

益詮切削刀具

ECHAINTOOL Cutting Tools



ECHAIN[®]



台灣精品 2008
TAIWAN EXCELLENCE



設計優良產品
GOOD DESIGN PRODUCT



第22屆小巨人獎
The 22nd King Star Award



第24屆中小企業
創新獎
The 24th Inno Award



住友電工 中國一級代理
Sumitomo Agent in China

鎢鋼鑽頭系列

CARBIDE END DRILL SERIES



Our web



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广东 / 天津 / 重庆 / 武汉 均有办事处

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

ME20系列

鎢鋼鑽頭

識別系統 / 規格圖標指南

Carbide Drill Identification System / Specification Icon Guide

M E C 2 0600 S 03 D4



1 材質 Grade **2 尖端角 Point Angle** **5 加工徑 Processing Shank**

| 記號 Sign | 材質 Grade | 記號 Sign | 材質 Grade |
|---------|----------|---------|----------|
| E | E300 | P | P550 |
| G | G300 | W | W500 |
| M | M500 | | |

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

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

6 刀口型狀 Insert Shape

| 記號 Sign | 用途說明 Directions For Use |
|---------|---|
| 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 倍數 Multiple

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

8 其他 Other

| 記號 Sign | 用途說明 Directions For Use |
|---------|------------------------------|
| A | 小數點柄徑 Decimal Point Of Shank |
| DXX | 特殊柄徑 Special Shank Diameter |
| TXX | 錐度 Taper |
| L1XX | 特殊刃長 Special Flute length |

| 圖標 Icon | 說明 Explanation |
|---------|---|
| | 超微粒子超硬合金 Micro Grain Carbide |
| | 含鈷量12% Cobalt Content 12% |
| | 可被切削材硬度 <55° Working Hardness <55° |
| | AlTiN 塗層 AlTiN Coating |
| | 材質 Grade M500 |
| | 符合DIN6537規範 Comply With DIN6537 Specification |
| | 刃徑公差 Tolerance Of Diameter |
| | 加工深度倍數 Processing Depth Multiple |

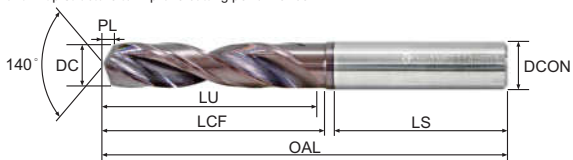


鑽鎢鑽頭 Carbide Drill

ME20 鎢鋼鑽頭 Carbide Drill

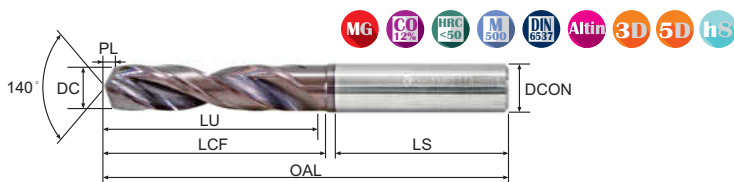


- ◆ 圓棒採用含鈷量12%超微粒硬質合金，高剛性、耐磨耗、耐高溫。
The round bar adopts 12% cobalt content ultra-fine hard alloy, high rigidity, wear resistance, high temperature resistance.
- ◆ 採用全新進口五軸刀具研磨機生產，研磨尺寸精準且穩定。
Produced by a brand-new imported five-axis cutter grinder with precise and stable grinding size.
- ◆ 獨特雙刀帶設計，提升加工穩定性，延長加工使用時間。
Unique double-edged belt design improves processing stability and prolongs processing time.
- ◆ 全新Al-TiN鍍鈦塗層，泛用性廣，可適用：合金鋼、不銹鋼、鑄鐵加工。
The new Al-TiN titanium plating coating has wide versatility and can be applied to: alloy steel, uncast steel, cast iron processing.
- ◆ 鑽尖結構優化設計，提升切削排屑性能。
Optimized design of drill tip structure to improve cutting performance.



