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鎢鋼端銑刀 Carbide End Mill



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◎平刀系列 Square Type Series

S-EMM 2000	B17
S-EMML 2000L2	B18—B19
S-OGM 2000	B20—B21
EMM 2000	B22—B24
EMM 2000L1	B25—B28
EMM 2000T00	B29
EMM 3000	B30
EMM 4000	B31—B32
EMM 4000L1	B33—B34
EPM 2000	B35—B36
EPM 3000	B37
EPM 4000	B38—B39
GMM 3000	B40
GMM 4000	B41—B42
GMM 6000	B43
GPM 6000	B44
MU-EMM 4000	B45—B46
MU-GMM 4000	B47—B51
MU-GPM 4000	B52—B53
MU2-GPM 4000	B54—B55
MUH-FMM 4000	B56
MUH-FPM 4000	B57
MUH-GMM 4000	B58
MUH-IMM 4000	B59—B60
MUH-IMM 4000-DIN	B61

MUH-IPM 3000L1	B62
MUH-IPM 4000	B63—B64
MUH-IGM 4000	B65
MUH-IEM 4000	B66
MUH-IYM 4000	B67—B68
LUH-IMM 4000	B69
MMH-LMM 4000	B70
MMH-LPM 4000	B71
FM-CMM 4000	B72
RM-CMM 4000	B73
CFM-CWM	B74

◎球頭刀系列 Ball Nose Type Series

S-EMB 2000	B75
S-EMB 2000L2	B76
S-EPB 2000	B77
EMB 2000	B78—B80
EMB 2000L2	B81—B82
EMB 4000	B83—B84
EWB 2000	B85
EPB 2000	B86
EPB 4000	B87
EEB 2000	B88
DMB 2000	B89
DWB 2000L2	B90
DPB 2000	B91

◎酒桶刀系列 Barrel Tungsten Series

PA-DPB	B92
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◎內R角刀系列 Inner R Series

EPU 4000L1	B93
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鎢鋼端銑刀 Carbide End Mill



◎圓鼻刀系列 Corner Radius Type Series

DMR 2000R00	B94—B95
DMR 2000R00L2	B96
DMR 4000R00	B97—B99
DPR 4000R00	B100
GPR 6000R00	B101
PH-FMR 4000R00	B102
PH-FPR 4000R00	B103—B104
PH-FER 4000R00	B105
PH-FPC 4000C00	B106
SUH-FMR 4000R00-DIN	B107—B108
SUH-FYR 4000R00	B109

◎倒角刀系列 Chamfer Type Series

CC-AMC	B111
CR-AMC	B112
DT-DMC 2000	B113
DC-DMC 2000	B114
DR-DMC 2000	B115
DC-DWC 2000	B116
DR-DWC 2000	B117
DC-DPC 2000	B118
DC-DMM 2000	B119
DR-DMM 2000	B120
DCC-AMC-DIN	B121
DCH-YMC 2000	B122
DCM-EPC 3000	B123

◎外 R 倒角刀系列 Outer R Chamfer Series

AMI 2000	B123
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◎T 型槽刀系列 T-Slot Series

AMT	B124
AMT	B125
AMH	B126

◎雕刻端銑刀系列 Engraving End Mill Series

E180-AWA 1000L1	B127
E030-AWC 1000L1	B128

◎鋁合金專用刀系列 Aluminum Type Series

GMA 2000	B129
GMA 3000	B130—B131
HMA 2000	B132—B133
HMA 3000	B134
MU2-GMA 3000	B135—B136
MU2-GWA 3000	B137
MU2-HMA 3000	B138
MU3-JMA 3000	B139—B140

鎢鋼端銑刀識別系統

Carbide End Mill Identification System

MUH - E M M L



1 特徵 Feature

記號 Symbol	特徵 Feature	
S	微小徑 Micro Diameter	
E180	平行雕刻 Engraving Blanks Precision Ground	
E090	90°精細刻字 90° Engraving Blanks Precision Ground	
E060	60°精細刻字 60° Engraving Blanks Precision Ground	
E030	30°精細刻字 30° Engraving Blanks Precision Ground	
MMH	平溝不等分割 Flat Land Uneven Division	
MU	圓溝 Rounded Land	
MU2	圓溝 2 離隙 Rounded Land Double Edge	
MU3	圓溝 3 離隙 Rounded Land Triple Edge	
MUH	圓溝不等分割 Rounded Land Unequal Division	
KUH	圓溝不等分割鑄鐵加工用 Round Land Unequal Split for Cast Iron Processing	
LUH	圓溝不等分割車銑複合 Round Land Unequal Split For Turning And Milling Center	
LU2	圓溝 2 離隙車銑複合 Rounded Land Double Edge For Turning And Milling Center	
SUH	圓溝不等分割高進給 Round Land Unequal Division High Feed	
PA	拋物線弧形加工 Parabolic Arc Machining	
PH	不等分割非圓溝 Unequal Division Non-Round Land	
DT	60° 夾角定位 Positioning Angle 60°	DC 90° 夾角定位 Positioning Angle 90°
DS	80° 夾角定位 Positioning Angle 80°	DR 120° 夾角定位 Positioning Angle 120°
DCC	90° 夾角倒角 Chamfering 90°	
DCH	90° 夾角保護倒角定位	
DCM	90° 夾角定位倒角銑削 Position vs Chamfering Machining 90°	
RU	圓溝粗加工粗銑 Rounded Land Roughing	
CU	圓溝中工粗銑 Rounded Land Medium Roughing	
FU	圓溝精加工粗銑 Rounded Land Finishing Roughing	RM 粗加工粗銑 Fine Pitch & Roughing
FM	精加工粗銑 Fine Pitch & Finishing Roughing	CFM 複合材料精加工 For Composites Finishing
CM	中加工粗銑 Fine Pitch & Medium Roughing	
V	鳩尾型槽 Dovetail Groove	
VV	雙刃鳩尾型槽 Double-Edge Dovetail Groove	
CB	30° V型鳩尾型槽 V-Type Dovetail Groove 30°	CC 90° V型鳩尾型槽 V-Type Dovetail Groove 90°
CR	60° V型鳩尾型槽 V-Type Dovetail Groove 60°	CE 140° V型鳩尾型槽 V-Type Dovetail Groove 140°
BS	沉頭孔專用 For Countersunk Screws	

2 000 XXX - DIN

6 刃數 Flute	7 切削直徑 Cutting Diameter	8 其他 Other	9 歐洲規格 Specification For Europe Market
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2 螺旋角 Helix Angle 3 材質 Grade 4 用途 Application

記號 Symbol	角度 Angle
A	0°
B	20°
C	25°
D	30°
E	35°
F	35°/38°
G	45°
H	55°
I	42°/45°
J	50°
K	38°/40°
L	39°/41°
M	120°
O	40°
P	38°
S	8°
Y	12°

記號 Symbol	材質 Grade
E	E300
G	G300
H	H300
M	M500
P	P500
W	W500
Y	Y500

記號 Symbol	說明 Explanation
M	平刀 Square
B	球頭 Ball Nose
U	內R角 Inner Radius
R	圓鼻刀 Corner Radius
C	倒角 Chamfer
I	外R角 Outer Radius
T	T型刀 T Type
A	鋁用刀 Aluminum

8 其他 Other

R□□ R角 Radius ex : R02=R0.2mm	特殊全長 (mm) Special L.F	C:50	D:60	E:175
T□□ 錐度角度 Tapered ex : T005=0.5°		H:100	M:150	R:200
C□□ 倒角長度 Chamfer Length ex : C02=0.2mm	CW	切削寬度 Cutting Width		
D□□ 特殊柄徑 Special Shank Diameter ex : D6=6mm	X□□□□	特殊角度 Special Angle ex : X40.45=鳩尾槽刀刀角40°，導角45° The angle of dove tail mill is 40°, chamfering is 45°.		
L1 特殊切刃長度 Special Flute Length				
L2 特殊可使用長度 Special 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 塗層 Coating	 TiSiN 塗層 Coating
	精度單位 Accuracy	 TSY 塗層 Coating	AlTiN 鋁鈦氮塗層 TiSiN 鈦鈦塗層 TSY 塗層
 	含鈷量 Cobalt Content	      	材質 Grade
 	可被切削材硬度 Hardness Of Workpiece		螺旋角度 Helix Angle

鎢鋼端銑刀系列加工圖標指南

For Carbide End Mills Series Processing Icon Guide

圖標 Icon	說明 Explanation	圖標 Icon	說明 Explanation	圖標 Icon	說明 Explanation	圖標 Icon	說明 Explanation
	圓孔倒角 Chamfer Of Rounding Hole		平面銑削 Slab Milling		V角開槽 V Corner Slotcccd		側銑 Side Milling
	圓孔外R倒角 Round Hole Outside R Chamfering		斜度坡走銑削 Angular Plunge Grinding		倒角 Chamfer		斜面側銑 Incline Side Milling
	背面V槽 Back Side V Type Groove		全開槽 Full Slot		V型開槽 V Type Slotcccd		側面倒角 Side Chamfering
	平面螺旋銑削 Spiral Face Milling		R角開槽 R Corner Slotcccd		內R角倒角 Internal R Corner Chamfer		內R開槽 Internal R Slotcccd
	R角螺旋銑削 Spiral Radius Corner Milling		R溝槽 R Slot		外R倒角 Outer R Chamfer		定位加工 Position Processing
	圓型螺旋銑削 Spiral Ball Surface Milling		C角開槽 C Corner Slotcccd		背面倒角 Back Chamfering		拋物線銑削 Parabolic Milling
	段差平面加工 Step Plane Machining		T型槽銑 T Type Solt		背面內R倒角 Backside Inner R Chamfering		曲面銑削 Surface Milling
	R角段差加工 Step Radius Corner Machining		R角T型槽銑 R Corner T Type Solt		倒角側銑 Chamfer Side Milling		仿型銑削 Profile Milling
			雕刻銑削 Carving Milling		R角側銑 R Corner Side Milling		內倒角 Internal Chamfer

