8	10	35	40	89
ME20990S05	9.9	61	1.8	10	49	40	103
ME21000S03	10	47	1.8	10	35	40	89
ME21000S05	10	61	1.8	10	49	40	103
ME21010S03	10.1	55	1.8	12	40	45	102
ME21010S05	10.1	71	1.8	12	56	45	118
ME21020S03	10.2	55	1.9	12	40	45	102
ME21020S05	10.2	71	1.9	12	56	45	118
ME21030S03	10.3	55	1.9	12	40	45	102
ME21030S05	10.3	71	1.9	12	56	45	118
ME21040S03	10.4	55	1.9	12	40	45	102
ME21040S05	10.4	71	1.9	12	56	45	118
ME21050S03	10.5	55	1.9	12	40	45	102
ME21050S05	10.5	71	1.9	12	56	45	118
ME21060S03	10.6	55	1.9	12	40	45	102
ME21060S05	10.6	71	1.9	12	56	45	118
ME21070S03	10.7	55	1.9	12	40	45	102
ME21070S05	10.7	71	1.9	12	56	45	118
ME21080S03	10.8	55	2	12	40	45	102
ME21080S05	10.8	71	2	12	56	45	118

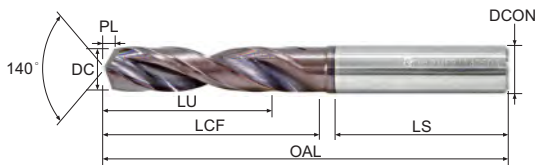
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產品型號 Model No	切削直徑 Diameter of Cutting DC	排屑槽長度 Length Of Cutting Flute LCF	頂端至肩部尺寸差 Length Of Tool Head PL	柄部直徑 Shank DCON	可使用長度 Effective Length LU	刀柄長度 Length Of Shank LS	全長 Total Length OAL
ME21090S03	10.9	55	2	12	40	45	102
ME21090S05	10.9	71	2	12	56	45	118
ME21100S03	11	55	2	12	40	45	102
ME21100S05	11	71	2	12	56	45	118
ME21110S03	11.1	55	2	12	40	45	102
ME21110S05	11.1	71	2	12	56	45	118
ME21120S03	11.2	55	2	12	40	45	102
ME21120S05	11.2	71	2	12	56	45	118
ME21130S03	11.3	55	2.1	12	40	45	102
ME21130S05	11.3	71	2.1	12	56	45	118
ME21140S03	11.4	55	2.1	12	40	45	102
ME21140S05	11.4	71	2.1	12	56	45	118
ME21150S03	11.5	55	2.1	12	40	45	102
ME21150S05	11.5	71	2.1	12	56	45	118
ME21160S03	11.6	55	2.1	12	40	45	102
ME21160S05	11.6	71	2.1	12	56	45	118
ME21170S03	11.7	55	2.1	12	40	45	102
ME21170S05	11.7	71	2.1	12	56	45	118
ME21180S03	11.8	55	2.1	12	40	45	102
ME21180S05	11.8	71	2.1	12	56	45	118
ME21190S03	11.9	55	2.2	12	40	45	102
ME21190S05	11.9	71	2.2	12	56	45	118
ME21200S03	12	55	2.2	12	40	45	102
ME21200S05	12	71	2.2	12	56	45	118
ME21210S03	12.1	60	2.2	14	43	45	107
ME21210S05	12.1	77	2.2	14	60	45	124
ME21220S03	12.2	60	2.2	14	43	45	107
ME21220S05	12.2	77	2.2	14	60	45	124
ME21230S03	12.3	60	2.2	14	43	45	107
ME21230S05	12.3	77	2.2	14	60	45	124
ME21250S03	12.5	60	2.3	14	43	45	107
ME21250S05	12.5	77	2.3	14	60	45	124
ME21260S05	12.6	77	2.3	14	60	45	124
ME21270S03	12.7	60	2.3	14	43	45	107
ME21270S05	12.7	77	2.3	14	60	45	124
ME21280S03	12.8	60	2.3	14	43	45	107
ME21280S05	12.8	77	2.3	14	60	45	124
ME21290S03	12.9	60	2.3	14	43	45	107
ME21290S05	12.9	77	2.3	14	60	45	124
ME21300S03	13	60	2.4	14	43	45	107
ME21300S05	13	77	2.4	14	60	45	124

※ 請接下頁。 ※ Continued on next page.

ME 20 series

適用材質 Material

合金鋼
Alloy Steel不鏽鋼
Stainless steel鑄鐵
Cast Iron

產品型號 Model No	切削直徑 Diameter of Cutting DC	排屑槽長度 Length Of Cutting Flute LCF	頂端至肩部尺寸差 Length Of Tool Head PL	柄部直徑 Shank DCON	可使用長度 Effective Length LU	刀柄長度 Length Of Shank LS	全長 Total Length OAL
ME21310S03	13.1	60	2.4	14	43	45	107
ME21310S05	13.1	77	2.4	14	60	45	124
ME21350S03	13.5	60	2.5	14	43	45	107
ME21350S05	13.5	77	2.5	14	60	45	124
ME21380S03	13.8	60	2.5	14	43	45	107
ME21380S05	13.8	77	2.5	14	60	45	124
ME21400S03	14	60	2.5	14	43	45	107
ME21400S05	14	77	2.5	14	60	45	124
ME21430S03	14.3	65	2.6	16	45	48	115
ME21430S05	14.3	83	2.6	16	63	48	133
ME21450S03	14.5	65	2.6	16	45	48	115
ME21450S05	14.5	83	2.6	16	63	48	133
ME21480S03	14.8	65	2.7	16	45	48	115
ME21480S05	14.8	83	2.7	16	63	48	133
ME21500S03	15	65	2.7	16	45	48	115
ME21500S05	15	83	2.7	16	63	48	133
ME21510S03	15.1	65	2.7	16	45	48	115
ME21510S05	15.1	83	2.7	16	63	48	133
ME21550S03	15.5	65	2.8	16	45	48	115
ME21550S05	15.5	83	2.8	16	63	48	133
ME21580S03	15.8	65	2.9	16	45	48	115
ME21580S05	15.8	83	2.9	16	63	48	133
ME21600S03	16	65	2.9	16	45	48	115
ME21600S05	16	83	2.9	16	63	48	133
ME21650S03	16.5	73	3	18	51	48	123
ME21650S05	16.5	93	3	18	71	48	143
ME21680S03	16.8	73	3.1	18	51	48	123
ME21680S05	16.8	93	3.1	18	71	48	143
ME21700S03	17	73	3.1	18	51	48	123
ME21700S05	17	93	3.1	18	71	48	143
ME21750S03	17.5	73	3.2	18	51	48	123
ME21750S05	17.5	93	3.2	18	71	48	143
ME21780S03	17.8	73	3.2	18	51	48	123
ME21780S05	17.8	93	3.2	18	71	48	143
ME21790S03	17.9	73	3.3	18	51	48	123

※ 請接下頁。 ※ Continued on next page.

產品型號 Model No	切削直徑 Diameter of Cutting DC	排屑槽長度 Length Of Cutting Flute LCF	頂端至肩部尺寸差 Length Of Tool Head PL	柄部直徑 Shank DCON	可使用長度 Effective Length LU	刀柄長度 Length Of Shank LS	全長 Total Length OAL
ME21790S05	17.9	93	3.3	18	71	48	143
ME21800S03	18	73	3.3	18	51	48	123
ME21800S05	18	93	3.3	18	71	48	143
ME21830S03	18.3	79	3.3	20	55	50	131
ME21830S05	18.3	101	3.3	20	77	50	153
ME21850S03	18.5	79	3.4	20	55	50	131
ME21850S05	18.5	101	3.4	20	77	50	153
ME21880S03	18.8	79	3.4	20	55	50	131
ME21880S05	18.8	101	3.4	20	77	50	153
ME21900S03	19	79	3.5	20	55	50	131
ME21900S05	19	101	3.5	20	77	50	153
ME21950S03	19.5	79	3.5	20	55	50	131
ME21950S05	19.5	101	3.5	20	77	50	153
ME21980S03	19.8	79	3.6	20	55	50	131
ME21980S05	19.8	101	3.6	20	77	50	153
ME22000S03	20	79	3.6	20	55	50	131
ME22000S05	20	101	3.6	20	77	50	153



SPE 20系列 鎢鋼鑽頭 Carbide Drill

夾角140°設計 140° Angle Design

鑽尖結構優化設計，擁有低抗阻能力
大幅提升切削排屑性能

The drill tip structure is optimized for reduced cutting resistance, significantly improving cutting efficiency and chip evacuation performance.



尺寸齊全 歡迎詢問

We welcome your inquiries.

A full range of specifications is available in stock.

特殊材質 Material

合金鋼
Alloy Steel

碳鋼
Carbon Steel

不鏽鋼
Stainless steel

專用

獨特雙刃帶設計，提升加工穩定性，延長加工使用時間。

High rigidity, excellent wear resistance, chipping resistance, heat resistance, and superior anti-vibration performance.