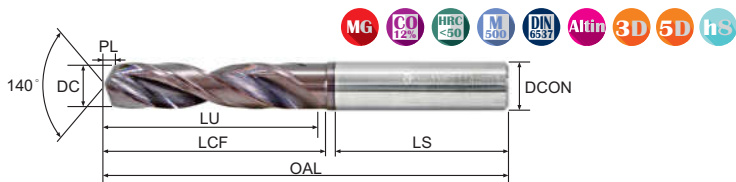
| 產品型號 Model No | 加工徑 DC Processing Shank | 槽長 LCF Length Chip Flute | 鑽孔深度 LU Usable Length | 全長 OAL O.A.L. | 柄長 LS Shank Length | 先端距 PL Point Length | 柄徑 DCON Shank Dia |
|---------------|----------------------------|-----------------------------|--------------------------|------------------|-----------------------|------------------------|----------------------|
| ME20200S03 | 2 | 13 | 9 | 58 | 28 | 0.4 | 4 |
| ME20200S05 | 2 | 18 | 14 | 58 | 28 | 0.4 | 4 |
| ME20210S03 | 2.1 | 13 | 9 | 58 | 28 | 0.4 | 4 |
| ME20210S05 | 2.1 | 18 | 14 | 58 | 28 | 0.4 | 4 |
| ME20220S03 | 2.2 | 13 | 9 | 58 | 28 | 0.5 | 4 |
| ME20220S05 | 2.2 | 18 | 14 | 58 | 28 | 0.5 | 4 |
| ME20230S03 | 2.3 | 13 | 9 | 58 | 28 | 0.4 | 4 |
| ME20230S05 | 2.3 | 18 | 14 | 58 | 28 | 0.4 | 4 |
| ME20240S03 | 2.4 | 17 | 12 | 58 | 28 | 0.4 | 4 |
| ME20240S05 | 2.4 | 22 | 17 | 58 | 28 | 0.4 | 4 |
| ME20250S03 | 2.5 | 17 | 12 | 58 | 28 | 0.5 | 4 |
| ME20250S05 | 2.5 | 22 | 17 | 58 | 28 | 0.5 | 4 |
| ME20255S03 | 2.55 | 17 | 12 | 58 | 28 | 0.5 | 4 |
| ME20260S03 | 2.6 | 17 | 12 | 58 | 28 | 0.5 | 4 |
| ME20260S05 | 2.6 | 22 | 17 | 58 | 28 | 0.5 | 4 |
| ME20270S03 | 2.7 | 17 | 12 | 58 | 28 | 0.5 | 4 |
| ME20270S05 | 2.7 | 22 | 17 | 58 | 28 | 0.5 | 4 |
| ME20280S03 | 2.8 | 17 | 12 | 58 | 28 | 0.5 | 4 |
| ME20280S05 | 2.8 | 22 | 17 | 58 | 28 | 0.5 | 4 |
| ME20290S03 | 2.9 | 17 | 12 | 58 | 28 | 0.5 | 4 |
| ME20290S05 | 2.9 | 22 | 17 | 58 | 28 | 0.5 | 4 |
| ME20300S03D4 | 3 | 20 | 14 | 62 | 36 | 0.5 | 4 |
| ME20300S03 | 3 | 20 | 14 | 62 | 36 | 0.5 | 6 |
| ME20300S05D4 | 3 | 28 | 23 | 66 | 36 | 0.5 | 4 |

鑽錒鑽頭 Carbide Drill



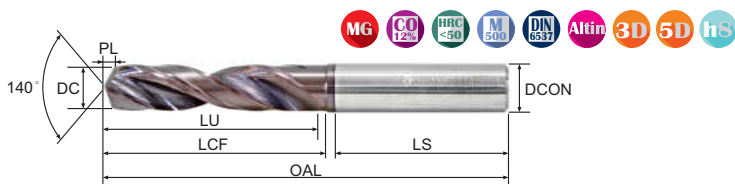
| 產品型號 Model No | 加工徑 DC Processing Shank | 槽長 LCF Length Chip Flute | 鑽孔深度 LU Usable Length | 全長 OAL O.A.L | 柄長 LS Shank Length | 先端距 PL Point Length | 柄徑 DCON Shank Dia |
|---------------|----------------------------|-----------------------------|--------------------------|-----------------|-----------------------|------------------------|----------------------|
| ME20300S05 | 3 | 28 | 23 | 66 | 36 | 0.5 | 6 |
| ME20310S03D4 | 3.1 | 20 | 14 | 62 | 36 | 0.6 | 4 |
| ME20310S03 | 3.1 | 20 | 14 | 62 | 36 | 0.6 | 6 |
| ME20310S05D4 | 3.1 | 28 | 23 | 66 | 36 | 0.6 | 4 |
| ME20310S05 | 3.1 | 28 | 23 | 66 | 36 | 0.6 | 6 |
| ME20320S03D4 | 3.2 | 20 | 14 | 62 | 36 | 0.6 | 4 |
| ME20320S03 | 3.2 | 20 | 14 | 62 | 36 | 0.6 | 6 |
| ME20320S05D4 | 3.2 | 28 | 23 | 66 | 36 | 0.6 | 4 |
| ME20320S05 | 3.2 | 28 | 23 | 66 | 36 | 0.6 | 6 |
| ME20325S03D4 | 3.25 | 20 | 14 | 62 | 36 | 0.6 | 4 |
| ME20325S03 | 3.25 | 20 | 14 | 62 | 36 | 0.6 | 6 |
| ME20330S03D4 | 3.3 | 20 | 14 | 62 | 36 | 0.6 | 4 |
| ME20330S03 | 3.3 | 20 | 14 | 62 | 36 | 0.6 | 6 |
| ME20330S05D4 | 3.3 | 28 | 23 | 66 | 36 | 0.6 | 4 |
| ME20330S05 | 3.3 | 28 | 23 | 66 | 36 | 0.6 | 6 |
| ME20340S03D4 | 3.4 | 20 | 14 | 62 | 36 | 0.6 | 4 |
| ME20340S03 | 3.4 | 20 | 14 | 62 | 36 | 0.6 | 6 |
| ME20340S05D4 | 3.4 | 28 | 23 | 66 | 36 | 0.6 | 4 |
| ME20340S05 | 3.4 | 28 | 23 | 66 | 36 | 0.6 | 6 |
| ME20350S03D4 | 3.5 | 20 | 14 | 62 | 36 | 0.6 | 4 |
| ME20350S03 | 3.5 | 20 | 14 | 62 | 36 | 0.6 | 6 |
| ME20350S05D4 | 3.5 | 28 | 23 | 66 | 36 | 0.6 | 4 |
| ME20350S05 | 3.5 | 28 | 23 | 66 | 36 | 0.6 | 6 |
| ME20360S03D4 | 3.6 | 20 | 14 | 62 | 36 | 0.7 | 4 |
| ME20360S03 | 3.6 | 20 | 14 | 62 | 36 | 0.7 | 6 |
| ME20360S05D4 | 3.6 | 28 | 23 | 66 | 36 | 0.7 | 4 |
| ME20360S05 | 3.6 | 28 | 23 | 66 | 36 | 0.7 | 6 |
| ME20370S03D4 | 3.7 | 20 | 14 | 62 | 36 | 0.7 | 4 |
| ME20370S03 | 3.7 | 20 | 14 | 62 | 36 | 0.7 | 6 |
| ME20370S05D4 | 3.7 | 28 | 23 | 66 | 36 | 0.7 | 4 |
| ME20370S05 | 3.7 | 28 | 23 | 66 | 36 | 0.7 | 6 |