平刀鎢鋼端銑刀索引表

For Index Square Type Carbide End Mill Series

	產品形狀 Item Style	柄部直徑 (mm) Shank	規格圖標 Description	頁碼 Page
	S-EMM 2000 	Ø4	      	B17
NEW	S-EMML 2000L2 	Ø4	      	B18 – B19
	S-OGM 2000 	Ø4 Ø6	      	B20 – B21
NEW	EMM 2000 	Ø4 Ø10 Ø16 Ø6 Ø12 Ø20 Ø8 Ø14	      	B22 – B24
NEW	EMM 2000L1 	Ø4 Ø10 Ø6 Ø12 Ø8	      	B25 – B28
	EMM 2000T00 	Ø4 Ø10 Ø6 Ø12 Ø8	      	B29
	EMM 3000 	Ø6 Ø12 Ø8 Ø16 Ø10	      	B30
NEW	EMM 4000 	Ø4 Ø10 Ø20 Ø6 Ø12 Ø8 Ø16	      	B31 – B32
NEW	EMM 4000L1 	Ø4 Ø10 Ø20 Ø6 Ø12 Ø8 Ø16	      	B33 – B34
	EPM 2000 	Ø4 Ø10 Ø6 Ø12 Ø8	      	B35 – B36
NEW	EPM 3000 	Ø6 Ø8 Ø10	      	B37
NEW	EPM 4000 	Ø4 Ø10 Ø6 Ø12 Ø8 Ø16	      	B38 – B39
NEW	GMM 3000 	Ø4 Ø10 Ø6 Ø12 Ø8	      	B40
NEW	GMM 4000 	Ø4 Ø10 Ø20 Ø6 Ø12 Ø25 Ø8 Ø16	      	B41 – B42
	GMM 6000 	Ø4 Ø10 Ø20 Ø6 Ø12 Ø25 Ø8 Ø16	      	B43

	產品形狀 Item Style	柄部直徑 (mm) Shank	規格圖標 Description	頁碼 Page
NEW	GPM 6000 	Ø4 Ø10 Ø20 Ø6 Ø12 Ø25 Ø8 Ø16	MG     P 500 45 TiSin	B44
NEW	MU-EMM 4000 	Ø4 Ø10 Ø20 Ø6 Ø12 Ø8 Ø16	MG     M 500 35 Altin	B45 – B46
	MU-GMM 4000 	Ø4 Ø10 Ø20 Ø6 Ø12 Ø8 Ø16	MG     M 500 45 Altin	B47 – B51
NEW	MU-GPM 4000 	Ø4 Ø10 Ø6 Ø12 Ø8 Ø16	MG     P 500 45 TiSin	B52 – B53
NEW	MU2-GPM 4000 	Ø4 Ø10 Ø20 Ø6 Ø12 Ø8 Ø16	MG     P 500 45 TiSin	B54 – B55
	MUH-FMM 4000 	Ø4 Ø10 Ø20 Ø6 Ø12 Ø8 Ø16	MG     M 500 35 38 Altin	B56
NEW	MUH-FPM 4000 	Ø4 Ø10 Ø20 Ø6 Ø12 Ø8 Ø16	MG     P 500 35 38 TiSin	B57
	MUH-GMM 4000 	Ø4 Ø10 Ø20 Ø6 Ø12 Ø8 Ø16	MG     M 500 45 Altin	B58
	MUH-IMM 4000 	Ø4 Ø10 Ø20 Ø6 Ø12 Ø8 Ø16	MG     M 500 42 45 Altin	B59 – B60
	MUH-IMM 4000 -DIN 	Ø4 Ø10 Ø20 Ø6 Ø12 Ø8 Ø16	MG     M 500 42 45 Altin	B61
	MUH-IPM 3000L1 	Ø4 Ø10 Ø6 Ø12 Ø8 Ø16	MG     P 500 42 45 TiSin	B62
	MUH-IPM 4000 	Ø4 Ø10 Ø20 Ø6 Ø12 Ø8 Ø16	MG     P 500 42 45 TiSin	B63 – B64
	MUH-IGM 4000 	Ø4 Ø10 Ø6 Ø12 Ø8	MG     G 300 42 45 Altin	B65
NEW	MUH-IEM 4000 	Ø4 Ø10 Ø6 Ø12 Ø8	MG     E 300 42 45 TiSin	B66
NEW	MUH-IYM 4000 	Ø4 Ø10 Ø6 Ø12 Ø8 Ø16	MG     Y 500 42 45 TSY	B67 – B68
	LUH-IMM 4000 	Ø6 Ø8 Ø10	MG     M 500 42 45 Altin	B69

	產品形狀 Item Style	柄部直徑 (mm) Shank	規格圖標 Description	頁碼 Page
NEW	MMH-LMM 4000 	Ø4 Ø10 Ø6 Ø12 Ø8 Ø16	      	B70
NEW	MMH-LPM 4000 	Ø4 Ø10 Ø6 Ø12 Ø8 Ø16	      	B71
	FM-CMM 4000 	Ø6 Ø12 Ø8 Ø16 Ø10	      	B72
	RM-CMM 4000 	Ø6 Ø12 Ø8 Ø16 Ø10	      	B73
NEW	CFM-CWM 	Ø4 Ø8 Ø5 Ø10 Ø6 Ø12	   	B74

球頭鎢鋼端銑刀索引表

For Index Ball Nose Type Carbide End Mill Series

產品形狀 Item Style	柄部直徑 (mm) Shank	規格圖標 Description	頁碼 Page
S-EMB 2000 	Ø4	MG   CO 12%  M 500 35 	B75
S-EMB 2000L2 	Ø4	MG   CO 12%  M 500 35 	B76
S-EPB 2000 	Ø4	MG   CO 12%  P 500 35 	B77
EMB 2000 	Ø4 Ø10 Ø20 Ø6 Ø12 Ø8 Ø16	MG   CO 12%  M 500 35 	B78 – B80
EMB 2000L2 	Ø4 Ø6 Ø8	MG   CO 12%  M 500 35 	B81 – B82
EMB 4000 	Ø4 Ø10 Ø20 Ø6 Ø12 Ø8 Ø16	MG   CO 12%  M 500 35 	B83 – B84
EWB 2000 	Ø4 Ø10 Ø6 Ø12 Ø8	MG   CO 12%  35	B85
EPB 2000 	Ø4 Ø10 Ø20 Ø6 Ø12 Ø8 Ø16	MG   CO 12%  P 500 35 	B86
NEW EPB 4000 	Ø4 Ø10 Ø20 Ø6 Ø12 Ø8 Ø16	MG   CO 12%  P 500 35 	B87
EEB 2000 	Ø4 Ø10 Ø6 Ø12 Ø8	MG   CO 10%  E 300 35 	B88
DMB 2000 	Ø4 Ø10 Ø6 Ø12 Ø8	MG   CO 12%  M 500 30 	B89
DWB 2000L2 	Ø4	MG   CO 12%  30	B90
DPB 2000 	Ø6 Ø10	MG   CO 12%  P 500 30 	B91

酒桶鎢鋼端銑刀索引表

For Index Barrel Tungsten Carbide End Mill Series

產品形狀 Item Style	柄部直徑 (mm) Shank	規格圖標 Description	頁碼 Page
PA-DPB 	Ø6 Ø12 Ø8 Ø10	      	B92

內 R 角鎢鋼端銑刀索引表

For Index Inner R Type Carbide End Mill Series

產品形狀 Item Style	柄部直徑 (mm) Shank	規格圖標 Description	頁碼 Page
EPU 4000L1 	Ø4 Ø10 Ø6 Ø12 Ø8 Ø16	      	B93

圓鼻鎢鋼端銑刀索引表

For Index Corner Radius Type Carbide End Mill Series

產品形狀 Item Style	柄部直徑 (mm) Shank	規格圖標 Description	頁碼 Page
DMR 2000R00 	Ø4 Ø10 Ø6 Ø12 Ø8	     30 	B94 – B95
DMR 2000R00L2 	Ø4 Ø10 Ø6 Ø12 Ø8	     30 	B96
NEW DMR 4000R00 	Ø4 Ø10 Ø6 Ø12 Ø8	     30 	B97 – B99
NEW DPR 4000R00 	Ø3 Ø4	     30 	B100
GPR 6000R00 	Ø6 Ø12 Ø8 Ø16 Ø10 Ø20	     45 	B101
PH-FMR 4000R00 	Ø4 Ø10 Ø6 Ø12 Ø8	     35 	B102
NEW PH-FPR 4000R00 	Ø4 Ø10 Ø6 Ø12 Ø8	     35 	B103-B104
PH-FER 4000R00 	Ø4 Ø10 Ø6 Ø12 Ø8	     35 	B105
NEW PH-FPC 4000C00 	Ø4 Ø10 Ø6 Ø12 Ø8 Ø16	     35 	B106
NEW SUH-FMR 5000R00L1-DIN 	Ø6 Ø12 Ø8 Ø16 Ø10 Ø20	     35 	B107-B108
SUH-FYR 4000R00 	Ø4 Ø10 Ø6 Ø12 Ø8	     35 	B109-B110

倒角專用鎢鋼端銑刀索引表

For Index Chamfer Type Carbide End Mill Series

產品形狀 Item Style	柄部直徑 (mm) Shank	規格圖標 Description	頁碼 Page
CC-AMC 	Ø6 Ø12 Ø8 Ø10	MG     M  30 Altin	B111
CR-AMC 	Ø6 Ø12 Ø8 Ø10	MG     M  30 Altin	B112
DT-DMC 2000 	Ø3 Ø6 Ø12 Ø4 Ø8 Ø16 Ø5 Ø10 Ø20	MG     M  30 Altin	B113
DC-DMC 2000 	Ø3 Ø6 Ø12 Ø4 Ø8 Ø16 Ø5 Ø10 Ø20	MG     M  30 Altin	B114
DR-DMC 2000 	Ø3 Ø6 Ø12 Ø4 Ø8 Ø16 Ø5 Ø10 Ø20	MG     M  30 Altin	B115
DC-DWC 2000 	Ø3 Ø6 Ø16 Ø4 Ø8 Ø5 Ø10	MG     30	B116
DR-DWC 2000 	Ø3 Ø6 Ø16 Ø4 Ø8 Ø5 Ø10	MG     30	B117
DC-DPC 2000 	Ø3 Ø6 Ø12 Ø4 Ø8 Ø16 Ø5 Ø10 Ø20	MG     P  30 TiSin	B118
NEW DC-DMM 2000 	Ø4 Ø10 Ø20 Ø6 Ø12 Ø8 Ø16	MG     M  30 Altin	B119
DR-DMM 2000 	Ø6 Ø12 Ø8 Ø16 Ø10 Ø20	MG     M  30 Altin	B120
NEW DCC-AMC-DIN 	Ø4 Ø10 Ø6 Ø12 Ø8	MG     M  Altin	B121
NEW DCC-YMC 2000 	Ø3 Ø6 Ø12 Ø4 Ø8 Ø16 Ø5 Ø10 Ø20	MG     M  12 Altin	B122
DCM-EPC 3000 	Ø3 Ø8 Ø4 Ø10 Ø6 Ø12	MG     P  35 TiSin	B123