全新P600塗層 New SP600 Coating

高剛性、耐磨耗材質、抗崩損、耐高溫，抗震性絕佳

Manufactured using imported top-grade, high-precision multi-axis grinders, ensuring accurate and stable dimensions.

以進口頂級高精度多軸磨刀機研磨生產，尺寸精準且穩定

Grinding and production using imported top-grade high-precision multi-axis knife grinders, the dimensions are accurate and stable.

抗震鎢鋼鑽頭系列 SPE 20 series

Seismic Performance Carbide Drill Series

適用材質 Material

合金鋼
Alloy Steel

碳鋼
Carbon Steel

不鏽鋼
Stainless steel

獨特雙刃帶設計，提升加工穩定性，延長加工使用時間

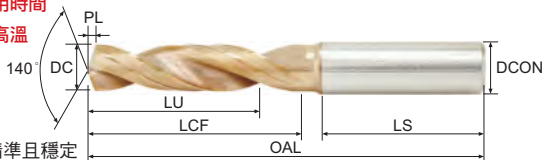
全新SP600塗層，高剛性、耐磨耗、抗崩損、耐高溫

抗震性絕佳！

• 鑽尖夾角140°結構優化設計，擁有低阻抗能力

大幅提升切削排屑性能。

• 採用進口頂級精密多軸研磨機生產，研磨尺寸精準且穩定



產品型號 Model No	切削直徑 Diameter of Cutting DC	排屑槽長度 Length Of Cutting Flute LCF	頂端至肩部尺寸差 Length Of Tool Head PL	柄部直徑 Shank DCON	可使用長度 Effective Length LU	刀柄長度 Length Of Shank LS	全長 Total Length OAL
SPE20115S03	1.15	7	0.2	4	5	28	58
SPE20117S03	1.17	7	0.2	4	5	28	58
SPE20125S03	1.25	7	0.2	4	5	28	58
SPE20126S03	1.26	7	0.2	4	5	28	58
SPE20145S03	1.45	9	0.3	4	6	28	58
SPE20147S03	1.47	9	0.3	4	6	28	58
SPE20150S05	1.5	12	0.3	4	9	28	58
SPE20160S03	1.6	9	0.3	4	6	28	58
SPE20170S03	1.7	9	0.3	4	6	45	58
SPE20180S03	1.8	9	0.3	4	6	28	58
SPE20200S03	2	13	0.4	4	9	28	58
SPE20200S05	2	18	0.4	4	14	28	58
SPE20210S03	2.1	13	0.4	4	9	28	58
SPE20210S05	2.1	18	0.4	4	14	28	58
SPE20220S03	2.2	13	0.4	4	9	28	58
SPE20220S05	2.2	18	0.4	4	14	28	58
SPE20230S03	2.3	13	0.4	4	9	28	58
SPE20230S05	2.3	18	0.4	4	14	28	58
SPE20238S03	2.38	17	0.4	4	12	28	58
SPE20240S03	2.4	17	0.4	4	12	28	58
SPE20240S05	2.4	22	0.4	4	17	28	58
SPE20250S03	2.5	17	0.5	4	12	28	58
SPE20250S05	2.5	22	0.5	4	17	28	58
SPE20260S03	2.6	17	0.5	4	12	28	58
SPE20260S05	2.6	22	0.5	4	17	28	58
SPE20270S03	2.7	17	0.5	4	12	28	58
SPE20270S05	2.7	22	0.5	4	17	28	58
SPE20278S03	2.78	17	0.5	4	12	28	58
SPE20280S03	2.8	17	0.5	4	12	28	58
SPE20280S05	2.8	22	0.5	4	17	28	58
SPE20290S03	2.9	17	0.5	4	12	28	58
SPE20290S05	2.9	22	0.5	4	17	28	58
SPE20300S03D4	3	20	0.5	4	14	36	62
SPE20300S03	3	20	0.5	6	14	36	62
SPE20300S05D4	3	28	0.5	4	23	36	66

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CARBIDE DRILL

CHAIN® SPE 20

CHAIN®

CARBIDE DRILL

適用材質 Material

合金鋼
Alloy Steel不鏽鋼
Stainless steel鑄鐵
Cast Iron

SPE 20 series

The unique double-edged belt design enhances machining stability and extends tool life.

The new SP600 coating offers high rigidity, excellent wear and chipping resistance, superior heat resistance, and outstanding vibration resistance.

- The 140° optimized drill tip design reduces cutting resistance and significantly improves cutting efficiency and chip evacuation.
- Produced using imported high-precision multi-axis grinding machines to ensure accurate and stable dimensions..

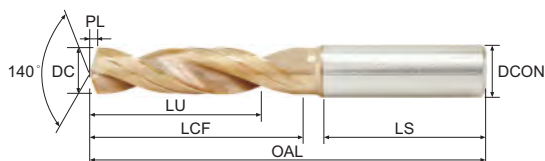
產品型號 Model No	切削直徑 Diameter of Cutting DC	排屑槽長度 Length Of Cutting Flute LCF	頂端至肩部尺寸差 Length Of Tool Head PL	柄部直徑 Shank DCON	可使用長度 Effective Length LU	刀柄長度 Length Of Shank LS	全長 Total Length OAL
SPE20300S05	3	28	0.5	6	23	36	66
SPE20310S03D4	3.1	20	0.6	4	14	36	62
SPE20310S03	3.1	20	0.6	6	14	36	62
SPE20310S05D4	3.1	28	0.6	4	23	36	66
SPE20310S05	3.1	28	0.6	6	23	36	66
SPE20320S03D4	3.2	20	0.6	4	14	36	62
SPE20320S03	3.2	20	0.6	6	14	36	62
SPE20320S05D4	3.2	28	0.6	4	23	36	66
SPE20320S05	3.2	28	0.6	6	23	36	66
SPE20330S03D4	3.3	20	0.6	4	14	36	62
SPE20330S03	3.3	20	0.6	6	14	36	62
SPE20330S05D4	3.3	28	0.6	4	23	36	66
SPE20330S05	3.3	28	0.6	6	23	36	66
SPE20340S03D4	3.4	20	0.6	4	14	36	62
SPE20340S03	3.4	20	0.6	6	14	36	62
SPE20340S05D4	3.4	28	0.6	4	23	36	66
SPE20340S05	3.4	28	0.6	6	23	36	66
SPE20350S03D4	3.5	20	0.6	4	14	36	62
SPE20350S03	3.5	20	0.6	6	14	36	62
SPE20350S05D4	3.5	28	0.6	4	23	36	66
SPE20350S05	3.5	28	0.6	6	23	36	66
SPE20360S03D4	3.6	20	0.7	4	14	36	62
SPE20360S03	3.6	20	0.7	6	14	36	62
SPE20360S05D4	3.6	28	0.7	4	23	36	66
SPE20360S05	3.6	28	0.7	6	23	36	66
SPE20368S03	3.68	20	0.7	6	14	36	62
SPE20370S03	3.7	20	0.7	6	14	36	62
SPE20370S03D4	3.7	20	0.7	4	14	36	62
SPE20370S05D4	3.7	28	0.7	4	23	36	66
SPE20370S05	3.7	28	0.7	6	23	36	66
SPE20380S03D4	3.8	24	0.7	4	17	36	66
SPE20380S03	3.8	24	0.7	6	17	36	66
SPE20380S05D4	3.8	36	0.7	4	29	36	74
SPE20380S05	3.8	36	0.7	6	29	36	74
SPE20390S03D4	3.9	24	0.7	4	17	36	66

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產品型號 Model No	切削直徑 Diameter of Cutting DC	排屑槽長度 Length Of Cutting Flute LCF	頂端至肩部尺寸差 Length Of Tool Head PL	柄部直徑 Shank DCON	可使用長度 Effective Length LU	刀柄長度 Length Of Shank LS	全長 Total Length OAL
SPE20390S03	3.9	24	0.7	6	17	36	66
SPE20390S05D4	3.9	36	0.7	4	29	36	74
SPE20390S05	3.9	36	0.7	6	29	36	74
SPE20400S03D4	4	24	0.7	4	17	36	66
SPE20400S03	4	24	0.7	6	17	36	66
SPE20400S05D4	4	36	0.7	4	29	36	74
SPE20400S05	4	36	0.7	6	29	36	74
SPE20410S03	4.1	24	0.7	6	17	36	66
SPE20410S05	4.1	36	0.7	6	29	36	74
SPE20420S03	4.2	24	0.8	6	17	36	66
SPE20420S05	4.2	36	0.8	6	29	36	74
SPE20430S03	4.3	24	0.8	6	17	36	66
SPE20430S05	4.3	36	0.8	6	29	36	74
SPE20440S03	4.4	24	0.8	6	17	36	66
SPE20440S05	4.4	36	0.8	6	29	36	74
SPE20450S03	4.5	24	0.8	6	17	36	66
PE20450S05	4.5	36	0.8	6	29	36	74
SPE20460S03	4.6	24	0.8	6	17	36	66
SPE20460S05	4.6	36	0.8	6	29	36	74
SPE20465S03	4.65	24	0.9	6	17	36	66
SPE20470S03	4.7	24	0.9	6	17	36	66
SPE20470S05	4.7	36	0.9	6	29	36	74
SPE20480S03	4.8	28	0.9	6	20	36	66
SPE20480S05	4.8	44	0.9	6	35	36	82
SPE20490S03	4.9	28	0.9	6	20	36	66
SPE20490S05	4.9	44	0.9	6	35	36	82
SPE20500S03	5	28	0.9	6	20	36	66
SPE20500S05	5	44	0.9	6	35	36	82
SPE20505S03	5.05	28	0.9	6	20	36	66
SPE20510S03	5.1	28	0.9	6	20	36	66
SPE20510S05	5.1	44	0.9	6	35	36	82
SPE20520S03	5.2	28	0.9	6	20	36	66
SPE20520S05	5.2	44	0.9	6	35	36	82
SPE20530S03	5.3	28	1	6	20	36	66
SPE20530S05	5.3	44	1	6	35	36	82
SPE20540S03	5.4	28	1	6	20	36	66
SPE20540S05	5.4	44	1	6	35	36	82
SPE20550S03	5.5	28	1	6	20	36	66
SPE20550S05	5.5	44	1	6	35	36	82
SPE20560S03	5.6	28	1	6	20	36	66
SPE20560S05	5.6	44	1	6	35	36	82