鑽鎢鑽頭 Carbide Drill



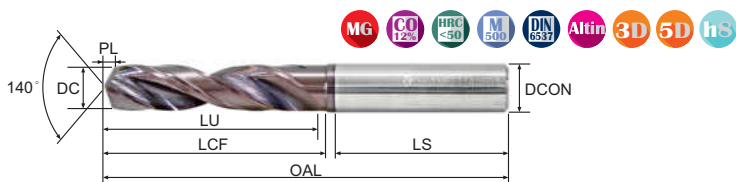
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|---------------|----------------------------|-----------------------------|--------------------------|-----------------|-----------------------|------------------------|----------------------|
| ME20380S03D4 | 3.8 | 24 | 17 | 62 | 36 | 0.7 | 4 |
| ME20380S03 | 3.8 | 24 | 17 | 62 | 36 | 0.7 | 6 |
| ME20380S05D4 | 3.8 | 36 | 29 | 74 | 36 | 0.7 | 4 |
| ME20380S05 | 3.8 | 36 | 29 | 74 | 36 | 0.7 | 6 |
| ME20390S03D4 | 3.9 | 24 | 17 | 66 | 36 | 0.7 | 4 |
| ME20390S03 | 3.9 | 24 | 17 | 66 | 36 | 0.7 | 6 |
| ME20390S05D4 | 3.9 | 36 | 29 | 74 | 36 | 0.7 | 4 |
| ME20390S05 | 3.9 | 36 | 29 | 74 | 36 | 0.7 | 6 |
| ME20400S03D4 | 4 | 24 | 17 | 66 | 36 | 0.7 | 4 |
| ME20400S03 | 4 | 24 | 17 | 66 | 36 | 0.7 | 6 |
| ME20400S05D4 | 4 | 36 | 29 | 74 | 36 | 0.7 | 4 |
| ME20400S05 | 4 | 36 | 29 | 74 | 36 | 0.7 | 6 |
| ME20410S03 | 4.1 | 24 | 17 | 66 | 36 | 0.7 | 6 |
| ME20410S05 | 4.1 | 36 | 29 | 74 | 36 | 0.7 | 6 |
| ME20420S03 | 4.2 | 24 | 17 | 66 | 36 | 0.8 | 6 |
| ME20420S05 | 4.2 | 36 | 29 | 74 | 36 | 0.8 | 6 |
| ME20430S03 | 4.3 | 24 | 17 | 66 | 36 | 0.8 | 6 |
| ME20430S05 | 4.3 | 36 | 29 | 74 | 36 | 0.8 | 6 |
| ME20440S03 | 4.4 | 24 | 17 | 66 | 36 | 0.8 | 6 |
| ME20440S05 | 4.4 | 36 | 29 | 74 | 36 | 0.8 | 6 |
| ME20450S03 | 4.5 | 24 | 17 | 66 | 36 | 0.8 | 6 |
| ME20450S05 | 4.5 | 36 | 29 | 74 | 36 | 0.8 | 6 |
| ME20460S03 | 4.6 | 24 | 17 | 66 | 36 | 0.8 | 6 |
| ME20460S05 | 4.6 | 36 | 29 | 74 | 36 | 0.8 | 6 |
| ME20470S03 | 4.7 | 24 | 17 | 66 | 36 | 0.9 | 6 |
| ME20470S05 | 4.7 | 36 | 29 | 74 | 36 | 0.9 | 6 |
| ME20480S03 | 4.8 | 28 | 20 | 66 | 36 | 0.9 | 6 |
| ME20480S05 | 4.8 | 44 | 35 | 82 | 36 | 0.9 | 6 |
| ME20490S03 | 4.9 | 28 | 20 | 66 | 36 | 0.9 | 6 |
| ME20490S05 | 4.9 | 44 | 35 | 82 | 36 | 0.9 | 6 |
| ME20500S03 | 5 | 28 | 20 | 66 | 36 | 0.9 | 6 |