外 R 倒角鎢鋼端銑刀索引表

For Index Outer R Chamfer Carbide End Mill Series

	產品形狀 Item Style	柄部直徑 (mm) Shank	規格圖標 Description	頁碼 Page
NEW	AMI 2000 	Ø4 Ø12 Ø6 Ø16 Ø8	     	B124

T 型槽鎢鋼端銑刀索引表

For Index T-Type Slot Carbide End Mill Series

	產品形狀 Item Style	柄部直徑 (mm) Shank	規格圖標 Description	頁碼 Page
NEW	AMT 	Ø8 Ø12	     	B125
NEW	AMT 	Ø6 Ø12 Ø8 Ø10	     	B126
NEW	AMH 	Ø8	   	B127

鋁用雕刻端銑刀索引表

For Index Engraving For Aluminum End Mill Series

	產品形狀 Item Style	柄部直徑 (mm) Shank	規格圖標 Description	頁碼 Page
	E180-AWA 1000L1 	Ø3 Ø6 Ø12 Ø4 Ø8 Ø5 Ø10	   	B128
	E030-AWC 1000L1 	Ø3 Ø6 Ø4 Ø5	   	B129

鋁合金專用鎢鋼端銑刀索引表

For Index Aluminum Type Carbide End Mill Series

	產品形狀 Item Style	柄部直徑 (mm) Shank	規格圖標 Description	頁碼 Page
	GMA 2000 	Ø6 Ø8 Ø10	    	B130
NEW	GMA 3000 	Ø4 Ø10 Ø20 Ø6 Ø12 Ø8 Ø16	    	B131-B132
	HMA 2000 	Ø4 Ø10 Ø6 Ø12 Ø8 Ø16	    	B133-B134
	HMA 3000 	Ø4 Ø10 Ø20 Ø6 Ø12 Ø8 Ø16	    	B135
NEW	MU2-GMA 3000 	Ø4 Ø9 Ø16 Ø6 Ø10 Ø20 Ø8 Ø12	    	B136-B137
NEW	LU2-GMA 3000	Ø6 Ø8 Ø10	    	B138
	MU2-HMA 3000 	Ø4 Ø10 Ø6 Ø12 Ø8 Ø16	    	B139
	MU3-JMA 3000 	Ø4 Ø10 Ø20 Ø6 Ø12 Ø8 Ø16	    	B140-B141

材質銑削推薦表

Recoommend Cutting List

◎第一推薦 First recommend

○第二推薦 Second recommend

塗層材質分類 Coating Material Classification		適用領域建議 Suit Filed Suggestion			P	M	K	X	N	H	S			
		高精度 High Precision	輕切削 Light Cutting	重切削 Roughing Cutting	一般鋼 Steel	合金鋼 Alloy Steel	碳鋼 Carbon Steel	不鏽鋼 Stainless Steel	鑄鐵 Cast Iron	銅 Copper	鋁合金 Aluminum	複合材質 Composites	高硬度材料 High Hardness Material	難切削材料 Hard to Cut Material
平刀塗層 Square End Mill Coating (PVD)														
		MUH-IGM			◎	◎	○	◎	◎				○	
		MUH-IEM			◎	◎	◎	○	◎				○	
		MUH-IYM												
		MUH-IPM、MUH-FPM、 MMH-LPM			◎	◎	◎	○	◎					○
		MUH-IMM、MUH-IMM-DIN、 MMH-LMM、LUH-IMM			◎	◎	○	◎	◎					
		MUH-GMM、MUH-FMM			◎	◎	○	◎	◎					
		EPM、GPM、OGM			◎	◎	◎	○	◎					○
		MU2-GPM、MU-GPM			◎	◎	◎	○	◎					○
		MU-GMM、MU-EMM			◎	◎	◎	◎	◎					
高速加工 High Speed Processing ↑ Standard Processing ↓ 一般加工		EMM、GMM			◎	◎	○	◎	◎					
		SUH-FYR				○		◎						
		SUH-FMR			◎	◎	◎	○	◎					
		PH-FPR、PH-FPC			◎	◎	◎	○	◎					
		DPR、GPR、PH-FER、PH-FMR			◎	◎	◎	○	◎					○
		DMR			◎	◎	○	◎	◎					
		高速加工 High Speed Processing ↑ Standard Processing ↓ 一般加工		PA-DPB			○	○	◎	◎	○			
EEB				◎	◎	◎	○	◎				○		
EPB、DPB				○	○	◎	◎							
EMB				◎	◎	○	◎	◎					○	
DMB				◎	◎	◎	○	◎					○	
EWB、DWB									○	◎				

材質銑削推薦表

Recommend Cutting List

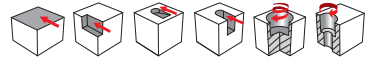
◎第一推薦 First recommend

○第二推薦 Second recommend

塗層材質分類 Coating Material Classification	適用領域建議 Suit Filed Suggestion			P	M	K	X	N	H	S			
	高精度 High Precision	輕切削 Light Cutting	重切削 Roughing Cutting	一般鋼 Steel	合金鋼 Alloy Steel	碳鋼 Carbon Steel	不銹鋼 Stainless Steel	鑄鐵 Cast Iron	銅 Copper	鋁合金 Aluminum	複合材質 Composites	高硬度材料 High Hardness Material	難切削材料 Hard to Cut Material
內R角刀塗層 Inner Radius Type Coating (PVD)	EPU			◎	◎	◎	○	◎	○				○
外R倒角刀塗層 Outer Radius Countersink Type Coating (PVD)	AMI			◎	◎	◎	◎	○	○				
T型槽刀塗層 T-Type Slot Coating (PVD)	AMT			◎	◎	◎	◎	○	○				
倒角刀塗層 Countersink Coating (PVD)	High Speed Processing ↑ Standard Processing ↓ High Speed Processing ↑ Standard Processing ↓	高速加工 (v)			◎	◎	◎	◎	⊗				○
		DC-DPC、DCC-AMC-DIN、 DCM-EPC、DCH-YMC			◎	◎	◎	◎	⊗				
		DC-DMC、DR-DMC、 DT-DMC、DC-DMM			◎	◎	○	◎	◎				
		DC-DWC								○	◎		
		CC-AMC、CR-AMC			◎	◎	○	◎	◎				
粗、精 銑刀塗層 Roughing vs. Finishing Cutter Coating (PVD)	High Speed Processing ↑ Standard Processing ↓ High Speed Processing ↑ Standard Processing ↓	高速加工 (v)			CFM-CWM					○	○	⊗	
		FM-CMM、RM-CMM			◎	◎	○	◎	◎	○			
鋁用銑刀 (無塗層) Aluminum Carbide End Mill Without Coating	High Speed Processing ↑ Standard Processing ↓ High Speed Processing ↑ Standard Processing ↓	高速加工 (v)			MU3-JMA					○	◎		
		MU2-GMA、LU2-GMA MU2-HMA							○	◎			
		GMA							○	◎			
		HMA							○	◎			
		E180-AWA E030-AWC							○	◎			

S-EMM 2000

微小徑2刃鎢鋼立銑刀
Micro Diameter 2 Flute Carbide End Mill



產品型號 Model No	在庫 Stock	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
S-EMM2002	●	0.2	0.4	4	50	
S-EMM2003	●	0.3	0.6	4	50	
S-EMM2004	●	0.4	0.8	4	50	
S-EMM2005	●	0.5	1	4	50	
S-EMM2006	●	0.6	1.2	4	50	
S-EMM2007	●	0.7	1.4	4	50	
S-EMM2008	●	0.8	1.6	4	50	
S-EMM2009	●	0.9	1.8	4	50	

S-EMM 2000系列切削參數

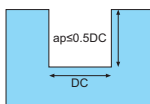
The Cutting Data For S-EMM 2000 Series

被加工材質 Material **鋼 Steel** **不鏽鋼 Stainless steel** **鑄鐵 Cast Iron**

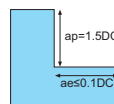
直徑 (mm) Shank		4
轉速 n (min)		4800
進給速度 (mm/min) Vf	開槽 Slotted	135
	側邊 Side	475

切削深度 Cutting depth

開槽 Slotted



側邊 Side



ap : 軸向切削深度 Axial depth of cutting

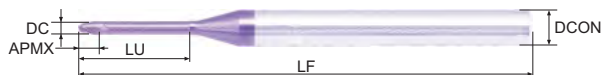
ae : 徑向切削深度 Radial depth of cutting

DC : 刃徑 Diameter of cutting



S-EMML 2000L2

微小徑長頸短刀 2 刃鎢鋼立銑刀
Micro Diameter Long Neck Short Flute
2 Flutes Carbide End Mill



新規格上市
New Specification Arrival



產品型號 Model No	在庫 Stock	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	可使用長度 LU	標準全長 LF	價格 Price
S-EMML2004L202	●	0.4	0.6	4	2	50	
S-EMML2004L204	●	0.4	0.6	4	4	50	
S-EMML2005L202	●	0.5	0.75	4	2	50	
S-EMML2005L204	●	0.5	0.75	4	4	50	
S-EMML2005L206	●	0.5	0.75	4	6	50	
S-EMML2006L202		0.6	0.9	4	2	50	
S-EMML2006L204		0.6	0.9	4	4	50	
S-EMML2006L206	●	0.6	0.9	4	6	50	
S-EMML2006L208	●	0.6	0.9	4	8	50	
S-EMML2007L203	●	0.7	1.05	4	3	50	
S-EMML2008L203		0.8	1.2	4	3	50	
S-EMML2008L204		0.8	1.2	4	4	50	
S-EMML2008L206	●	0.8	1.2	4	6	50	
S-EMML2008L208	●	0.8	1.2	4	8	50	
S-EMML2008L210	●	0.8	1.2	4	10	50	
S-EMML2010L204	●	1	1.5	4	4	50	
S-EMML2010L206	●	1	1.5	4	6	50	
S-EMML2010L208		1	1.5	4	8	50	
S-EMML2010L210	●	1	1.5	4	10	50	
S-EMML2010L212		1	1.5	4	12	50	
S-EMML2015L204		1.5	2.25	4	4	50	
S-EMML2015L206		1.5	2.25	4	6	50	
S-EMML2015L208		1.5	2.25	4	8	50	
S-EMML2015L210		1.5	2.25	4	10	50	
S-EMML2015L212	●	1.5	2.25	4	12	50	
S-EMML2020L206		2	3	4	6	50	
S-EMML2020L208	●	2	3	4	8	50	
S-EMML2020L210	●	2	3	4	10	50	
S-EMML2020L212	●	2	3	4	12	50	
S-EMML2020L214		2	3	4	14	50	
S-EMML2020L216	●	2	3	4	16	50	
S-EMML2030L208		3	4.5	4	8	50	
S-EMML2030L210	●	3	4.5	4	10	50	

※ 請接下頁。 ※ Continued on next page.