SPE 20 series

適用材質 Material

合金鋼
Alloy Steel不鏽鋼
Stainless steel鑄鐵
Cast iron

產品型號 Model No	切削直徑 Diameter of Cutting DC	排屑槽長度 Length Of Cutting Flute LCF	頂端至肩部尺寸差 Length Of Tool Head PL	柄部直徑 Shank DCON	可使用長度 Effective Length LU	刀柄長度 Length Of Shank LS	全長 Total Length OAL
SPE20570S03	5.7	28	1	6	20	36	66
SPE20570S05	5.7	44	1	6	35	36	82
SPE20580S03	5.8	28	1.1	6	20	36	66
SPE20580S05	5.8	44	1.1	6	35	36	82
SPE20590S03	5.9	28	1.1	6	20	36	66
SPE20590S05	5.9	44	1.1	6	35	36	82
SPE20600S03	6	28	1.1	6	20	36	66
SPE20600S05	6	44	1.1	6	35	36	82
SPE20610S03	6.1	34	1.1	8	24	36	79
SPE20610S05	6.1	53	1.1	8	43	36	91
SPE20620S03	6.2	34	1.1	8	24	36	79
SPE20620S05	6.2	53	1.1	8	43	36	91
SPE20630S03	6.3	34	1.1	8	24	36	79
SPE20630S05	6.3	53	1.1	8	43	36	91
SPE20640S03	6.4	34	1.2	8	24	36	79
SPE20640S05	6.4	53	1.2	8	43	36	91
SPE20650S03	6.5	34	1.2	8	24	36	79
SPE20650S05	6.5	53	1.2	8	43	36	91
SPE20660S03	6.6	34	1.2	8	24	36	79
SPE20660S05	6.6	53	1.2	8	43	36	91
SPE20670S03	6.7	34	1.2	8	24	36	79
SPE20670S05	6.7	53	1.2	8	43	36	91
SPE20680S03	6.8	34	1.2	8	24	36	79
SPE20680S05	6.8	53	1.2	8	43	36	91
SPE20690S03	6.9	34	1.3	8	24	36	79
SPE20690S05	6.9	53	1.3	8	43	36	91
SPE20700S03	7	34	1.3	8	24	36	79
SPE20700S05	7	53	1.3	8	43	36	91
SPE20710S03	7.1	41	1.3	8	29	36	79
SPE20710S05	7.1	53	1.3	8	43	36	91
SPE20720S03	7.2	41	1.3	8	29	36	79
SPE20720S05	7.2	53	1.3	8	43	36	91
SPE20730S03	7.3	41	1.3	8	29	36	79
SPE20730S05	7.3	53	1.3	8	43	36	91
SPE20740S03	7.4	41	1.3	8	29	36	79

※ 請接下頁。 ※ Continued on next page.

產品型號 Model No	切削直徑 Diameter of Cutting DC	排屑槽長度 Length Of Cutting Flute LCF	頂端至肩部尺寸差 Length Of Tool Head PL	柄部直徑 Shank DCON	可使用長度 Effective Length LU	刀柄長度 Length Of Shank LS	全長 Total Length OAL
SPE20740S05	7.4	53	1.3	8	43	36	91
SPE20750S03	7.5	41	1.4	8	29	36	79
SPE20750S05	7.5	53	1.4	8	43	36	91
SPE20760S03	7.6	41	1.4	8	29	36	79
SPE20760S05	7.6	53	1.4	8	43	36	91
SPE20770S03	7.7	41	1.4	8	29	36	79
SPE20770S05	7.7	53	1.4	8	43	36	91
SPE20780S03	7.8	41	1.4	8	29	36	79
SPE20780S05	7.8	53	1.4	8	43	36	91
SPE20790S03	7.9	41	1.4	8	29	36	79
SPE20790S05	7.9	53	1.4	8	43	36	91
SPE20800S03	8	41	1.5	8	29	36	79
SPE20800S05	8	53	1.5	8	43	36	91
SPE20810S03	8.1	47	1.5	10	35	40	89
SPE20810S05	8.1	61	1.5	10	49	40	103
SPE20820S03	8.2	47	1.5	10	35	40	89
SPE20820S05	8.2	61	1.5	10	49	40	103
SPE20830S03	8.3	47	1.5	10	35	40	89
SPE20830S05	8.3	61	1.5	10	49	40	103
SPE20840S03	8.4	47	1.5	10	35	40	89
SPE20840S05	8.4	61	1.5	10	49	40	103
SPE20850S03	8.5	47	1.5	10	35	40	89
SPE20850S05	8.5	61	1.5	10	49	40	103
SPE20860S03	8.6	47	1.6	10	35	40	89
SPE20860S05	8.6	61	1.6	10	49	40	103
SPE20870S03	8.7	47	1.6	10	35	40	89
SPE20870S05	8.7	61	1.6	10	49	40	103
SPE20880S03	8.8	47	1.6	10	35	40	89
SPE20880S05	8.8	61	1.6	10	49	40	103
SPE20890S03	8.9	47	1.6	10	35	40	89
SPE20890S05	8.9	61	1.6	10	49	40	103
SPE20900S03	9	47	1.6	10	35	40	89
SPE20900S05	9	61	1.6	10	49	40	103
SPE20910S03	9.1	47	1.7	10	35	40	89
SPE20910S05	9.1	61	1.7	10	49	40	103
SPE20920S03	9.2	47	1.7	10	35	40	89
SPE20920S05	9.2	61	1.7	10	49	40	103
SPE20930S03	9.3	47	1.7	10	35	40	89
SPE20930S05	9.3	61	1.7	10	49	40	103
SPE20940S03	9.4	47	1.7	10	35	40	89
SPE20940S05	9.4	61	1.7	10	49	40	103

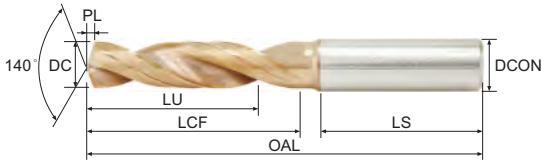
SPE 20 series

適用材質 Material

合金鋼
Alloy Steel

不銹鋼
Stainless steel

鑄鐵
Cast iron



產品型號 Model No	切削直徑 Diameter of Cutting DC	排屑槽長度 Length Of Cutting Flute LCF	頂端至肩部尺寸差 Length Of Tool Head PL	柄部直徑 Shank DCON	可使用長度 Effective Length LU	刀柄長度 Length Of Shank LS	全長 Total Length OAL
SPE20950S03	9.5	47	1.7	10	35	40	89
SPE20950S05	9.5	61	1.7	10	49	40	103
SPE20960S03	9.6	47	1.7	10	35	40	89
SPE20960S05	9.6	61	1.7	10	49	40	103
SPE20970S03	9.7	61	1.8	10	35	40	89
SPE20970S05	9.7	61	1.8	10	49	40	103
SPE20980S03	9.8	47	1.8	10	35	40	89
SPE20980S05	9.8	61	1.8	10	49	40	103
SPE20990S03	9.9	47	1.8	10	35	40	89
SPE20990S05	9.9	61	1.8	10	49	40	103
SPE21000S03	10	47	1.8	10	35	40	89
SPE21000S05	10	61	1.8	10	49	40	103
SPE21010S03	10.1	55	1.8	12	40	45	102
SPE21010S05	10.1	71	1.8	12	56	45	118
SPE21020S03	10.2	55	1.9	12	40	45	102
SPE21020S05	10.2	71	1.9	12	56	45	118
SPE21030S03	10.3	55	1.9	12	40	45	102
SPE21030S05	10.3	71	1.9	12	56	45	118
SPE21040S03	10.4	55	1.9	12	40	45	102
SPE21040S05	10.4	71	1.9	12	56	45	118
SPE21050S03	10.5	55	1.9	12	40	45	102
SPE21050S05	10.5	71	1.9	12	56	45	118
SPE21060S03	10.6	55	1.9	12	40	45	102
SPE21060S05	10.6	71	1.9	12	56	45	118
SPE21070S03	10.7	55	1.9	12	40	45	102
SPE21070S05	10.7	71	1.9	12	56	45	118
SPE21080S03	10.8	55	2	12	40	45	102
SPE21080S05	10.8	71	2	12	56	45	118
SPE21090S03	10.9	55	2	12	40	45	102
SPE21090S05	10.9	71	2	12	56	45	118
SPE21100S03	11	55	2	12	40	45	102
SPE21100S05	11	71	2	12	56	45	118
SPE21110S03	11.1	55	2	12	40	45	102
SPE21110S05	11.1	71	2	12	56	45	118
SPE21120S03	11.2	55	2	12	40	45	102