鑽鎢鑽頭 Carbide Drill



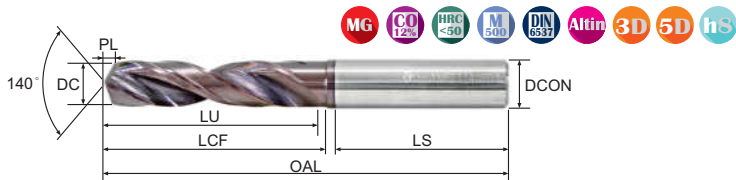
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|---------------|----------------------------|-----------------------------|--------------------------|-----------------|-----------------------|------------------------|----------------------|
| ME20500S05 | 5 | 44 | 35 | 82 | 36 | 0.9 | 6 |
| ME20510S03 | 5.1 | 28 | 20 | 66 | 36 | 0.9 | 6 |
| ME20510S05 | 5.1 | 44 | 35 | 82 | 36 | 0.9 | 6 |
| ME20520S03 | 5.2 | 28 | 20 | 66 | 36 | 0.9 | 6 |
| ME20520S05 | 5.2 | 44 | 35 | 82 | 36 | 0.9 | 6 |
| ME20530S03 | 5.3 | 28 | 20 | 66 | 36 | 1 | 6 |
| ME20530S05 | 5.3 | 44 | 35 | 82 | 36 | 1 | 6 |
| ME20540S03 | 5.4 | 28 | 20 | 66 | 36 | 1 | 6 |
| ME20540S05 | 5.4 | 44 | 35 | 82 | 36 | 1 | 6 |
| ME20550S03 | 5.5 | 28 | 20 | 66 | 36 | 1 | 6 |
| ME20550S05 | 5.5 | 44 | 35 | 82 | 36 | 1 | 6 |
| ME20560S03 | 5.6 | 28 | 20 | 66 | 36 | 1 | 6 |
| ME20560S05 | 5.6 | 44 | 35 | 82 | 36 | 1 | 6 |
| ME20570S03 | 5.7 | 28 | 20 | 66 | 36 | 1 | 6 |
| ME20570S05 | 5.7 | 44 | 35 | 82 | 36 | 1 | 6 |
| ME20580S03 | 5.8 | 28 | 20 | 66 | 36 | 1.1 | 6 |
| ME20580S05 | 5.8 | 44 | 35 | 82 | 36 | 1.1 | 6 |
| ME20590S03 | 5.9 | 28 | 20 | 66 | 36 | 1.1 | 6 |
| ME20590S05 | 5.9 | 44 | 35 | 82 | 36 | 1.1 | 6 |
| ME20600S03 | 6 | 28 | 20 | 66 | 36 | 1.1 | 6 |
| ME20600S05 | 6 | 44 | 35 | 82 | 36 | 1.1 | 6 |
| ME20610S03 | 6.1 | 34 | 24 | 79 | 36 | 1.1 | 8 |
| ME20610S05 | 6.1 | 53 | 43 | 91 | 36 | 1.1 | 8 |
| ME20620S03 | 6.2 | 34 | 24 | 79 | 36 | 1.1 | 8 |
| ME20620S05 | 6.2 | 53 | 43 | 91 | 36 | 1.1 | 8 |
| ME20630S03 | 6.3 | 34 | 24 | 79 | 36 | 1.1 | 8 |
| ME20630S05 | 6.3 | 53 | 43 | 91 | 36 | 1.1 | 8 |
| ME20640S03 | 6.4 | 34 | 24 | 79 | 36 | 1.2 | 8 |
| ME20640S05 | 6.4 | 53 | 43 | 91 | 36 | 1.2 | 8 |
| ME20650S03 | 6.5 | 34 | 24 | 79 | 36 | 1.2 | 8 |
| ME20650S05 | 6.5 | 53 | 43 | 91 | 36 | 1.2 | 8 |

鑽鎢鑽頭 Carbide Drill



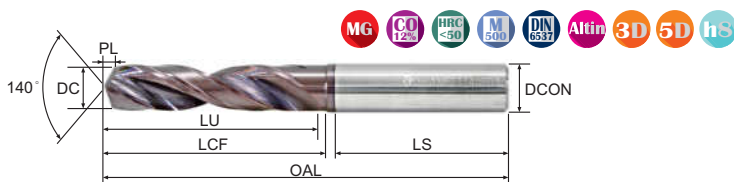
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|---------------|----------------------------|-----------------------------|--------------------------|-----------------|-----------------------|------------------------|----------------------|
| ME20660S03 | 6.6 | 34 | 24 | 79 | 36 | 1.2 | 8 |
| ME20660S05 | 6.6 | 53 | 43 | 91 | 36 | 1.2 | 8 |
| ME20670S03 | 6.7 | 34 | 24 | 79 | 36 | 1.2 | 8 |
| ME20670S05 | 6.7 | 53 | 43 | 91 | 36 | 1.2 | 8 |
| ME20680S03 | 6.8 | 34 | 24 | 79 | 36 | 1.2 | 8 |
| ME20680S05 | 6.8 | 53 | 43 | 91 | 36 | 1.2 | 8 |
| ME20690S03 | 6.9 | 34 | 24 | 79 | 36 | 1.3 | 8 |
| ME20690S05 | 6.9 | 53 | 43 | 91 | 36 | 1.3 | 8 |
| ME20700S03 | 7 | 34 | 24 | 79 | 36 | 1.3 | 8 |
| ME20700S05 | 7 | 53 | 43 | 91 | 36 | 1.3 | 8 |
| ME20710S03 | 7.1 | 41 | 29 | 79 | 36 | 1.3 | 8 |
| ME20710S05 | 7.1 | 53 | 43 | 91 | 36 | 1.3 | 8 |
| ME20720S03 | 7.2 | 41 | 29 | 79 | 36 | 1.3 | 8 |
| ME20720S05 | 7.2 | 53 | 43 | 91 | 36 | 1.3 | 8 |
| ME20730S03 | 7.3 | 41 | 29 | 79 | 36 | 1.3 | 8 |
| ME20730S05 | 7.3 | 53 | 43 | 91 | 36 | 1.3 | 8 |
| ME20740S03 | 7.4 | 41 | 29 | 79 | 36 | 1.3 | 8 |
| ME20740S05 | 7.4 | 53 | 43 | 91 | 36 | 1.3 | 8 |
| ME20750S03 | 7.5 | 41 | 29 | 79 | 36 | 1.4 | 8 |
| ME20750S05 | 7.5 | 53 | 43 | 91 | 36 | 1.4 | 8 |
| ME20760S03 | 7.6 | 41 | 29 | 79 | 36 | 1.4 | 8 |
| ME20760S05 | 7.6 | 53 | 43 | 91 | 36 | 1.4 | 8 |
| ME20770S03 | 7.7 | 41 | 29 | 79 | 36 | 1.4 | 8 |
| ME20770S05 | 7.7 | 53 | 43 | 91 | 36 | 1.4 | 8 |
| ME20780S03 | 7.8 | 41 | 29 | 79 | 36 | 1.4 | 8 |
| ME20780S05 | 7.8 | 53 | 43 | 91 | 36 | 1.4 | 8 |
| ME20790S03 | 7.9 | 41 | 29 | 79 | 36 | 1.4 | 8 |
| ME20790S05 | 7.9 | 53 | 43 | 91 | 36 | 1.4 | 8 |
| ME20800S03 | 8 | 41 | 29 | 79 | 36 | 1.5 | 8 |
| ME20800S05 | 8 | 53 | 43 | 91 | 36 | 1.5 | 8 |
| ME20810S03 | 8.1 | 47 | 35 | 89 | 40 | 1.5 | 10 |