產品型號 Model No	在庫 Stock	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	可使用長度 LU	標準全長 LF	價格 Price
S-EMML2030L212		3	4.5	4	12	50	
S-EMML2030L214		3	4.5	4	14	50	
S-EMML2030L216	●	3	4.5	4	16	50	
S-EMML2030L220	●	3	4.5	4	20	50	

S-EMML 2000L2系列切削參數

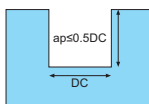
The Cutting Data For S-EMML 2000L2 Series

被加工材質 Material 鋼 Steel 不鏽鋼 Stainless steel 鑄鐵 Cast Iron

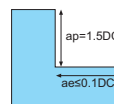
直徑 (mm) Shank		4
轉速 n (min)		4800
進給速度 (mm/min) Vf	開槽 Slotted	135
	側邊 Side	475

切削深度 Cutting depth

開槽 Slotted



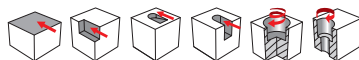
側邊 Side



ap : 軸向切削深度 Axial depth of cutting

ae : 徑向切削深度 Radial depth of cutting

DC : 刃徑 Diameter of cutting



產品型號 Model No	在庫 Stock	切削直徑	切刃長度	柄部直徑	標準全長	價格 Price
		DC	APMX	DCON	LF	
S-OGM2003	●	0.3	1.2	4	50	
S-OGM2004		0.4	1.6	4	50	
S-OGM2005		0.5	2	4	50	
S-OGM2006		0.6	2.4	4	50	
S-OGM2007		0.7	2.8	4	50	
S-OGM2008		0.8	3.2	4	50	
S-OGM2009		0.9	3.6	4	50	
S-OGM2010		1	4	4	50	
S-OGM2011		1.1	4.4	4	50	
S-OGM2012		1.2	4.8	4	50	
S-OGM2013		1.3	5.2	4	50	
S-OGM2014		1.4	5.6	4	50	
S-OGM2015		1.5	6	4	50	
S-OGM2016		1.6	6.4	4	50	
S-OGM2017		1.7	6.8	4	50	
S-OGM2018		1.8	7.2	4	50	
S-OGM2019		1.9	7.6	4	50	
S-OGM2020		2	8	4	50	
S-OGM2021		2.1	8.4	4	50	
S-OGM2022		2.2	8.8	4	50	
S-OGM2023		2.3	9.2	4	50	
S-OGM2024		2.4	9.6	4	50	
S-OGM2025	●	2.5	10	4	50	
S-OGM2026		2.6	10.4	4	50	
S-OGM2027		2.7	10.8	4	50	
S-OGM2028		2.8	11.2	4	50	
S-OGM2029		2.9	11.6	4	50	
S-OGM2030D6		3	12	6	50	

S-OGM 2000系列切削參數

The Cutting Data For S-OGM 2000 Series

被加工材質
Material

鋼

Steel

不鏽鋼

Stainless steel

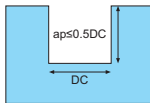
鑄鐵

Cast Iron

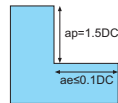
直徑 (mm) Shank		4	6
轉速 n (min)		4800	3100
進給速度 (mm/min) V_f	開槽 Slotted	135	120
	側邊 Side	475	375

切削深度 Cutting depth

開槽 Slotted



側邊 Side



a_p : 軸向切削深度 Axial depth of cutting

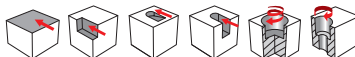
a_e : 徑向切削深度 Radial depth of cutting

DC : 刃徑 Diameter of cutting

EMM 2000 2 刃鎢鋼立銑刀
2 Flutes Carbide End Mill



 **新規格上市**
New Specification Arrival



產品型號 Model No	在庫 Stock	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
EMM2010	●	1	2.5	4	50	
EMM2010D6	●	1	2.5	6	50	
EMM2015	●	1.5	3.75	4	50	
EMM2020	●	2	5	4	50	
EMM2020D6	●	2	5	6	50	
EMM2025	●	2.5	6.25	4	50	
EMM2025D6	●	2.5	6.25	6	50	
EMM2030	●	3	7.5	4	50	
EMM2030D6	●	3	7.5	6	50	
EMM2030E1	●	3	7.5	4	75	
EMM2035	●	3.5	8.75	4	50	
EMM2035D6	●	3.5	8.75	6	50	
EMM2036	●	3.6	9	4	50	
EMM2038	●	3.8	9.5	4	50	
EMM2040	●	4	10	4	50	
EMM2040D6	●	4	10	6	50	
EMM2040E1	●	4	10	4	75	
EMM2040H		4	10	4	100	
EMM2045	●	4.5	11.25	6	50	
EMM2047	●	4.7	11.75	6	50	
EMM2050	●	5	12.5	6	50	
EMM2050D5		5	12.5	5	50	
EMM2050E1	●	5	12.5	6	75	
EMM2050H	●	5	12.5	6	100	
EMM2055	●	5.5	13.75	6	50	
EMM2057	●	5.7	14.25	6	50	
EMM2060	●	6	15	6	50	
EMM2060E1	●	6	15	6	75	
EMM2060H	●	6	15	6	100	
EMM2064	●	6.4	16	8	60	
EMM2068	●	6.8	17	8	60	
EMM2070	●	7	17.5	8	60	
EMM2071	●	7.1	17.75	8	60	

※ 請接下頁。 ※ Continued on next page.

產品型號 Model No	在庫 Stock	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
EMM2073	●	7.3	18.25	8	60	
EMM2075	●	7.5	18.75	8	60	
EMM2080	●	8	20	8	60	
EMM2080E1	●	8	20	8	75	
EMM2080H	●	8	20	8	100	
EMM2080M	●	8	20	8	150	
EMM2090	●	9	22.5	10	75	
EMM2100	●	10	25	10	75	
EMM2100H	●	10	25	10	100	
EMM2100M	●	10	25	10	150	
EMM2110	●	11	27.5	12	75	
EMM2120	●	12	30	12	75	
EMM2120H	●	12	30	12	100	
EMM2120M	●	12	30	12	150	
NEW EMM2125D14	●	12.5	31.25	14	100	
EMM2140	●	14	35	16	100	
EMM2160	●	16	48	16	100	
EMM2160M	●	16	48	16	150	
EMM2160R	●	16	48	16	200	
NEW EMM2180	●	18	45	20	100	
EMM2200	●	20	50	20	100	
EMM2200M	●	20	50	20	150	
EMM2200R	●	20	50	20	200	

EMM 2000系列切削參數

The Cutting Data For EMM 2000 Series

被加工材質
Material

鋼

Steel

不鏽鋼

Stainless steel

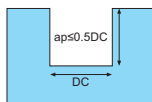
鑄鐵

Cast Iron

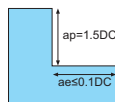
直徑 (mm) Shank		4	5	6	8	10	12	14	16	20
轉速 n (min)		4800	3800	3100	2300	1900	1600	1300	1200	950
進給速度 (mm/min) V _f	開槽 Slotted	135	120	120	120	120	120	135	135	135
	側邊 Side	475	325	325	375	375	275	200	200	165

切削深度 Cutting depth

開槽 Slotted



側邊 Side

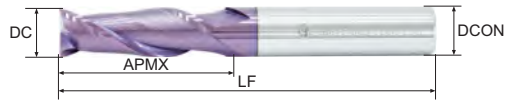


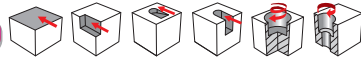
ap : 軸向切削深度 Axial depth of cutting

ae : 徑向切削深度 Radial depth of cutting

DC : 刃徑 Diameter of cutting

EMM 2000L1

2刃3倍刃長鎢鋼立銑刀
2 Flutes With Triple Flute Length Carbide End Mill


新規格上市
New Specification Arrival


產品型號 Model No	在庫 Stock	切削直徑 DC	切削長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
EMM2010L103	●	1	3	4	50	
EMM2011L1033	●	1.1	3.3	4	50	
EMM2012L1036	●	1.2	3.6	4	50	
EMM2013L1039	●	1.3	3.9	4	50	
EMM2014L1042	●	1.4	4.2	4	50	
EMM2015L1045	●	1.5	4.5	4	50	
EMM2016L1048	●	1.6	4.8	4	50	
EMM2017L1051	●	1.7	5.1	4	50	
EMM2018L1054	●	1.8	5.4	4	50	
EMM2019L1057	●	1.9	5.7	4	50	
EMM2020L106	●	2	6	4	50	
EMM2020L106D6	●	2	6	6	50	
EMM2021L1063	●	2.1	6.3	4	50	
EMM2022L1066	●	2.2	6.6	4	50	
EMM2023L1069	●	2.3	6.9	4	50	
EMM2024L1072	●	2.4	7.2	4	50	
EMM2025L1075	●	2.5	7.5	4	50	
EMM2026L1078	●	2.6	7.8	4	50	
EMM2027L1081	●	2.7	8.1	4	50	
EMM2028L1084	●	2.8	8.4	4	50	
EMM2029L1087	●	2.9	8.7	4	50	
EMM2030L109	●	3	9	4	50	
EMM2030L109D3	●	3	9	3	50	
EMM2030L109D6	●	3	9	6	50	
EMM2031L1093	●	3.1	9.3	4	50	
EMM2032L1096	●	3.2	9.6	4	50	
NEW EMM2032L1096D6	●	3.2	9.6	6	50	
EMM2033L1099	●	3.3	9.9	4	50	
EMM2034L1102	●	3.4	10.2	4	50	
EMM2035L1105	●	3.5	10.5	4	50	
EMM2036L1108	●	3.6	10.8	4	50	
EMM2037L1111	●	3.7	11.1	4	50	
EMM2038L1114	●	3.8	11.4	4	50	

※ 請接下頁。 ※ Continued on next page.