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產品型號 Model No	切削直徑 Diameter of Cutting DC	排屑槽長度 Length Of Cutting Flute LCF	頂端至肩部尺寸差 Length Of Tool Head PL	柄部直徑 Shank DCON	可使用長度 Effective Length LU	刀柄長度 Length Of Shank LS	全長 Total Length OAL
SPE21120S05	11.2	71	2	12	56	45	118
SPE21130S03	11.3	55	2.1	12	40	45	102
SPE21130S05	11.3	71	2.1	12	56	45	118
SPE21140S03	11.4	55	2.1	12	40	45	102
SPE21140S05	11.4	71	2.1	12	56	45	118
SPE21150S03	11.5	55	2.1	12	40	45	102
SPE21150S05	11.5	71	2.1	12	56	45	118
SPE21160S03	11.6	55	2.1	12	40	45	102
SPE21160S05	11.6	71	2.1	12	56	45	118
SPE21170S03	11.7	55	2.1	12	40	45	102
SPE21170S05	11.7	71	2.1	12	56	45	118
SPE21180S03	11.8	55	2.1	12	40	45	102
SPE21180S05	11.8	71	2.1	12	56	45	118
SPE21190S03	11.9	55	2.2	12	40	45	102
SPE21190S05	11.9	71	2.2	12	56	45	118
SPE21200S03	12	55	2.2	12	40	45	102
SPE21200S05	12	71	2.2	12	56	45	118

特殊材質 Material

合金鋼
Alloy Steel

碳鋼
Carbon Steel

不鏽鋼
Stainless steel

專用

中心出水孔設計

Central Water Outlet Design

使鑽孔加工表現穩定且延長加工使用時間
Ensures stable drilling performance and extends tool life.

尺寸齊全 歡迎詢問

Welcome to inquiry, a complete range of specifications are in stock



SPEC 20 系列

中心出水設計 鎢鋼鑽頭

Carbide Drill With Coolant

全新**SP600塗層** 高剛性、耐磨耗材質
抗崩損、耐高溫，抗震性絕佳

New SP600 Coating

Offers high rigidity, excellent wear and chipping resistance, outstanding heat resistance, and superior vibration resistance.

夾角140°設計 140 Angle Design

鑽尖結構優化設計，擁有低抗阻能力，
進給出水設計，大幅提升切削排屑性能。

The drill tip is optimized for low cutting resistance and high feed capability, significantly improving chip evacuation performance.

高進給單刀帶設計 High-Feed Single-Flute with Coolant Design

提升加工穩定性，延長加工使用時間。

The unique high-feed single-flute design improves machining stability and extends tool life.

以進口頂級高精密多軸磨刀機研磨生產，尺寸精準且穩定。

Manufactured using top-grade, high-precision imported multi-axis grinders to ensure accurate and stable dimensions.

高進給單刀帶設計
High feed single flute design.



中心出水孔設計鎢鋼鑽頭系列 SPEC 20 series

Carbide Drill with Coolant Design Carbide Drill Series

適用材質 Material

合金鋼
Alloy Steel

碳鋼
Carbon Steel

不鏽鋼
Stainless steel

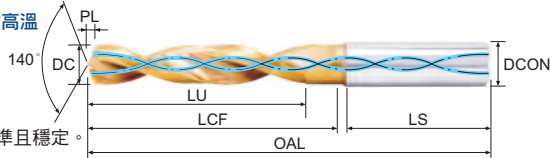
高進給單刀帶出水設計，使鑽孔加工表現穩定，且延長加工使用時間，大幅提升切削排屑性能

全新SP600塗層，高剛性、耐磨耗、抗崩損、耐高溫
抗震性絕佳！

• 鑽尖夾角140°結構優化設計，擁有低阻抗能力

大幅提升切削排屑性能。

• 進口頂級高精度多軸磨刀機生產，研磨尺寸精準且穩定。



產品型號 Model No	切削直徑 Diameter Of Cutting DC	排屑槽長度 Length Of Cutting Flute LCF	頂端至肩部尺寸差 Length Of Tool Head PL	柄部直徑 Shank DCON	可使用長度 Effective Length LU	刀柄長度 Length Of Shank LS	全長 Total Length OAL
SPEC20150S05	1.5	12	0.3	4	9	28	58
SPEC20160S03	1.6	9	0.3	4	6	28	58
SPEC20180S03	1.8	9	0.3	4	6	28	58
SPEC20200S03	2	13	0.4	4	9	28	58
SPEC20200S05	2	18	0.4	4	14	28	58
SPEC20210S03	2.1	13	0.4	4	9	28	58
SPEC20210S05	2.1	18	0.4	4	14	28	58
SPEC20220S03	2.2	13	0.4	4	9	28	58
SPEC20220S05	2.2	18	0.4	4	14	28	58
SPEC20230S03	2.3	13	0.4	4	9	28	58
SPEC20230S05	2.3	18	0.4	4	14	28	58
SPEC20240S03	2.4	17	0.4	4	12	28	58
SPEC20240S05	2.4	22	0.4	4	17	28	58
SPEC20250S03	2.5	17	0.5	4	12	28	58
SPEC20250S05	2.5	22	0.5	4	17	28	58
SPEC20260S03	2.6	17	0.5	4	12	28	58
SPEC20260S05	2.6	22	0.5	4	17	28	58
SPEC20270S03	2.7	17	0.5	4	12	28	58
SPEC20270S05	2.7	22	0.5	4	17	28	58
SPEC20280S03	2.8	17	0.5	4	12	28	58
SPEC20280S05	2.8	22	0.5	4	17	28	58
SPEC20290S03	2.9	17	0.5	4	12	28	58
SPEC20290S05	2.9	22	0.5	4	17	28	58
SPEC20300S03D4	3	20	0.5	4	14	36	62
SPEC20300S03	3	20	0.5	6	14	36	62
SPEC20300S05D4	3	28	0.5	4	23	36	66
SPEC20300S05	3	28	0.5	6	23	36	66
SPEC20310S03D4	3.1	20	0.6	4	14	36	62
SPEC20310S03	3.1	20	0.6	6	14	36	62
SPEC20310S05D4	3.1	28	0.6	4	23	36	66
SPEC20310S05	3.1	28	0.6	6	23	36	66
SPEC20320S03D4	3.2	20	0.6	4	14	36	62
SPEC20320S03	3.2	20	0.6	6	14	36	62
SPEC20320S05D4	3.2	28	0.6	4	23	36	66
SPEC20320S05	3.2	28	0.6	6	23	36	66

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CARBIDE DRILL WITH COOLANT

CHAIN[®] SPEC 20

CHAIN[®]

WITH COOLANT

SPEC 20 series

適用材質 Material

合金鋼
Alloy Steel碳 鋼
Carbon Steel不鏽鋼
Stainless steel

The high-feed single-flute design with internal coolant ensures stable drilling performance and extends tool life. The new SP600 coating provides high rigidity, excellent wear and chipping resistance, superior heat resistance, and outstanding vibration resistance.

- The 140° optimized drill tip design reduces cutting resistance and significantly enhances chip evacuation and cutting performance.
- Manufactured using top-grade imported multi-axis precision grinders to ensure accurate and stable dimensions.