鑽錐鑽頭 Carbide Drill



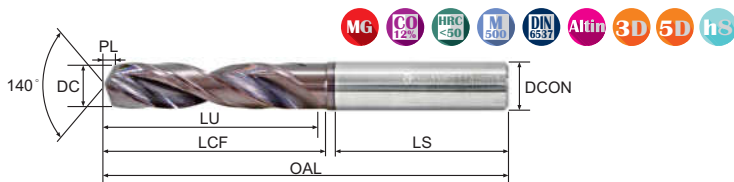
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|---------------|----------------------------|-----------------------------|--------------------------|-----------------|-----------------------|------------------------|----------------------|
| ME20810S05 | 8.1 | 61 | 49 | 103 | 40 | 1.5 | 10 |
| ME20820S03 | 8.2 | 47 | 35 | 89 | 40 | 1.5 | 10 |
| ME20820S05 | 8.2 | 61 | 49 | 103 | 40 | 1.5 | 10 |
| ME20830S03 | 8.3 | 47 | 35 | 89 | 40 | 1.5 | 10 |
| ME20830S05 | 8.3 | 61 | 49 | 103 | 40 | 1.5 | 10 |
| ME20840S03 | 8.4 | 47 | 35 | 89 | 40 | 1.5 | 10 |
| ME20840S05 | 8.4 | 61 | 49 | 103 | 40 | 1.5 | 10 |
| ME20850S03 | 8.5 | 47 | 35 | 89 | 40 | 1.5 | 10 |
| ME20850S05 | 8.5 | 61 | 49 | 103 | 40 | 1.5 | 10 |
| ME20860S03 | 8.6 | 47 | 35 | 89 | 40 | 1.6 | 10 |
| ME20860S05 | 8.6 | 61 | 49 | 103 | 40 | 1.6 | 10 |
| ME20870S03 | 8.7 | 47 | 35 | 89 | 40 | 1.6 | 10 |
| ME20870S05 | 8.7 | 61 | 49 | 103 | 40 | 1.6 | 10 |
| ME20880S03 | 8.8 | 47 | 35 | 89 | 40 | 1.6 | 10 |
| ME20880S05 | 8.8 | 61 | 49 | 103 | 40 | 1.6 | 10 |
| ME20890S03 | 8.9 | 47 | 35 | 89 | 40 | 1.6 | 10 |
| ME20890S05 | 8.9 | 61 | 49 | 103 | 40 | 1.6 | 10 |
| ME20900S03 | 9 | 47 | 35 | 89 | 40 | 1.6 | 10 |
| ME20900S05 | 9 | 61 | 49 | 103 | 40 | 1.6 | 10 |
| ME20910S03 | 9.1 | 47 | 35 | 89 | 40 | 1.7 | 10 |
| ME20910S05 | 9.1 | 61 | 49 | 103 | 40 | 1.7 | 10 |
| ME20920S03 | 9.2 | 47 | 35 | 89 | 40 | 1.7 | 10 |
| ME20920S05 | 9.2 | 61 | 49 | 103 | 40 | 1.7 | 10 |
| ME20930S03 | 9.3 | 47 | 35 | 89 | 40 | 1.7 | 10 |
| ME20930S05 | 9.3 | 61 | 49 | 103 | 40 | 1.7 | 10 |
| ME20940S03 | 9.4 | 47 | 35 | 89 | 40 | 1.7 | 10 |
| ME20940S05 | 9.4 | 61 | 49 | 103 | 40 | 1.7 | 10 |
| ME20950S03 | 9.5 | 47 | 35 | 89 | 40 | 1.7 | 10 |
| ME20950S05 | 9.5 | 61 | 49 | 103 | 40 | 1.7 | 10 |
| ME20960S03 | 9.6 | 47 | 35 | 89 | 40 | 1.7 | 10 |
| ME20960S05 | 9.6 | 61 | 49 | 103 | 40 | 1.7 | 10 |