產品型號 Model No	在庫 Stock	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
EMM2039L1117	●	3.9	11.7	4	50	
EMM2040L112	●	4	12	4	50	
EMM2040L112D6	●	4	12	6	50	
EMM2041L1123	●	4.1	12.3	6	50	
EMM2042L1126	●	4.2	12.6	6	50	
EMM2043L1129	●	4.3	12.9	6	50	
EMM2044L1132	●	4.4	13.2	6	50	
EMM2045L1135	●	4.5	13.5	6	50	
EMM2046L1138	●	4.6	13.8	6	50	
EMM2047L1141	●	4.7	14.1	6	50	
EMM2048L1144	●	4.8	14.4	6	50	
EMM2049L1147	●	4.9	14.7	6	50	
EMM2050L115	●	5	15	6	50	
EMM2051L1153	●	5.1	15.3	6	50	
EMM2052L1156	●	5.2	15.6	6	50	
EMM2053L1159	●	5.3	15.9	6	50	
EMM2054L1162	●	5.4	16.2	6	50	
EMM2055L1165	●	5.5	16.5	6	50	
EMM2056L1168	●	5.6	16.8	6	50	
EMM2057L1171	●	5.7	17.1	6	50	
EMM2058L1174	●	5.8	17.4	6	50	
EMM2059L1177	●	5.9	17.7	6	50	
EMM2060L118	●	6	18	6	50	
EMM2061L1183	●	6.1	18.3	8	60	
EMM2062L1186	●	6.2	18.6	8	60	
EMM2063L1189	●	6.3	18.9	8	60	
EMM2064L1192	●	6.4	19.2	8	60	
EMM2065L1195	●	6.5	19.5	8	60	
EMM2066L1198	●	6.6	19.8	8	60	
EMM2067L1201	●	6.7	20.1	8	60	
EMM2068L1204	●	6.8	20.4	8	60	
EMM2069L1207	●	6.9	20.7	8	60	
EMM2070L121	●	7	21	8	60	

※ 請接下頁。 ※ Continued on next page.

產品型號 Model No	在庫 Stock	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
EMM2071L1213	●	7.1	21.3	8	60	
EMM2072L1216	●	7.2	21.6	8	60	
EMM2073L1219	●	7.3	21.9	8	60	
EMM2074L1222	●	7.4	22.2	8	60	
EMM2075L1225	●	7.5	22.5	8	60	
EMM2076L1228	●	7.6	22.8	8	60	
EMM2077L1231	●	7.7	23.1	8	60	
EMM2078L1234	●	7.8	23.4	8	60	
EMM2079L1237	●	7.9	23.7	8	60	
EMM2080L124	●	8	24	8	60	
EMM2080L124H	●	8	24	8	100	
EMM2080L140M	●	8	40	8	150	
EMM2081L1243	●	8.1	24.3	10	75	
EMM2082L1246	●	8.2	24.6	10	75	
EMM2083L1249	●	8.3	24.9	10	75	
EMM2084L1252	●	8.4	25.2	10	75	
EMM2085L1255		8.5	25.5	10	75	
EMM2086L1258	●	8.6	25.8	10	75	
EMM2087L1261	●	8.7	26.1	10	75	
EMM2088L1264	●	8.8	26.4	10	75	
EMM2089L1267	●	8.9	26.7	10	75	
EMM2090L127		9	27	10	75	
EMM2091L1273	●	9.1	27.3	10	75	
EMM2092L1276	●	9.2	27.6	10	75	
EMM2093L1279	●	9.3	27.9	10	75	
EMM2094L1282		9.4	28.2	10	75	
EMM2095L1285	●	9.5	28.5	10	75	
EMM2096L1288	●	9.6	28.8	10	75	
EMM2097L1291	●	9.7	29.1	10	75	
EMM2098L1294	●	9.8	29.4	10	75	
EMM2099L1297	●	9.9	29.7	10	75	
EMM2100L130	●	10	30	10	75	
EMM2101L1303		10.1	30.3	12	75	

※ 請接下頁。 ※ Continued on next page.

產品型號 Model No	在庫 Stock	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
EMM2102L1306	●	10.2	30.6	12	75	
EMM2103L1309	●	10.3	30.9	12	75	
EMM2104L1312	●	10.4	31.2	12	75	
EMM2105L1315		10.5	31.5	12	75	
EMM2106L1318	●	10.6	31.8	12	75	
EMM2107L1321	●	10.7	32.1	12	75	
EMM2108L1324	●	10.8	32.4	12	75	
EMM2109L1327	●	10.9	32.7	12	75	
EMM2110L133		11	33	12	75	
EMM2111L1333	●	11.1	33.3	12	75	
EMM2112L1336	●	11.2	33.6	12	75	
EMM2113L1339	●	11.3	33.9	12	75	
EMM2114L1342	●	11.4	34.2	12	75	
EMM2115L1345	●	11.5	34.5	12	75	
EMM2116L1348	●	11.6	34.8	12	75	
EMM2117L1351	●	11.7	35.1	12	75	
EMM2118L1354	●	11.8	35.4	12	75	
EMM2119L1357	●	11.9	35.7	12	75	
EMM2120L136	●	12	36	12	75	

EMM 2000L1 系列切削參數

The Cutting Data For EMM 2000L1 Series

被加工材質
Material

鋼
Steel

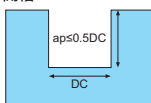
不鏽鋼
Stainless steel

鑄鐵
Cast Iron

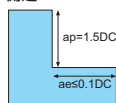
直徑 (mm) Shank	3	4	6	8	10	12
轉速 n (min)	6300	4800	3100	2300	1900	1600
進給速度 Vf (mm/min)	開槽 Slotted	135	135	120	120	120
	側邊 Side	475	475	325	375	275

切削深度 Cutting depth

開槽 Slotted



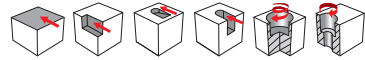
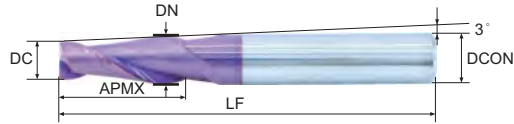
側邊 Side



ap : 軸向切削深度 Axial depth of cutting
ae : 徑向切削深度 Radial depth of cutting
DC : 刃徑 Diameter of cutting

EMM 2000T00

2 刃斜度鎢鋼立銑刀
2 Flutes Tapered Carbided End Mill



產品型號 Model No	在庫 Stock	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	頸徑 DN	價格 Price
EMM2025T030		2.5	8	4	50	3.34	
EMM2040T030D6	●	4	15	6	50	5.57	
EMM2060T030D8	●	6	18	8	60	7.59	
EMM2060T030D10		6	18	10	75	8.1	
EMM2080T030	●	8	25	8	75	10.62	

EMM 2000T00系列切削參數

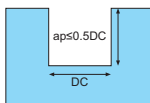
The Cutting Data For EMM 2000T00 Series

被加工材質 Material
鋼 Steel 不鏽鋼 Stainless steel 鑄鐵 Cast Iron

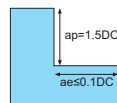
直徑 (mm) Shank		4	6	8	10
轉速 n (min)		4800	3100	2300	1900
進給速度 Vf (mm/min)	開槽 Slotted	135	120	120	120
	側邊 Side	475	325	375	375

切削深度 Cutting depth

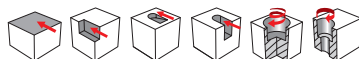
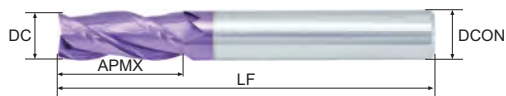
開槽 Slotted



側邊 Side



ap : 軸向切削深度 Axial depth of cutting
 ae : 徑向切削深度 Radial depth of cutting
 DC : 刃徑 Diameter of cutting



產品型號 Model No	在庫 Stock	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
EMM3040	●	4	10	4	50	
EMM3050	●	5	12.5	6	50	
EMM3058	●	5.8	14.5	6	50	
EMM3060	●	6	15	6	50	
EMM3078	●	7.8	19.5	8	60	
EMM3080	●	8	20	8	60	
EMM3100	●	10	25	10	75	
EMM3100L130	●	10	30	10	75	
EMM3120L136	●	12	36	12	75	
EMM3120L157H		12	57	12	100	
EMM3160	●	16	48	16	100	

EMM 3000系列切削參數

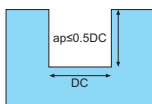
The Cutting Data For EMM 3000 Series

被加工材質 Material   

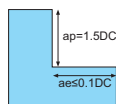
直徑 (mm) Shank	4	6	8	10	12	16
轉速 n (min)	4800	3100	2300	1900	1600	1200
進給速度 (mm/min) Vf	開槽 Slotted	180	180	180	180	180
	側邊 Side	500	500	580	580	580