產品型號 Model No	切削直徑 Diameter of Cutting DC	排屑槽長度 Length Of Cutting Flute LCF	頂端至肩部尺寸差 Length Of Tool Head PL	柄部直徑 Shank DCON	可使用長度 Effective Length LU	刀柄長度 Length Of Shank LS	全長 Total Length OAL
SPEC20330S03D4	3.3	20	0.6	4	14	36	62
SPEC20330S03	3.3	20	0.6	6	14	36	62
SPEC20330S05D4	3.3	28	0.6	4	23	36	66
SPEC20330S05	3.3	28	0.6	6	23	36	66
SPEC20340S03D4	3.4	20	0.6	4	14	36	62
SPEC20340S03	3.4	20	0.6	6	14	36	62
SPEC20340S05D4	3.4	28	0.6	4	23	36	66
SPEC20340S05	3.4	28	0.6	6	23	36	66
SPEC20350S03D4	3.5	20	0.6	4	14	36	62
SPEC20350S03	3.5	20	0.6	6	14	36	62
SPEC20350S05D4	3.5	28	0.6	4	23	36	66
SPEC20350S05	3.5	28	0.6	6	23	36	66
SPEC20360S03D4	3.6	20	0.7	4	14	36	62
SPEC20360S03	3.6	20	0.7	6	14	36	62
SPEC20360S05D4	3.6	28	0.7	4	23	36	66
SPEC20360S05	3.6	28	0.7	6	23	36	66
SPEC20370S03D4	3.7	20	0.7	4	14	36	62
SPEC20370S03	3.7	20	0.7	6	14	36	62
SPEC20370S05D4	3.7	28	0.7	4	23	36	66
SPEC20370S05	3.7	28	0.7	6	23	36	66
SPEC20380S03D4	3.8	24	0.7	4	17	36	66
SPEC20380S03	3.8	24	0.7	6	17	36	66
SPEC20380S05D4	3.8	36	0.7	4	29	36	74
SPEC20380S05	3.8	36	0.7	6	29	36	74
SPEC20390S03D4	3.9	24	0.7	4	17	36	66
SPEC20390S03	3.9	24	0.7	6	17	36	66
SPEC20390S05D4	3.9	36	0.7	4	29	36	74
SPEC20390S05	3.9	36	0.7	6	29	36	74
SPEC20400S03D4	4	24	0.7	4	17	36	66
SPEC20400S03	4	24	0.7	6	17	36	66
SPEC20400S05D4	4	36	0.7	4	29	36	74
SPEC20400S05	4	36	0.7	6	29	36	74
SPEC20410S03	4.1	24	0.7	6	17	36	66
SPEC20410S05	4.1	36	0.7	6	29	36	74
SPEC20420S03	4.2	24	0.8	6	17	36	66

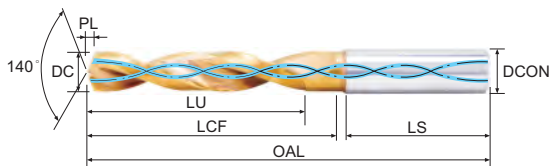
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產品型號 Model No	切削直徑 Diameter of Cutting DC	排屑槽長度 Length Of Cutting Flute LCF	頂端至肩部尺寸差 Length Of Tool Head PL	柄部直徑 Shank DCON	可使用長度 Effective Length LU	刀柄長度 Length Of Shank LS	全長 Total Length OAL
SPEC20420S05	4.2	36	0.8	6	29	36	74
SPEC20430S03	4.3	24	0.8	6	17	36	66
SPEC20430S05	4.3	36	0.8	6	29	36	74
SPEC20440S03	4.4	24	0.8	6	17	36	66
SPEC20440S05	4.4	36	0.8	6	29	36	74
SPEC20450S03	4.5	24	0.8	6	17	36	66
SPEC20450S05	4.5	36	0.8	6	29	36	74
SPEC20460S03	4.6	24	0.8	6	17	36	66
SPEC20460S05	4.6	36	0.8	6	29	36	74
SPEC20470S03	4.7	24	0.9	6	17	36	66
SPEC20470S05	4.7	36	0.9	6	29	36	74
SPEC20480S03	4.8	28	0.9	6	20	36	66
SPEC20480S05	4.8	44	0.9	6	35	36	82
SPEC20490S03	4.9	28	0.9	6	20	36	66
SPEC20490S05	4.9	44	0.9	6	35	36	82
SPEC20500S03	5	28	0.9	6	20	36	66
SPEC20500S05	5	44	0.9	6	35	36	82
SPEC20510S03	5.1	28	0.9	6	20	36	66
SPEC20510S05	5.1	44	0.9	6	35	36	82
SPEC20520S03	5.2	28	0.9	6	20	36	66
SPEC20520S05	5.2	44	0.9	6	35	36	82
SPEC20530S03	5.3	28	1	6	20	36	66
SPEC20530S05	5.3	44	1	6	35	36	82
SPEC20540S03	5.4	28	1	6	20	36	66
SPEC20540S05	5.4	44	1	6	35	36	82
SPEC20550S03	5.5	28	1	6	20	36	66
SPEC20550S05	5.5	44	1	6	35	36	82
SPEC20560S03	5.6	28	1	6	20	36	66
SPEC20560S05	5.6	44	1	6	35	36	82
SPEC20570S03	5.7	28	1	6	20	36	66
SPEC20570S05	5.7	44	1	6	35	36	82
SPEC20580S03	5.8	28	1.1	6	20	36	66
SPEC20580S05	5.8	44	1.1	6	35	36	82
SPEC20590S03	5.9	28	1.1	6	20	36	66
SPEC20590S05	5.9	44	1.1	6	35	36	82
SPEC20600S03	6	28	1.1	6	20	36	66
SPEC20600S05	6	44	1.1	6	35	36	82
SPEC20610S03	6.1	34	1.1	8	24	36	79
SPEC20610S05	6.1	53	1.1	8	43	36	91
SPEC20620S03	6.2	34	1.1	8	24	36	79
SPEC20620S05	6.2	53	1.1	8	43	36	91

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SPEC 20 series

適用材質 Material

合金鋼
Alloy Steel碳 鋼
Carbon Steel不 鏽 鋼
Stainless steel

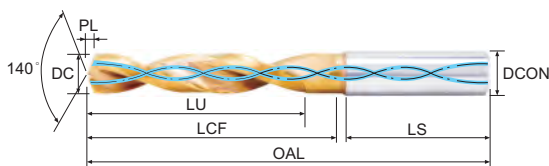
產品型號 Model No	切削直徑 Diameter of Cutting DC	排屑槽長度 Length Of Cutting Flute LCF	頂端至肩部尺寸差 Length Of Tool Head PL	柄部直徑 Shank DCON	可使用長度 Effective Length LU	刀柄長度 Length Of Shank LS	全長 Total Length OAL
SPEC20630S03	6.3	34	1.1	8	24	36	79
SPEC20630S05	6.3	53	1.1	8	43	36	91
SPEC20640S03	6.4	34	1.2	8	24	36	79
SPEC20640S05	6.4	53	1.2	8	43	36	91
SPEC20650S03	6.5	34	1.2	8	24	36	79
SPEC20650S05	6.5	53	1.2	8	43	36	91
SPEC20660S03	6.6	34	1.2	8	24	36	79
SPEC20660S05	6.6	53	1.2	8	43	36	91
SPEC20670S03	6.7	34	1.2	8	24	36	79
SPEC20670S05	6.7	53	1.2	8	43	36	91
SPEC20680S03	6.8	34	1.2	8	24	36	79
SPEC20680S05	6.8	53	1.2	8	43	36	91
SPEC20690S03	6.9	34	1.3	8	24	36	79
SPEC20690S05	6.9	53	1.3	8	43	36	91
SPEC20700S03	7	34	1.3	8	24	36	79
SPEC20700S05	7	53	1.3	8	43	36	91
SPEC20710S03	7.1	41	1.3	8	29	36	79
SPEC20710S05	7.1	53	1.3	8	43	36	91
SPEC20720S03	7.2	41	1.3	8	29	36	79
SPEC20720S05	7.2	53	1.3	8	43	36	91
SPEC20730S03	7.3	41	1.3	8	29	36	79
SPEC20730S05	7.3	53	1.3	8	43	36	91
SPEC20740S03	7.4	41	1.3	8	29	36	79
SPEC20740S05	7.4	53	1.3	8	43	36	91
SPEC20750S03	7.5	41	1.4	8	29	36	79
SPEC20750S05	7.5	53	1.4	8	43	36	91
SPEC20760S03	7.6	41	1.4	8	29	36	79
SPEC20760S05	7.6	53	1.4	8	43	36	91
SPEC20770S03	7.7	41	1.4	8	29	36	79
SPEC20770S05	7.7	53	1.4	8	43	36	91
SPEC20780S03	7.8	41	1.4	8	29	36	79
SPEC20780S05	7.8	53	1.4	8	43	36	91
SPEC20790S03	7.9	41	1.4	8	29	36	79
SPEC20790S05	7.9	53	1.4	8	43	36	91
SPEC20800S03	8	41	1.5	8	29	36	79

※ 請接下頁。 ※ Continued on next page.