鑽鎢鑽頭 Carbide Drill



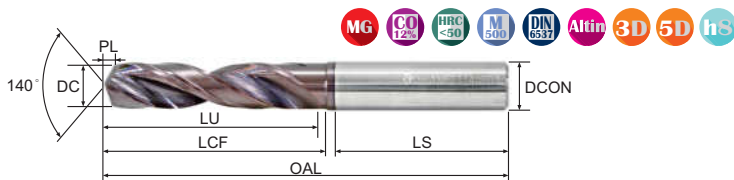
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|---------------|----------------------------|-----------------------------|--------------------------|-----------------|-----------------------|------------------------|----------------------|
| ME20970S03 | 9.7 | 47 | 35 | 89 | 40 | 1.8 | 10 |
| ME20970S05 | 9.7 | 61 | 49 | 103 | 40 | 1.8 | 10 |
| ME20980S03 | 9.8 | 47 | 35 | 89 | 40 | 1.8 | 10 |
| ME20980S05 | 9.8 | 61 | 49 | 103 | 40 | 1.8 | 10 |
| ME20990S03 | 9.9 | 47 | 35 | 89 | 40 | 1.8 | 10 |
| ME20990S05 | 9.9 | 61 | 49 | 103 | 40 | 1.8 | 10 |
| ME21000S03 | 10 | 47 | 35 | 89 | 40 | 1.8 | 10 |
| ME21000S05 | 10 | 61 | 49 | 103 | 40 | 1.8 | 10 |
| ME21010S03 | 10.1 | 55 | 40 | 102 | 45 | 1.8 | 12 |
| ME21010S05 | 10.1 | 71 | 56 | 118 | 45 | 1.8 | 12 |
| ME21020S03 | 10.2 | 55 | 40 | 102 | 45 | 1.9 | 12 |
| ME21020S05 | 10.2 | 71 | 56 | 118 | 45 | 1.9 | 12 |
| ME21030S03 | 10.3 | 55 | 40 | 102 | 45 | 1.9 | 12 |
| ME21030S05 | 10.3 | 71 | 56 | 118 | 45 | 1.9 | 12 |
| ME21040S03 | 10.4 | 55 | 40 | 102 | 45 | 1.9 | 12 |
| ME21040S05 | 10.4 | 71 | 56 | 118 | 45 | 1.9 | 12 |
| ME21050S03 | 10.5 | 55 | 40 | 102 | 45 | 1.9 | 12 |
| ME21050S05 | 10.5 | 71 | 56 | 118 | 45 | 1.9 | 12 |
| ME21060S03 | 10.6 | 55 | 40 | 102 | 45 | 1.9 | 12 |
| ME21060S05 | 10.6 | 71 | 56 | 118 | 45 | 1.9 | 12 |
| ME21070S03 | 10.7 | 55 | 40 | 102 | 45 | 1.9 | 12 |
| ME21070S05 | 10.7 | 71 | 56 | 118 | 45 | 1.9 | 12 |
| ME21080S03 | 10.8 | 55 | 40 | 102 | 45 | 2 | 12 |
| ME21080S05 | 10.8 | 71 | 56 | 118 | 45 | 2 | 12 |
| ME21090S03 | 10.9 | 55 | 40 | 102 | 45 | 2 | 12 |
| ME21090S05 | 10.9 | 71 | 56 | 118 | 45 | 2 | 12 |
| ME21100S03 | 11 | 55 | 40 | 102 | 45 | 2 | 12 |
| ME21100S05 | 11 | 71 | 56 | 118 | 45 | 2 | 12 |
| ME21110S03 | 11.1 | 55 | 40 | 102 | 45 | 2 | 12 |
| ME21110S05 | 11.1 | 71 | 56 | 118 | 45 | 2 | 12 |
| ME21120S03 | 11.2 | 55 | 40 | 102 | 45 | 2 | 12 |