切削深度 Cutting depth

開槽 Slotted



側邊 Side



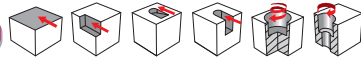
ap : 軸向切削深度 Axial depth of cutting

ae : 徑向切削深度 Radial depth of cutting

DC : 刃徑 Diameter of cutting

EMM 4000 4 刃鎢鋼立銑刀
4 Flutes Carbide End Mill


新規格上市
New Specification Arrival



產品型號 Model No	在庫 Stock	切削直徑 DC	切削長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
EMM4010	●	1	2.5	4	50	
EMM4010D6	●	1	2.5	6	50	
EMM4015	●	1.5	3.75	4	50	
EMM4015D6	●	1.5	3.75	6	50	
EMM4020	●	2	5	4	50	
EMM4020D6	●	2	5	6	50	
EMM4025	●	2.5	6.25	4	50	
EMM4025D6	●	2.5	6.25	6	50	
EMM4030	●	3	7.5	4	50	
EMM4030D6	●	3	7.5	6	50	
EMM4030E1	●	3	7.5	4	75	
EMM4035	●	3.5	8.75	4	50	
EMM4035D6	●	3.5	8.75	6	50	
EMM4040	●	4	10	4	50	
EMM4040D6	●	4	10	6	50	
EMM4040E1	●	4	10	4	75	
EMM4040H	●	4	10	4	100	
EMM4045	●	4.5	11.25	6	50	
EMM4050	●	5	12.5	6	50	
EMM4050E1	●	5	12.5	6	75	
EMM4050H	●	5	12.5	6	100	
EMM4055	●	5.5	13.75	6	50	
EMM4060	●	6	15	6	50	
EMM4060E1	●	6	15	6	75	
EMM4060H	●	6	15	6	100	
EMM4060M		6	15	6	150	
EMM4065	●	6.5	16.25	8	60	
EMM4070	●	7	17.5	8	60	
EMM4075	●	7.5	18.75	8	60	
EMM4080	●	8	20	8	60	
EMM4080E1	●	8	20	8	75	
EMM4080H	●	8	20	8	100	
EMM4080M	●	8	20	8	150	

※ 請接下頁。 ※ Continued on next page.



產品型號 Model No	在庫 Stock	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
EMM4100	●	10	25	10	75	
EMM4100H	●	10	25	10	100	
EMM4100M	●	10	25	10	150	
EMM4120	●	12	30	12	75	
EMM4120H	●	12	30	12	100	
EMM4120M	●	12	30	12	150	
EMM4140	●	14	35	16	100	
EMM4160	●	16	48	16	100	
EMM4160M	●	16	48	16	150	
EMM4160R	●	16	48	16	200	
EMM4180M	●	18	45	20	150	
EMM4200	●	20	50	20	100	
EMM4200M	●	20	50	20	150	
EMM4200R	●	20	50	20	200	

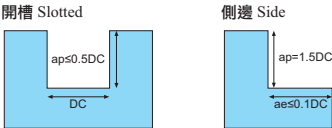
EMM 4000系列切削參數

The Cutting Data For EMM 4000 Series

被加工材質 Material 鋼 Steel 不鏽鋼 Stainless steel 鑄鐵 Cast Iron

直徑 (mm) Shank		4	6	8	10	12	16	18	20
轉速 n (min)		4800	3100	2300	1900	1600	1200	1240	1060
進給速度 Vf (mm/min)	開槽 Slotted	200	180	180	180	180	200	225	300
	側邊 Side	700	500	580	580	410	300	450	240

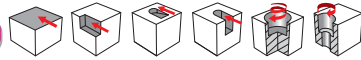
切削深度 Cutting depth



ap：軸向切削深度 Axial depth of cutting
ae：徑向切削深度 Radial depth of cutting
DC：刃徑 Diameter of cutting

EMM 4000L1 長刃型 4 刃鎢鋼立銼刀
Long Flute 4 Flutes Carbide End Mill


新規格上市
New Specification Arrival



產品型號 Model No	在庫 Stock	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
EMM4010L103		1	3	4	50	
EMM4015L1045		1.5	4.5	4	50	
EMM4020L106	●	2	6	4	50	
EMM4025L1075	●	2.5	7.5	4	50	
EMM4025L1075D6	●	2.5	7.5	6	50	
EMM4030L109	●	3	9	4	50	
EMM4030L109D6	●	3	9	6	50	
EMM4030L113D6		3	13	6	50	
EMM4032L1064D6		3.2	6.4	6	50	
EMM4040L112	●	4	12	4	50	
EMM4040L114D6		4	14	6	50	
EMM4040L120E1	●	4	20	4	75	
EMM4050L115	●	5	15	6	50	
EMM4050L125E1	●	5	25	6	75	
EMM4060L118	●	6	18	6	50	
EMM4060L125E1	●	6	25	6	75	
EMM4060L130E1	●	6	30	6	75	
EMM4060L130H	●	6	30	6	100	
EMM4080L124	●	8	24	8	60	
EMM4080L130E1	●	8	30	8	75	
EMM4080L135H	●	8	35	8	100	
EMM4080L140M	●	8	40	8	150	
EMM4100L130	●	10	30	10	75	
EMM4100L140H	●	10	40	10	100	
EMM4100L145H	●	10	45	10	100	
EMM4100L150M	●	10	50	10	150	
NEW EMM4100L155H	●	10	55	10	100	
EMM4120L136	●	12	36	12	75	
EMM4120L145H	●	12	45	12	100	
EMM4120L150M	●	12	50	12	150	
EMM4120L155H	●	12	55	12	100	
EMM4130L139D16	●	13	39	16	100	
EMM4140L142	●	14	42	16	100	

※ 請接下頁。 ※ Continued on next page.



產品型號 Model No	在庫 Stock	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
EMM4140L142D14		14	42	14	100	
EMM4160L170M	●	16	70	16	150	
EMM4200L180M	●	20	80	20	150	

EMM 4000L1 系列切削參數

The Cutting Data For EMM 4000L1 Series

被加工材質
Material

鋼
Steel

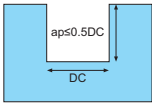
不鏽鋼
Stainless steel

鑄鐵
Cast Iron

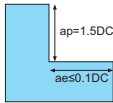
直徑 (mm) Shank		4	6	8	10	12	16	18	20
轉速 n (min)		4800	3100	2300	1900	1600	1200	1240	1060
進給速度 Vf (mm/min)	開槽 Slotted	200	180	180	180	180	200	225	300
	側邊 Side	700	500	580	580	410	300	450	240

切削深度 Cutting depth

開槽 Slotted



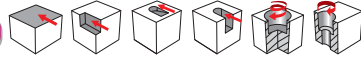
側邊 Side



ap：軸向切削深度 Axial depth of cutting
ae：徑向切削深度 Radial depth of cutting
DC：刃徑 Diameter of cutting

EPM 2000

2 刃鎢鋼立銑刀
2 Flutes Carbide End Mill


新規格上市
New Specification Arrival


產品型號 Model No	在庫 Stock	切削直徑 DC	切削長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
EPM2010L103		1	3	4	50	
NEW EPM2020	●	2	5	4	50	
EPM2020L106		2	6	4	50	
EPM2020L106D6		2	6	6	50	
EPM2030L109		3	9	4	50	
EPM2030L109D6	●	3	9	6	50	
EPM2040	●	4	10	4	50	
EPM2040L112		4	12	4	50	
EPM2040L112D6		4	12	6	50	
NEW EPM2050L115		5	15	6	50	
EPM2060		6	15	6	50	
EPM2060E1	●	6	15	6	75	
EPM2060L118		6	18	6	50	
EPM2070L121		7	21	8	60	
EPM2080L124	●	8	24	8	60	
EPM2080L124H		8	24	8	100	
EPM2090L127		9	27	10	75	
EPM2100L130		10	30	10	75	
EPM2100H	●	10	25	10	100	
EPM2100M	●	10	25	10	150	
EPM2110L133		11	33	12	75	
EPM2120L136		12	36	12	75	
EPM2120L150H	●	12	50	12	100	
EPM2120L150M	●	12	50	12	150	

EPM 2000系列切削參數

The Cutting Data For EPM 2000 Series

被加工材質
Material

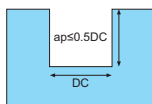
合金鋼
Alloy Steel

碳鋼
Carbon Steel

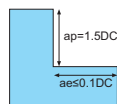
直徑 (mm) Shank		4	6	8	10	12	16	20
轉速 n (min)		4800	3100	2300	1900	160	1200	950
進給速度 (mm/min) Vf	開槽 Slotted	135	120	120	120	120	135	135
	側邊 Side	475	325	375	375	275	200	165

切削深度 Cutting depth

開槽 Slotted



側邊 Side

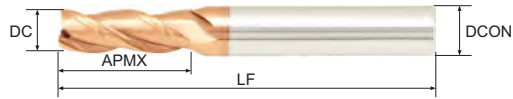


ap : 軸向切削深度 Axial depth of cutting

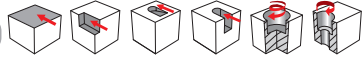
ae : 徑向切削深度 Radial depth of cutting

DC : 刃徑 Diameter of cutting

EPM 3000

3 刃鎢鋼立銼刀
3 Flutes Carbide End Mill


新規格上市
New Specification Arrival



產品型號 Model No	在庫 Stock	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
NEW EPM3040L112E1D6	●	4	12	6	75	
EPM3050	●	5	12.5	6	50	
EPM3050L115		5	15	6	50	
EPM3055L1165		5.5	16.5	6	50	
EPM3060		6	15	6	50	
EPM3070L121	●	7	21	8	60	
EPM3080		8	20	8	60	
EPM3100		10	25	10	75	
EPM3100L130		10	30	10	75	

EPM 3000系列切削參數

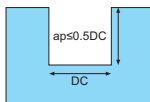
The Cutting Data For EPM 3000 Series

被加工材質 Material **合金鋼 Alloy Steel** **碳鋼 Carbon Steel**

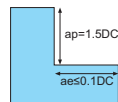
直徑 (mm) Shank		6	8	10
轉速 n (min)		3100	2300	1900
進給速度 Vf (mm/min)	開槽 Slotted	180	180	180
	側邊 Side	600	580	580

切削深度 Cutting depth

開槽 Slotted



側邊 Side



ap : 軸向切削深度 Axial depth of cutting

ae : 徑向切削深度 Radial depth of cutting

DC : 刃徑 Diameter of cutting

EPM4000 series

專用特殊塗層
Special Coating for

合金鋼 Alloy Steel

碳鋼 Carbon Steel

4 刃鎢鋼立銑刀 4 Flutes Carbide End Mills

螺旋角
35°設計

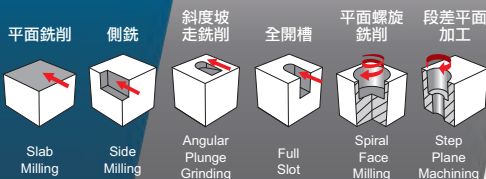
35° Helix
Angle Design

可側銑 可插槽

Suitable for side milling and slotting

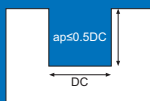
全新P500高耐磨、高韌性材質

New P500 Material With High Wear
Resistance And Toughness.