產品型號 Model No	切削直徑 Diameter of Cutting DC	排屑槽長度 Length Of Cutting Flute LCF	頂端至肩部尺寸差 Length Of Tool Head PL	柄部直徑 Shank DCON	可使用長度 Effective Length LU	刀柄長度 Length Of Shank LS	全長 Total Length OAL
SPEC20800S05	8	53	1.5	8	43	36	91
SPEC20810S03	8.1	47	1.5	10	35	40	89
SPEC20810S05	8.1	61	1.5	10	49	40	103
SPEC20820S03	8.2	47	1.5	10	35	40	89
SPEC20820S05	8.2	61	1.5	10	49	40	103
SPEC20830S03	8.3	47	1.5	10	35	40	89
SPEC20830S05	8.3	61	1.5	10	49	40	103
SPEC20840S03	8.4	47	1.5	10	35	40	89
SPEC20840S05	8.4	61	1.5	10	49	40	103
SPEC20850S03	8.5	47	1.5	10	35	40	89
SPEC20850S05	8.5	61	1.5	10	49	40	103
SPEC20860S03	8.6	47	1.6	10	35	40	89
SPEC20860S05	8.6	61	1.6	10	49	40	103
SPEC20870S03	8.7	47	1.6	10	35	40	89
SPEC20870S05	8.7	61	1.6	10	49	40	103
SPEC20880S03	8.8	47	1.6	10	35	40	89
SPEC20880S05	8.8	61	1.6	10	49	40	103
SPEC20890S03	8.9	47	1.6	10	35	40	89
SPEC20890S05	8.9	61	1.6	10	49	40	103
SPEC20900S03	9	47	1.6	10	35	40	89
SPEC20900S05	9	61	1.6	10	49	40	103
SPEC20910S03	9.1	47	1.7	10	35	40	89
SPEC20910S05	9.1	61	1.7	10	49	40	103
SPEC20920S03	9.2	47	1.7	10	35	40	89
SPEC20920S05	9.2	61	1.7	10	49	40	103
SPEC20930S03	9.3	47	1.7	10	35	40	89
SPEC20930S05	9.3	61	1.7	10	49	40	103
SPEC20940S03	9.4	47	1.7	10	35	40	89
SPEC20940S05	9.4	61	1.7	10	49	40	103
SPEC20950S03	9.5	47	1.7	10	35	40	89
SPEC20950S05	9.5	61	1.7	10	49	40	103
SPEC20960S03	9.6	47	1.7	10	35	40	89
SPEC20960S05	9.6	61	1.7	10	49	40	103
SPEC20970S03	9.7	61	1.8	10	35	40	89
SPEC20970S05	9.7	61	1.8	10	49	40	103
SPEC20980S03	9.8	47	1.8	10	35	40	89
SPEC20980S05	9.8	61	1.8	10	49	40	103
SPEC20990S03	9.9	47	1.8	10	35	40	89
SPEC20990S05	9.9	61	1.8	10	49	40	103
SPEC21000S03	10	47	1.8	10	35	40	89
SPEC21000S05	10	61	1.8	10	49	40	103

SPEC 20 series

適用材質 Material

合金鋼
Alloy Steel碳 鋼
Carbon Steel不 鏽 鋼
Stainless steel

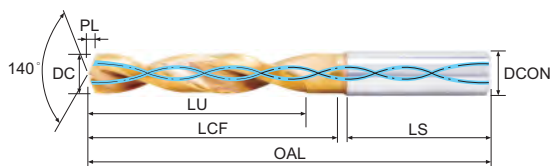
產品型號 Model No	切削直徑 Diameter of Cutting DC	排屑槽長度 Length Of Cutting Flute LCF	頂端至肩部尺寸差 Length Of Tool Head PL	柄部直徑 Shank DCON	可使用長度 Effective Length LU	刀柄長度 Length Of Shank LS	全長 Total Length OAL
SPEC21010S03	10.1	55	1.8	12	40	45	102
SPEC21010S05	10.1	71	1.8	12	56	45	118
SPEC21020S03	10.2	55	1.9	12	40	45	102
SPEC21020S05	10.2	71	1.9	12	56	45	118
SPEC21030S03	10.3	55	1.9	12	40	45	102
SPEC21030S05	10.3	71	1.9	12	56	45	118
SPEC21040S03	10.4	55	1.9	12	40	45	102
SPEC21040S05	10.4	71	1.9	12	56	45	118
SPEC21050S03	10.5	55	1.9	12	40	45	102
SPEC21050S05	10.5	71	1.9	12	56	45	118
SPEC21060S03	10.6	55	1.9	12	40	45	102
SPEC21060S05	10.6	71	1.9	12	56	45	118
SPEC21070S03	10.7	55	1.9	12	40	45	102
SPEC21070S05	10.7	71	1.9	12	56	45	118
SPEC21080S03	10.8	55	2	12	40	45	102
SPEC21080S05	10.8	71	2	12	56	45	118
SPEC21090S03	10.9	55	2	12	40	45	102
SPEC21090S05	10.9	71	2	12	56	45	118
SPEC21100S03	11	55	2	12	40	45	102
SPEC21100S05	11	71	2	12	56	45	118
SPEC21110S03	11.1	55	2	12	40	45	102
SPEC21110S05	11.1	71	2	12	56	45	118
SPEC21120S03	11.2	55	2	12	40	45	102
SPEC21120S05	11.2	71	2	12	56	45	118
SPEC21130S03	11.3	55	2.1	12	40	45	102
SPEC21130S05	11.3	71	2.1	12	56	45	118
SPEC21140S03	11.4	55	2.1	12	40	45	102
SPEC21140S05	11.4	71	2.1	12	56	45	118
SPEC21150S03	11.5	55	2.1	12	40	45	102
SPEC21150S05	11.5	71	2.1	12	56	45	118
SPEC21160S03	11.6	55	2.1	12	40	45	102
SPEC21160S05	11.6	71	2.1	12	56	45	118
SPEC21170S03	11.7	55	2.1	12	40	45	102
SPEC21170S05	11.7	71	2.1	12	56	45	118
SPEC21180S03	11.8	55	2.1	12	40	45	102

※ 請接下頁。 ※ Continued on next page.

產品型號 Model No	切削直徑 Diameter of Cutting DC	排屑槽長度 Length Of Cutting Flute LCF	頂端至肩部尺寸差 Length Of Tool Head PL	柄部直徑 Shank DCON	可使用長度 Effective Length LU	刀柄長度 Length Of Shank LS	全長 Total Length OAL
SPEC21180S05	11.8	71	2.1	12	56	45	118
SPEC21190S03	11.9	55	2.2	12	40	45	102
SPEC21190S05	11.9	71	2.2	12	56	45	118
SPEC21200S03	12	55	2.2	12	40	45	102
SPEC21200S05	12	71	2.2	12	56	45	118
SPEC21210S03	12.1	60	2.2	14	43	45	107
SPEC21210S05	12.1	77	2.2	14	60	45	124
SPEC21220S03	12.2	60	2.2	14	43	45	107
SPEC21220S05	12.2	77	2.2	14	60	45	124
SPEC21230S03	12.3	60	2.2	14	43	45	107
SPEC21230S05	12.3	77	2.2	14	60	45	124
SPEC21250S03	12.5	60	2.3	14	43	45	107
SPEC21250S05	12.5	77	2.3	14	60	45	124
SPEC21260S03	12.6	60	2.3	14	43	45	107
SPEC21260S05	12.6	77	2.3	14	60	45	124
SPEC21270S03	12.7	60	2.3	14	43	45	107
SPEC21270S05	12.7	77	2.3	14	60	45	124
SPEC21280S03	12.8	60	2.3	14	43	45	107
SPEC21280S05	12.8	77	2.3	14	60	45	124
SPEC21290S03	12.9	60	2.3	14	43	45	107
SPEC21290S05	12.9	77	2.3	14	60	45	124
SPEC21300S03	13	60	2.4	14	43	45	107
SPEC21300S05	13	77	2.4	14	60	45	124
SPEC21310S03	13.1	60	2.4	14	43	45	107
SPEC21310S05	13.1	77	2.4	14	60	45	124
SPEC21350S03	13.5	60	2.5	14	43	45	107
SPEC21350S05	13.5	77	2.5	14	60	45	124
SPEC21380S03	13.8	60	2.5	14	43	45	107
SPEC21380S05	13.8	77	2.5	14	60	45	124
SPEC21400S03	14	60	2.5	14	43	45	107
SPEC21400S05	14	77	2.5	14	60	45	124
SPEC21430S03	14.3	65	2.6	16	45	48	115
SPEC21430S05	14.3	83	2.6	16	63	48	133
SPEC21450S03	14.5	65	2.6	16	45	48	115
SPEC21450S05	14.5	83	2.6	16	63	48	133
SPEC21480S03	14.8	65	2.7	16	45	48	115
SPEC21480S05	14.8	83	2.7	16	63	48	133
SPEC21500S03	15	65	2.7	16	45	48	115
SPEC21500S05	15	83	2.7	16	63	48	133
SPEC21510S03	15.1	65	2.7	16	45	48	115
SPEC21510S05	15.1	83	2.7	16	63	48	133