鑽鎢鑽頭 Carbide Drill



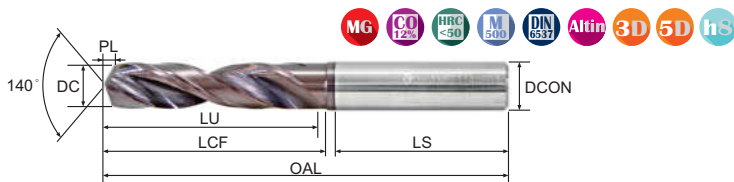
| 產品型號 Model No | 加工徑 DC Processing Shank | 槽長 LCF Length Chip Flute | 鑽孔深度 LU Usable Length | 全長 OAL O.A.L | 柄長 LS Shank Length | 先端距 PL Point Length | 柄徑 DCON Shank Dia |
|---------------|----------------------------|-----------------------------|--------------------------|-----------------|-----------------------|------------------------|----------------------|
| ME21120S05 | 11.2 | 71 | 56 | 118 | 45 | 2 | 12 |
| ME21130S03 | 11.3 | 55 | 40 | 102 | 45 | 2.1 | 12 |
| ME21130S05 | 11.3 | 71 | 56 | 118 | 45 | 2.1 | 12 |
| ME21140S03 | 11.4 | 55 | 40 | 102 | 45 | 2.1 | 12 |
| ME21140S05 | 11.4 | 71 | 56 | 118 | 45 | 2.1 | 12 |
| ME21150S03 | 11.5 | 55 | 40 | 102 | 45 | 2.1 | 12 |
| ME21150S05 | 11.5 | 71 | 56 | 118 | 45 | 2.1 | 12 |
| ME21160S03 | 11.6 | 55 | 40 | 102 | 45 | 2.1 | 12 |
| ME21160S05 | 11.6 | 71 | 56 | 118 | 45 | 2.1 | 12 |
| ME21170S03 | 11.7 | 55 | 40 | 102 | 45 | 2.1 | 12 |
| ME21170S05 | 11.7 | 71 | 55 | 118 | 45 | 2.1 | 12 |
| ME21180S03 | 11.8 | 55 | 40 | 102 | 45 | 2.1 | 12 |
| ME21180S05 | 11.8 | 71 | 56 | 118 | 45 | 2.1 | 12 |
| ME21190S03 | 11.9 | 55 | 40 | 102 | 45 | 2.2 | 12 |
| ME21190S05 | 11.9 | 71 | 56 | 118 | 45 | 2.2 | 12 |
| ME21200S03 | 12 | 55 | 40 | 102 | 45 | 2.2 | 12 |
| ME21200S05 | 12 | 71 | 56 | 118 | 45 | 2.2 | 12 |
| ME21210S03 | 12.1 | 60 | 43 | 107 | 45 | 2.2 | 14 |
| ME21210S05 | 12.1 | 77 | 60 | 124 | 45 | 2.2 | 14 |
| ME21220S03 | 12.2 | 60 | 43 | 107 | 45 | 2.2 | 14 |
| ME21220S05 | 12.2 | 77 | 60 | 124 | 45 | 2.2 | 14 |
| ME21230S03 | 12.3 | 60 | 43 | 107 | 45 | 2.2 | 14 |
| ME21230S05 | 12.3 | 77 | 60 | 124 | 45 | 2.2 | 14 |
| ME21250S03 | 12.5 | 60 | 43 | 107 | 45 | 2.3 | 14 |
| ME21250S05 | 12.5 | 77 | 60 | 124 | 45 | 2.3 | 14 |
| ME21270S03 | 12.7 | 60 | 43 | 107 | 45 | 2.3 | 14 |
| ME21270S05 | 12.7 | 77 | 60 | 124 | 45 | 2.3 | 14 |
| ME21280S03 | 12.8 | 60 | 43 | 107 | 45 | 2.3 | 14 |
| ME21280S05 | 12.8 | 77 | 60 | 124 | 45 | 2.3 | 14 |
| ME21290S03 | 12.9 | 60 | 43 | 107 | 45 | 2.3 | 14 |
| ME21290S05 | 12.9 | 77 | 60 | 124 | 45 | 2.3 | 14 |

鑽鎢鑽頭 Carbide Drill



| 產品型號 Model No | 加工徑 DC Processing Shank | 槽長 LCF Length Chip Flute | 鑽孔深度 LU Usable Length | 全長 OAL O.A.L. | 柄長 LS Shank Length | 先端距 PL Point Length | 柄徑 DCON Shank Dia |
|---------------|----------------------------|-----------------------------|--------------------------|------------------|-----------------------|------------------------|----------------------|
| ME21300S03 | 13 | 60 | 43 | 107 | 45 | 2.4 | 14 |
| ME21300S05 | 13 | 77 | 60 | 124 | 45 | 2.4 | 14 |
| ME21310S03 | 13.1 | 60 | 43 | 107 | 45 | 2.4 | 14 |
| ME21310S05 | 13.1 | 77 | 60 | 124 | 45 | 2.4 | 14 |
| ME21350S03 | 13.5 | 60 | 43 | 107 | 45 | 2.5 | 14 |
| ME21350S05 | 13.5 | 77 | 60 | 124 | 45 | 2.5 | 14 |
| ME21380S03 | 13.8 | 60 | 43 | 107 | 45 | 2.5 | 14 |
| ME21380S05 | 13.8 | 77 | 60 | 124 | 45 | 2.5 | 14 |
| ME21400S03 | 14 | 65 | 45 | 115 | 45 | 2.5 | 14 |
| ME21400S05 | 14 | 83 | 63 | 133 | 45 | 2.5 | 14 |
| ME21430S03 | 14.3 | 65 | 45 | 115 | 48 | 2.6 | 16 |
| ME21430S05 | 14.3 | 83 | 63 | 133 | 48 | 2.6 | 16 |
| ME21450S03 | 14.5 | 65 | 45 | 115 | 48 | 2.6 | 16 |
| ME21450S05 | 14.5 | 83 | 63 | 133 | 48 | 2.6 | 16 |
| ME21480S03 | 14.8 | 65 | 45 | 115 | 48 | 2.7 | 16 |
| ME21480S05 | 14.8 | 83 | 63 | 133 | 48 | 2.7 | 16 |
| ME21500S03 | 15 | 65 | 45 | 115 | 48 | 2.7 | 16 |
| ME21500S05 | 15 | 83 | 63 | 133 | 48 | 2.7 | 16 |
| ME21510S03 | 15.1 | 65 | 45 | 115 | 48 | 2.7 | 16 |
| ME21510S05 | 15.1 | 83 | 63 | 133 | 48 | 2.7 | 16 |
| ME21550S03 | 15.5 | 65 | 45 | 115 | 48 | 2.8 | 16 |
| ME21550S05 | 15.5 | 83 | 63 | 133 | 48 | 2.8 | 16 |
| ME21580S03 | 15.8 | 65 | 45 | 115 | 48 | 2.9 | 16 |
| ME21580S05 | 15.8 | 83 | 63 | 133 | 48 | 2.9 | 16 |
| ME21600S03 | 16 | 65 | 45 | 115 | 48 | 2.9 | 16 |
| ME21600S05 | 16 | 83 | 63 | 133 | 48 | 2.9 | 16 |
| ME21650S03 | 16.5 | 73 | 51 | 123 | 48 | 3 | 18 |
| ME21650S05 | 16.5 | 93 | 71 | 143 | 48 | 3 | 18 |
| ME21680S03 | 16.8 | 73 | 51 | 123 | 48 | 3.1 | 18 |
| ME21680S05 | 16.8 | 93 | 71 | 143 | 48 | 3.1 | 18 |
| ME21700S03 | 17 | 73 | 51 | 123 | 48 | 3.1 | 18 |