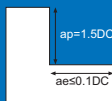


切削深度
Cutting depth

開槽 Slotted



側邊 Side



ap: 軸向切削深度

Axial depth of cutting

ac: 徑向切削深度

Radial depth of cutting

DC: 刃徑

Diameter of cutting

可加工高硬度HRC55°~60°，獨特刃體結構設計，降低加工震動

提升刀具使用壽命，加強排屑效率，全新材質抗震性佳，耐震高、抗磨損

Capable of machining high hardness HRC 55° to 60°, unique cutting edge structure reduces machining vibration, enhances tool life and improves chip evacuation efficiency, excellent vibration resistance, high durability, and wear resistance with the new material.

EPM 4000系列切削參數

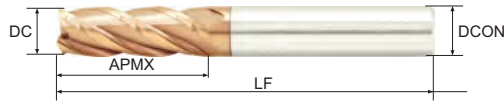
The Cutting Data For EPM 4000 Series

被加工材質
Material

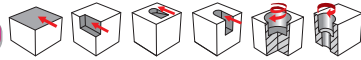
合金鋼
Alloy Steel

碳鋼
Carbon Steel

直徑 (mm) Shank	4	6	8	10	12	16
轉速 n (min)	4800	3100	2300	1900	1600	1200
進給速度 Vf (mm/min)	開槽 Slotted	270	240	240	240	270
	側邊 Side	950	650	750	750	400

EPM 4000 4 刃鎢鋼立銑刀
4 Flutes Carbide End Mill


新品上市
New Arrival



	產品型號 Model No	在庫 Stock	切削直徑	切刃長度	柄部直徑	標準全長	價格 Price
			DC	APMX	DCON	LF	
NEW	EPM4010		2.5	2.5	4	50	
NEW	EPM4010L103	●	3	3	4	50	
NEW	EPM4015	●	1.5	3.75	4	50	
NEW	EPM4015L104		1.5	4	4	50	
NEW	EPM4020		5	5	4	50	
NEW	EPM4020L106		2	6	4	50	
NEW	EPM4030		7.5	7.5	4	50	
NEW	EPM4040		10	10	4	50	
NEW	EPM4040L112		4	12	4	50	
NEW	EPM4050		12.5	12.5	6	50	
NEW	EPM4060		15	15	6	60	
NEW	EPM4060L118		6	18	6	50	
NEW	EPM4060E1		6	15	6	75	
NEW	EPM4080		20	20	8	60	
NEW	EPM4100		25	25	10	75	
NEW	EPM4100L130	●	30	30	10	75	
NEW	EPM4120		30	30	12	75	
NEW	EPM4160		48	48	16	100	

EPM 4000系列切削參數

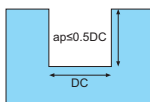
The Cutting Data For EPM 4000 Series

被加工材質 Material **合金鋼 Alloy Steel** **碳鋼 Carbon Steel**

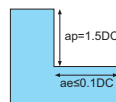
直徑 (mm) Shank		4	6	8	10	12	16
轉速 n (min)		4800	3100	2300	1900	1600	1200
進給速度 Vf (mm/min)	開槽 Slotted	270	240	240	240	240	270
	側邊 Side	950	650	750	750	550	400

切削深度 Cutting depth

開槽 Slotted



側邊 Side


ap : 軸向切削深度 Axial depth of cutting
ae : 徑向切削深度 Radial depth of cutting
DC : 刃徑 Diameter of cutting

GMM 3000 series 3 Flute Carbide End Mill

3 刃鎢鋼立銑刀

可側銑、可插槽
Slotted, Side

採用螺旋角45°設計，全新鎢鋼刀體

獨特刀體結構設計，有效抑制加工震動

提升銑刀加工壽命，加強排屑效率

採用超細粒子硬質合金AlTiN塗層

增加刀具耐磨耗性，可加工硬度HRC50°~55°

Helix angle 45° design, new product launches, special flute structure design, with vibration reduction during processing, high effectiveness chip removal and with longer life for tools, ultra-fine particle cemented carbide AlTiN coating increases tool wearability, high ductility material HRC 50°~55°.

適用材質
Processing on

鋼
Steel

不鏽鋼
Stainless Steel

鑄鐵
Cast Iron



GMM 3000系列切削參數

The Cutting Data For GMM 3000 Series

直徑 (mm) Shank		4	6	8	10	12
轉速 n (min)		4700	3100	2300	1900	1500
(mm/min) 進給速度 Vf	開槽 Slotted	280	180	180	180	135
	側邊 Side	1100	600	580	580	450

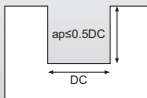
切削深度 Cutting depth

ap: 軸向切削深度 Axial depth of cutting

ae: 徑向切削深度 Radial depth of cutting

DC: 刃徑 Diameter of cutting

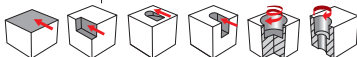
開槽 Slotted



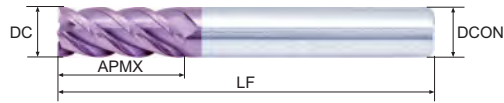
側邊 Side



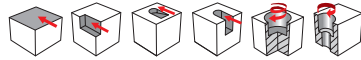
GMM 3000 3刃鎢鋼立銑刀 3 Flutes Carbided End Mill



產品型號 Model No	在庫 Stock	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
GMM3030	●	3	7.5	4	50	
GMM3040	●	4	10	4	50	
GMM3050	●	5	12.5	6	50	
GMM3060	●	6	15	6	50	
GMM3080	●	8	20	8	60	
GMM3100	●	10	25	10	75	
GMM3120	●	12	30	12	75	

GMM 4000 4 刃鎢鋼立銑刀
4 Flutes Carbided End Mill


新規格上市
New Specification Arrival



NEW

產品型號 Model No	在庫 Stock	切削直徑 DC	切削長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
GMM4010	●	1	2.5	4	50	
GMM4010L103	●	1	3	4	50	
GMM4015	●	1.5	3.75	4	50	
GMM4015L103	●	1.5	3	4	50	
GMM4015L104	●	1.5	4	4	50	
GMM4020	●	2	5	4	50	
GMM4020L106	●	2	6	4	50	
GMM4020L106D6		2	6	6	50	
GMM4025	●	2.5	6.25	4	50	
GMM4025L106	●	2.5	6	4	50	
GMM4025L107	●	2.5	7	4	50	
GMM4025L1075	●	2.5	7.5	4	50	
GMM4030	●	3	7.5	4	50	
GMM4030L108	●	3	8	4	50	
GMM4030L109	●	3	9	4	50	
GMM4030L112D6	●	3	12	6	50	
GMM4035	●	3.5	8.75	4	50	
GMM4035L1105	●	3.5	10.5	4	50	
GMM4040	●	4	10	4	50	
GMM4040L112	●	4	12	4	50	
GMM4045	●	4.5	11.25	6	50	
GMM4050	●	5	12.5	6	50	
GMM4050L115	●	5	15	6	50	
GMM4055	●	5.5	13.75	6	50	
GMM4060	●	6	15	6	50	
GMM4065	●	6.5	16.25	8	60	
GMM4070	●	7	17.5	8	60	
GMM4075	●	7.5	18.75	8	60	
GMM4080	●	8	20	8	60	
GMM4085	●	8.5	21.25	10	75	
GMM4090	●	9	22.5	10	75	
GMM4095	●	9.5	23.75	10	75	
GMM4100	●	10	25	10	75	

※ 請接下頁。 ※ Continued on next page.

產品型號 Model No	在庫 Stock	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
GMM4105	●	10.5	26.25	12	75	
GMM4110	●	11	27.5	12	75	
GMM4115	●	11.5	28.75	12	75	
GMM4120	●	12	30	12	75	
GMM4130	●	13	32.5	16	100	
GMM4140	●	14	35	16	100	
GMM4150	●	15	37.5	16	100	
GMM4160	●	16	48	16	100	
GMM4170	●	17	42.5	20	100	
GMM4180	●	18	45	20	100	
GMM4190	●	19	47.5	20	100	
GMM4200	●	20	50	20	100	
GMM4220	●	22	55	25	100	
GMM4250	●	25	62.5	25	100	

GMM 4000系列切削參數

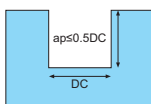
The Cutting Data For GMM 4000 Series

被加工材質 Material 鋼 Steel 不鏽鋼 Stainless steel 鑄鐵 Cast Iron

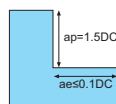
直徑 (mm) Shank		4	6	8	10	12	16	20	25
轉速 n (min)		4800	3100	2300	1900	1600	1200	1060	800
進給速度 (mm/min) Vf	開槽 Slotted	270	240	240	240	240	270	250	230
	側邊 Side	950	650	750	750	550	400	400	320

切削深度 Cutting depth

開槽 Slotted

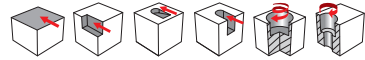


側邊 Side



ap : 軸向切削深度 Axial depth of cutting
ae : 徑向切削深度 Radial depth of cutting
DC : 刃徑 Diameter of cutting

GMM 6000

6 刃鎢鋼立銑刀
6 Flutes Carbide End Mill


產品型號 Model No	在庫 Stock	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
GMM6040	●	4	10	4	50	
GMM6045	●	4.5	11.25	6	50	
GMM6050	●	5	12.5	6	50	
GMM6060	●	6	15	6	50	
GMM6060L118	●	6	18	6	50	
GMM6080	●	8	20	8	60	
GMM6100	●	10	25	10	75	
GMM6100L130	●	10	30	10	75	
GMM6120	●	12	30	12	75	
GMM6160	●	16	48	16	100	
GMM6200	●	20	50	20	100	
GMM6250	●	25	62.5	25	100	

GMM 6000系列切削參數

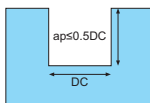
The Cutting Data For GMM 6000 Series

被加工材質 Material
鋼 Steel 不鏽鋼 Stainless steel 鑄鐵 Cast Iron

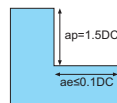
直徑 (mm) Shank	4	6	8	10	12	16	20	25
轉速 n (min)	4800	3100	2300	1900	1600	1200	1060	800
進給速度 Vf (mm/min)	開槽 Slotted	405	300	360	360	360	405	350
	側邊 Side	1450	1000	1150	1150	850	600	480

切削深度 Cutting depth

開槽 Slotted



側邊 Side


ap : 軸向切削深度 Axial depth of cutting
ae : 徑向切削深度 Radial depth of cutting
DC : 刃徑 Diameter of cutting

6刀鎢鋼端銑刀 6 Flutes Tungsten Carbide End Mill



螺旋角45°設計
Helix Angle Design 45°

新品上市
New Arrival

GPM6000 series 高精度加工專用刀 Designed for High Precision Machining

全新鎢鋼刀體結構設計，高穩定性可有效，降低加工震動
提升刀具使用壽命，有效控制排屑效率穩定，適用於側銑及插槽

With a new tungsten carbide blade structure, excellent vibration resistance effectively reduces machining vibrations, extends tool life and reduces chipping from tool vibrations, new silicon-titanium coating with high wear resistance and toughness.