SPEC 20 series

適用材質 Material

合金鋼
Alloy Steel碳 鋼
Carbon Steel不 鏽 鋼
Stainless steel

產品型號 Model No	切削直徑 Diameter of Cutting DC	排屑槽長度 Length Of Cutting Flute LCF	頂端至肩部尺寸差 Length Of Tool Head PL	柄部直徑 Shank DCON	可使用長度 Effective Length LU	刀柄長度 Length Of Shank LS	全長 Total Length OAL
SPEC21550S03	15.5	65	2.8	16	45	48	115
SPEC21550S05	15.5	83	2.8	16	63	48	133
SPEC21580S03	15.8	65	2.9	16	45	48	115
SPEC21580S05	15.8	83	2.9	16	63	48	133
SPEC21600S03	16	65	2.9	16	45	48	115
SPEC21600S05	16	83	2.9	16	63	48	133
SPEC21650S03	16.5	73	3	18	51	48	123
SPEC21650S05	16.5	93	3	18	71	48	143
SPEC21680S03	16.8	73	3.1	18	51	48	123
SPEC21680S05	16.8	93	3.1	18	71	48	143
SPEC21700S03	17	73	3.1	18	51	48	123
SPEC21700S05	17	93	3.1	18	71	48	143
SPEC21750S03	17.5	73	3.2	18	51	48	123
SPEC21750S05	17.5	93	3.2	18	71	48	143
SPEC21780S03	17.8	73	3.2	18	51	48	123
SPEC21780S05	17.8	93	3.2	18	71	48	143
SPEC21790S03	17.9	73	3.3	18	51	48	123
SPEC21790S05	17.9	93	3.3	18	71	48	143
SPEC21800S03	18	73	3.3	18	51	48	123
SPEC21800S05	18	93	3.3	18	71	48	143
SPEC21830S03	18.3	79	3.3	20	55	50	131
SPEC21830S05	18.3	101	3.3	20	77	50	153
SPEC21850S03	18.5	79	3.4	20	55	50	131
SPEC21850S05	18.5	101	3.4	20	77	50	153
SPEC21880S03	18.8	79	3.4	20	55	50	131
SPEC21880S05	18.8	101	3.4	20	77	50	153
SPEC21900S03	19	79	3.5	20	55	50	131
SPEC21900S05	19	101	3.5	20	77	50	153
SPEC21950S03	19.5	79	3.5	20	55	50	131
SPEC21950S05	19.5	101	3.5	20	77	50	153
SPEC21980S03	19.8	79	3.6	20	55	50	131
SPEC21980S05	19.8	101	3.6	20	77	50	153
SPEC22000S03	20	79	3.6	20	55	50	131
SPEC22000S05	20	101	3.6	20	77	50	153

EI20錫鋼平鑽系列

EI20 Carbide Flat Drill Series



全新E300材質

Brand New **E300** Material

高剛性、耐磨耗、耐高溫

High rigidity, excellent wear resistance, and high temperature tolerance.

✓ 適應各式高速CNC銑削加工

Suitable for various high speed CNC milling processes.

特殊材質 Material

合金鋼
Alloy Steel

碳鋼
Carbon Steel

不鏽鋼
Stainless steel

專用

採用德國WALTER 五軸機研磨生產

Produced by German
WALTER five-axis machine

研磨尺寸精準且穩定

Ensures precise and consistent dimensions

✓ 加工不平整表面工件等多用途 穩定性佳、精度高、效能佳

Capable of processing uneven surfaces and suitable for multiple applications. Offers excellent stability, high precision, and reliable performance.

✓ 加工完成後底部可形成平面

After machining, a flat surface can be achieved at the bottom of the workpiece.

尺寸齊全 歡迎詢問

A complete range of sizes is available — feel free to inquire.

錫鋼平鑽系列 EI 20 series

Carbide Flat Drill Series

適用材質 Material

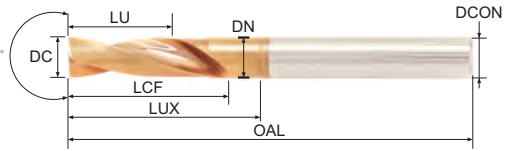
合金鋼 Alloy Steel

碳 鋼 Carbon Steel

不 鏽 鋼 Stainless steel

全新E300材質，高剛性、耐磨耗、耐高溫，抗震性佳，研磨尺寸精準且穩定
適應各式高速CNC銑削加工

- 180°水平排屑，穩定性佳，採用德國WALTER 180°五軸機研磨生產，精度高效能佳，加工完成後底部可形成平面。



產品型號 Model No	切削直徑 Diameter of Cutting DC	頸 徑 Neck Shank DN	柄部直徑 Shank DCON	可使用長度 Effective Length LU	排屑槽長度 Length Of Cutting Flute LCF	刀徑長度 Maximum Depth Of Cut LUX	全長 Total Length OAL
EI20200S02	2	1.9	4	6	8	8.3	50
EI20210S02	2.1	2	4	6.3	8.4	8.7	50
EI20220S02	2.2	2.1	4	6.6	8.8	9.1	50
EI20230S02	2.3	2.2	4	6.9	9.2	9.5	50
EI20240S02	2.4	2.3	4	7.2	9.6	9.9	50
EI20250S02	2.5	2.4	4	7.5	10	10.5	50
EI20260S02	2.6	2.5	4	7.8	10.4	11.1	50
EI20270S02	2.7	2.6	4	8.1	10.8	11.7	50
EI20280S02	2.8	2.7	4	8.4	11.2	12.2	50
EI20290S02	2.9	2.8	4	8.7	11.6	12.8	50
EI20300S02	3	2.9	6	9	12	12.3	50
EI20310S02	3.1	3	6	9.3	12.4	12.7	50
EI20320S02	3.2	3.1	6	9.6	12.8	13.1	50
EI20330S02	3.3	3.2	6	9.9	13.2	13.5	50
EI20340S02	3.4	3.3	6	10.2	13.6	13.9	50
EI20350S02	3.5	3.4	6	10.5	14	14.3	50
EI20360S02	3.6	3.5	6	10.8	14.4	14.9	50
EI20370S02	3.7	3.6	6	11.1	14.8	15.5	50
EI20380S02	3.8	3.7	6	11.4	15.2	16	50
EI20390S02	3.9	3.8	6	11.7	15.6	16.6	50
EI20400S02	4	3.9	6	12	16	17.2	50
EI20410S02	4.1	4	6	12.3	16.4	17.8	60
EI20420S02	4.2	4.1	6	12.6	16.8	18.4	60
EI20430S02	4.3	4.2	6	12.9	17.2	18.9	60
EI20440S02	4.4	4.3	6	13.2	17.6	19.5	60
EI20450S02	4.5	4.4	6	13.5	18	20.1	60
EI20460S02	4.6	4.5	6	13.8	18.4	20.7	60
EI20470S02	4.7	4.6	6	14.1	18.8	21.3	60
EI20480S02	4.8	4.7	6	14.4	19.2	21.8	60
EI20490S02	4.9	4.8	6	14.7	19.6	22.4	60
EI20500S02	5	4.9	6	15	20	23	60
EI20510S02	5.1	5	6	15.3	20.4	23.6	60
EI20520S02	5.2	5.1	6	15.6	20.8	24.2	60
EI20530S02	5.3	5.2	6	15.9	21.2	24.7	60
EI20540S02	5.4	5.3	6	16.2	21.6	25.3	60

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The new E300 material offers high rigidity, excellent wear resistance, high temperature resistance, and superior vibration resistance. Suitable for processing workpieces with uneven surfaces and a variety of applications. Designed for various high-speed CNC milling processes.

- Featuring 180° horizontal chip removal, this drill ensures excellent stability and is manufactured using high precision German WALTER five-axis machines. Dimensional accuracy is guaranteed, and after machining, the bottom surface of the workpiece can be formed flat.

產品型號 Model No	切削直徑 Diameter of Cutting DC	頸 徑 Neck Shank DN	柄部直徑 Shank DCON	可使用長度 Effective Length LU	排屑槽長度 Length Of Cutting Flute LCF	刀徑長度 Maximum Depth Of Cut LUX	全長 Total Length OAL
EI20550S02	5.5	5.4	6	16.5	22	25.9	60
EI20560S02	5.6	5.5	6	16.8	22.4	26.5	60
EI20570S02	5.7	5.6	6	17.1	22.8	27.1	60
EI20580S02	5.8	5.7	6	17.4	23.2	27.6	60
EI20590S02	5.9	5.8	6	17.7	23.6	28.2	60
EI20600S02	6	5.9	6	18	24	28.8	60
EI20604S02	6.04	5.94	8	18.12	24.1	28.8	75
EI20610S02	6.1	6	8	18.3	24.4	27.4	75
EI20620S02	6.2	6.1	8	18.6	24.8	28	75
EI20630S02	6.3	6.2	8	18.9	25.2	28.5	75
EI20640S02	6.4	6.3	8	19.2	25.6	29.1	75
EI20650S02	6.5	6.4	8	19.5	26	29.7	75
EI20660S02	6.6	6.5	8	19.8	26.4	30.3	75
EI20670S02	6.7	6.6	8	20.1	26.8	30.9	75
EI20680S02	6.8	6.7	8	20.4	27.2	31.4	75
EI20690S02	6.9	6.8	8	20.7	27.6	32	75
EI20700S02	7	6.9	8	21	28	32.6	75
EI20710S02	7.1	7	8	21.3	28.4	33.2	75
EI20720S02	7.2	7.1	8	21.6	28.8	33.8	75
EI20730S02	7.3	7.2	8	21.9	29.2	34.3	75
EI20740S02	7.4	7.3	8	22.2	29.6	34.9	75
EI20750S02	7.5	7.4	8	22.5	30	35.5	75
EI20754S02	7.54	7.44	8	22.62	30.1	35.8	75
EI20760S02	7.6	7.5	8	22.8	30.4	36.1	75
EI20770S02	7.7	7.6	8	23.1	30.8	36.7	75
EI20780S02	7.8	7.7	8	23.4	31.2	37.2	75
EI20790S02	7.9	7.8	8	23.7	31.6	37.8	75
EI20800S02	8	7.9	8	24	32	38.4	75
EI20810S02	8.1	8	10	24.3	32.4	37	80
EI20820S02	8.2	8.1	10	24.6	32.8	37.6	80
EI20830S02	8.3	8.2	10	24.9	33.2	38.1	80
EI20840S02	8.4	8.3	10	25.2	33.6	38.7	80
EI20850S02	8.5	8.4	10	25.5	34	39.3	80
EI20860S02	8.6	8.5	10	25.8	34.4	39.9	80
EI20870S02	8.7	8.6	10	26.1	34.8	40.5	80
EI20880S02	8.8	8.7	10	26.4	35.2	41	80

※ 請接下頁。 ※ Continued on next page.