鑽鎢鑽頭 Carbide Drill



| 產品型號 Model No | 加工徑 DC Processing Shank | 槽長 LCF Length Chip Flute | 鑽孔深度 LU Usable Length | 全長 OAL O.A.L | 柄長 LS Shank Length | 先端距 PL Point Length | 柄徑 DCON Shank Dia |
|---------------|----------------------------|-----------------------------|--------------------------|-----------------|-----------------------|------------------------|----------------------|
| ME21700S05 | 17 | 93 | 71 | 143 | 48 | 3.1 | 18 |
| ME21750S03 | 17.5 | 73 | 51 | 123 | 48 | 3.2 | 18 |
| ME21750S05 | 17.5 | 93 | 71 | 143 | 48 | 3.2 | 18 |
| ME21780S03 | 17.8 | 73 | 51 | 123 | 48 | 3.2 | 18 |
| ME21780S05 | 17.8 | 93 | 71 | 143 | 48 | 3.2 | 18 |
| ME21790S03 | 17.9 | 73 | 51 | 123 | 48 | 3.3 | 18 |
| ME21790S05 | 17.9 | 93 | 71 | 143 | 48 | 3.3 | 18 |
| ME21800S03 | 18 | 73 | 51 | 123 | 48 | 3.3 | 18 |
| ME21800S05 | 18 | 93 | 71 | 143 | 48 | 3.3 | 18 |
| ME21830S03 | 18.3 | 79 | 55 | 131 | 50 | 3.3 | 20 |
| ME21830S05 | 18.3 | 101 | 77 | 153 | 50 | 3.3 | 20 |
| ME21850S03 | 18.5 | 79 | 55 | 131 | 50 | 3.4 | 20 |
| ME21850S05 | 18.5 | 101 | 77 | 153 | 50 | 3.4 | 20 |
| ME21880S03 | 18.8 | 79 | 55 | 131 | 50 | 3.4 | 20 |
| ME21880S05 | 18.8 | 101 | 77 | 153 | 50 | 3.4 | 20 |
| ME21900S03 | 19 | 79 | 55 | 131 | 50 | 3.5 | 20 |
| ME21900S05 | 19 | 101 | 77 | 153 | 50 | 3.5 | 20 |
| ME21950S03 | 19.5 | 79 | 55 | 131 | 50 | 3.5 | 20 |
| ME21950S05 | 19.5 | 101 | 77 | 153 | 50 | 3.5 | 20 |
| ME21980S03 | 19.8 | 79 | 55 | 131 | 50 | 3.6 | 20 |
| ME21980S05 | 19.8 | 101 | 77 | 153 | 50 | 3.6 | 20 |
| ME22000S03 | 20 | 79 | 55 | 131 | 50 | 3.6 | 20 |
| ME22000S05 | 20 | 101 | 77 | 153 | 50 | 3.6 | 20 |

鎢鋼鑽頭切削參數 The Cutting Data For Carbide Drill Series

被加工材質：合金鋼、不銹鋼、鑄鐵
Material: Alloy Steel、Stainless steel、Iron cast

| 直徑 (mm) Shank | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 14 | 16 | 20 |
|------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| P 進給速度 Vf (mm/min) | 0.06 | 0.08 | 0.1 | 0.14 | 0.15 | 0.16 | 0.18 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| K 轉速 f (min) | 6300 | 4200 | 3200 | 2600 | 2100 | 1800 | 1600 | 1400 | 1300 | 1150 | 1100 | 900 | 800 | 650 |
| M 進給速度 Vf (mm/min) | 0.04 | 0.07 | 0.07 | 0.1 | 0.1 | 0.12 | 0.14 | 0.14 | 0.14 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 |
| 轉速 f (min) | 4800 | 3200 | 2400 | 1900 | 1600 | 1400 | 1200 | 1100 | 950 | 870 | 800 | 680 | 600 | 480 |