EI 20 series

適用材質 Material

合金鋼
Alloy Steel碳 鋼
Carbon Steel不 鏽 鋼
Stainless steel

產品型號 Model No	切削直徑 Diameter of Cutting DC	頸 徑 Neck Shank DN	柄部直徑 Shank DCON	可使用長度 Effective Length LU	排屑槽長度 Length Of Cutting Flute LCF	刀徑長度 Maximum Depth Of Cut LUX	全長 Total Length OAL
EI20890S02	8.9	8.8	10	26.7	35.6	41.6	80
EI20900S02	9	8.9	10	27	36	42.2	80
EI20910S02	9.1	9	10	27.3	36.4	42.8	80
EI20920S02	9.2	9.1	10	27.6	36.8	43.4	80
EI20930S02	9.3	9.2	10	27.9	37.2	43.9	80
EI20940S02	9.4	9.3	10	28.2	37.6	44.5	80
EI20950S02	9.5	9.4	10	28.5	38	45.1	80
EI20960S02	9.6	9.5	10	28.8	38.4	45.7	80
EI20970S02	9.7	9.6	10	29.1	38.8	46.3	80
EI20980S02	9.8	9.7	10	29.4	39.2	46.8	80
EI20990S02	9.9	9.8	10	29.7	39.6	47.4	80
EI21000S02	10	9.9	10	30	40	48	80
EI21010S02	10.1	10	12	30.3	40.4	46.6	100
EI21020S02	10.2	10.1	12	30.6	40.8	47.2	100
EI21030S02	10.3	10.2	12	30.9	41.2	47.7	100
EI21040S02	10.4	10.3	12	31.2	41.6	48.3	100
EI21050S02	10.5	10.4	12	31.5	42	48.9	100
EI21060S02	10.6	10.5	12	31.8	42.4	49.5	100
EI21070S02	10.7	10.6	12	32.1	42.8	50.1	100
EI21080S02	10.8	10.7	12	32.4	43.2	50.6	100
EI21090S02	10.9	10.8	12	32.7	43.6	51.2	100
EI21100S02	11	10.9	12	33	44	51.8	100
EI21110S02	11.1	11	12	33.3	44.4	52.4	100
EI21120S02	11.2	11.1	12	33.6	44.8	53	100
EI21130S02	11.3	11.2	12	33.9	45.2	53.5	100
EI21140S02	11.4	11.3	12	34.2	45.6	54.1	100
EI21150S02	11.5	11.4	12	34.5	46	54.7	100
EI21160S02	11.6	11.5	12	34.8	46.4	55.3	100
EI21170S02	11.7	11.6	12	35.1	46.8	55.9	100
EI21180S02	11.8	11.7	12	35.4	47.2	56.4	100
EI21190S02	11.9	11.8	12	35.7	47.6	57	100
EI21200S02	12	11.9	12	36	48	57.6	100

RL-SMM30000 series

3 刃右刃左螺旋鎢鋼鉋刀

3 Right Flute Left Helical Carbide Reamer

採用頸徑小於刃徑設計，可進行深孔修磨

The neck diameter is smaller than the flute diameter, making it suitable for deep-hole reaming.

右刃左螺旋對於修磨切痕孔特別具有加工安定性

The right-hand cutting and left-hand helical design provides excellent stability for hole wall machining.

採用8°螺旋角設計利於排屑順暢

The 8° helix angle promotes smooth chip evacuation.

全新M500材質全鎢鋼棒材加上高鋁鈦塗層
適用於合金鋼、不鏽鋼及鑄鐵等材質加工
皆擁有良好的深孔修磨表現

Made from brand-new M500 solid carbide with high-aluminum titanium coating. Suitable for alloy steel, stainless steel, and cast iron, offering excellent performance in deep-hole machining.

適用材質 Material

鋼
Steel

鑄 鐵
Cast Iron

不鏽鋼
Stainless steel

A complete range of sizes is available.

I free to contact us for inquiries.



尺寸齊全 歡迎詢問

鎢鋼鉋刀切削參數

Helical Carbide Reamer Cutting Data

刃數 Flute	直徑 (mm) Shank	P 鋼 Steel		M 不鏽鋼 Stainless Steel		K 鑄 鐵 Cast Iron	
		進給速度 f (mm/rev)	轉速 n (min)	進給速度 f (mm/rev)	轉速 n (min)	進給速度 f (mm/rev)	轉速 n (min)
3	4	120	1200	100	1000	120	1200
	6	80	800	65	650	80	800

3 刃右刃左螺旋鎢鋼鉋刀 RL-SMM30000L1 series

3 Right Flute Left Helical Carbide Reamer

適用材質 Material

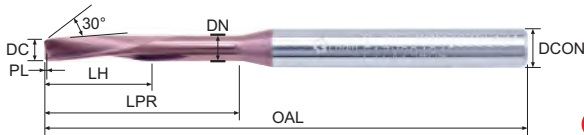


採用頸徑小於刃徑設計，可進行深孔加工，右刃左螺旋對於修磨切痕孔特別具有加工安定性

全新M500材質全鎢鋼棒材加上高鋁鈦塗層，適用於合金鋼、不鏽鋼及鑄鐵等材質，都擁有良好的深孔修磨表現
Neck diameter is smaller than the flute diameter, which is able to grind deep hole machining, right flute left helix particularly has stable processing for grinding the hole wall.

Brand new M500 material full carbide rod, and high-aluminum titanium coating, suitable for alloy steel, stainless steel, cast iron, all have good deep hole grinding performance.

- 採用8°螺旋角設計，利於排屑順暢，尺寸齊全，歡迎詢問。
- The 8° helix angle facilitates smooth chip evacuation. A complete range of sizes is available — feel free to inquire.



產品型號 Model No	切削直徑 Diameter of Cutting DC +0.005 0	頸 徑 Neck Shank DN	頂端至肩部尺寸差 Length Of Tool Head PL	柄部直徑 Shank DCON	刀頭長度 Difference Between Top And Shoulder Size LH	工作懸伸長度 Working Overhang Length LPR	全長 Total Length OAL
RL-SMM30300L126L250E1	3	2.8	0.5	4	26	50	75
RL-SMM30310L126L250E1	3.1	2.9	0.5	4	26	50	75
RL-SMM30320L126L250E1	3.2	3	0.5	4	26	50	75
RL-SMM30330L126L250E1	3.3	3.1	0.5	4	26	50	75
RL-SMM30340L126L250E1	3.4	3.2	0.5	4	26	50	75
RL-SMM30350L126L250E1	3.5	3.3	0.5	4	26	50	75
RL-SMM30360L126L250E1	3.6	3.4	0.5	4	26	50	75
RL-SMM30370L126L250E1	3.7	3.5	0.5	4	26	50	75
RL-SMM30380L126L250E1	3.8	3.6	0.5	4	26	50	75
RL-SMM30390L126L250E1	3.9	3.7	0.5	4	26	50	75
RL-SMM30400L126L250E1	4	3.8	0.5	4	26	50	75
RL-SMM30410L126L250E1	4.1	3.9	0.5	6	26	50	75
RL-SMM30420L126L250E1	4.2	4	0.5	6	26	50	75
RL-SMM30430L126L250E1	4.3	4.1	0.5	6	26	50	75
RL-SMM30440L126L250E1	4.4	4.2	0.5	6	26	50	75
RL-SMM30450L126L250E1	4.5	4.3	0.5	6	26	50	75
RL-SMM30460L126L250E1	4.6	4.4	0.5	6	26	50	75
RL-SMM30470L126L250E1	4.7	4.5	0.5	6	26	50	75
RL-SMM30480L126L250E1	4.8	4.6	0.5	6	26	50	75
RL-SMM30490L126L250E1	4.9	4.7	0.5	6	26	50	75
RL-SMM30500L126L250E1	5	4.9	0.5	6	26	50	75