Capable of machining high hardness HRC 55°~60°, provides excellent machining surfaces and stable chip evacuation efficiency.

適用加工特殊材質
Special Coating for

合金鋼 Alloy Steel



碳鋼 Carbon Steel



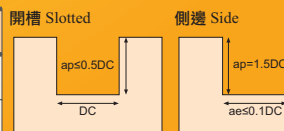
	產品型號 Model No	在庫 Stock	切削直徑	切刃長度	柄部直徑	標準全長	價格 Price
			DC	APMX	DCON	LF	
NEW	GPM6040		4	10	4	50	
NEW	GPM6045		4.5	11.25	6	50	
NEW	GPM6050		5	12.5	6	50	
NEW	GPM6060	●	6	15	6	50	
NEW	GPM6060L118		6	18	6	50	
NEW	GPM6080		8	20	8	60	
NEW	GPM6100	●	10	25	10	75	
NEW	GPM6100L130		10	30	10	75	
NEW	GPM6120		12	30	12	75	
NEW	GPM6160		16	48	16	100	
NEW	GPM6200		20	50	20	100	
NEW	GPM6250		25	62.5	25	100	

GPM 6000系列切削參數

The Cutting Data For GMM 6000 Series

直徑 (mm) Shank	4	6	8	10	12	16	20	25
轉速 n (min)	4800	3100	2300	1900	1600	1200	1060	800
進給速度 Vf (mm/min)	開槽 Slotted	405	300	360	360	405	405	350
	側邊 Side	1450	1000	1150	1150	850	600	480

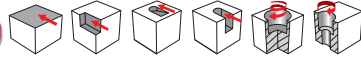
切削深度 Cutting depth



ap: 軸向切削深度 Axial depth of cutting
ae: 徑向切削深度 Radial depth of cutting
DC: 刀徑 Diameter of cutting

MU-EMM 4000 圖溝 4 刃鎢鋼立銑刀
4 Flutes Rounded Land Carbide End Mill


新規格上市
New Specification Arrival



產品型號 Model No	在庫 Stock	切削直徑 DC	切削長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
MU-EMM4030	●	3	7.5	4	50	
MU-EMM4030D6	●	3	7.5	6	50	
MU-EMM4030L109D6	●	3	9	6	50	
MU-EMM4040	●	4	10	4	50	
MU-EMM4040D6	●	4	10	6	50	
MU-EMM4040L112	●	4	12	4	50	
MU-EMM4040L112D6	●	4	12	6	50	
MU-EMM4050	●	5	12.5	6	50	
MU-EMM4050L115	●	5	15	6	50	
MU-EMM4060	●	6	15	6	50	
MU-EMM4060L118	●	6	18	6	50	
MU-EMM4060E1	●	6	15	6	75	
MU-EMM4070	●	7	17.5	8	60	
MU-EMM4070L121	●	7	21	8	60	
MU-EMM4080	●	8	20	8	60	
MU-EMM4080L124	●	8	24	8	60	
MU-EMM4090	●	9	22.5	10	75	
MU-EMM4090L127	●	9	27	10	75	
MU-EMM4100	●	10	25	10	75	
MU-EMM4100L130	●	10	30	10	75	
MU-EMM4110H	●	11	27.5	12	75	
MU-EMM4120	●	12	30	12	75	
MU-EMM4120L136	●	12	36	12	75	
MU-EMM4140	●	14	35	16	100	
MU-EMM4160	●	16	48	16	100	
MU-EMM4160L160M	●	16	60	16	150	
MU-EMM4200	●	20	50	20	100	

NEW



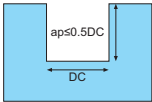
MU-EMM 4000系列切削參數
The Cutting Data For MU-EMM 4000 Series

被加工材質 Material 鋼 Steel 不鏽鋼 Stainless steel 鑄鐵 Cast Iron

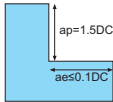
直徑 (mm) Shank		4	6	8	10	12	16	20
轉速 n (min)		4800	3100	2300	1900	1600	1200	1060
(mm/min) 進給速度 Vf	開槽 Slotted	270	240	240	240	240	270	250
	側邊 Side	950	650	750	750	550	400	400

切削深度 Cutting depth

開槽 Slotted

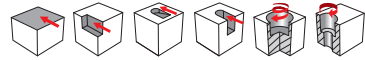
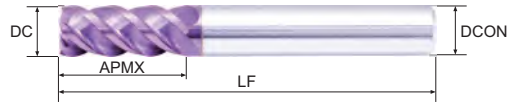


側邊 Side



ap：軸向切削深度 Axial depth of cutting
ae：徑向切削深度 Radial depth of cutting
DC：刃徑 Diameter of cutting

MU-GMM 4000

 圓溝 4 刃鎢鋼立銼刀
4 Flutes Rounded Land Carbide End Mill


產品型號 Model No	在庫 Stock	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
MU-GMM4010	●	1	2.5	4	50	
MU-GMM4015	●	1.5	3.75	4	50	
MU-GMM4020	●	2	5	4	50	
MU-GMM4030	●	3	7.5	4	50	
MU-GMM4030L109	●	3	9	4	50	
MU-GMM4030D6	●	3	7.5	6	50	
MU-GMM4031L1093	●	3.1	9.3	4	50	
MU-GMM4032L1096	●	3.2	9.6	4	50	
MU-GMM4033L1099	●	3.3	9.9	4	50	
MU-GMM4034L1102	●	3.4	10.2	4	50	
MU-GMM4035	●	3.5	8.75	4	50	
MU-GMM4035D6	●	3.5	8.75	6	50	
MU-GMM4035L1105	●	3.5	10.5	4	50	
MU-GMM4036L1108	●	3.6	10.8	4	50	
MU-GMM4037L1111	●	3.7	11.1	4	50	
MU-GMM4038L1114	●	3.8	11.4	4	50	
MU-GMM4039L1117	●	3.9	11.7	4	50	
MU-GMM4040	●	4	10	4	50	
MU-GMM4040D6	●	4	10	6	50	
MU-GMM4040L112	●	4	12	4	50	
MU-GMM4040L112D6	●	4	12	6	50	
MU-GMM4040E1	●	4	12.5	4	75	
MU-GMM4041L1123	●	4.1	12.3	6	50	
MU-GMM4042L1126	●	4.2	12.6	6	50	
MU-GMM4043L1129	●	4.3	12.9	6	50	
MU-GMM4044L1132	●	4.4	13.2	6	50	
MU-GMM4045L1135	●	4.5	13.5	6	50	
MU-GMM4046L1138	●	4.6	13.8	6	50	
MU-GMM4047L1141	●	4.7	14.1	6	50	
MU-GMM4048L1144	●	4.8	14.4	6	50	
MU-GMM4049L1147	●	4.9	14.7	6	50	
MU-GMM4050	●	5	12.5	6	50	
MU-GMM4050L115	●	5	15	6	50	

※ 請接下頁。 ※ Continued on next page.

產品型號 Model No	在庫 Stock	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
MU-GMM4050E1	●	5	12.5	6	75	
MU-GMM4050H	●	5	12.5	6	100	
MU-GMM4050L120H	●	5	20	6	100	
MU-GMM4051L1153	●	5.1	15.3	6	50	
MU-GMM4052L1156	●	5.2	15.6	6	50	
MU-GMM4053L1159	●	5.3	15.9	6	50	
MU-GMM4054L1162	●	5.4	16.2	6	50	
MU-GMM4055	●	5.5	13.75	6	50	
MU-GMM4055L1165	●	5.5	16.5	6	50	
MU-GMM4056L1168	●	5.6	16.8	6	50	
MU-GMM4057L1171	●	5.7	17.1	6	50	
MU-GMM4058L1174	●	5.8	17.4	6	50	
MU-GMM4059L1177	●	5.9	17.7	6	50	
MU-GMM4060	●	6	15	6	50	
MU-GMM4060L118	●	6	18	6	50	
MU-GMM4060D	●	6	15	6	60	
MU-GMM4060E1	●	6	15	6	75	
MU-GMM4060H	●	6	15	6	100	
MU-GMM4061L1183	●	6.1	18.3	8	60	
MU-GMM4062L1186	●	6.2	18.6	8	60	
MU-GMM4063L1189	●	6.3	18.9	8	60	
MU-GMM4064L1191	●	6.4	19.1	8	60	
MU-GMM4064L1192	●	6.4	19.2	8	60	
MU-GMM4065	●	6.5	16.25	8	60	
MU-GMM4065L1195	●	6.5	19.5	8	60	
MU-GMM4066L1198	●	6.6	19.8	8	60	
MU-GMM4067L1201	●	6.7	20.1	8	60	
MU-GMM4068L1204	●	6.8	20.4	8	60	
MU-GMM4069L1207	●	6.9	20.7	8	60	
MU-GMM4070	●	7	17.5	8	60	
MU-GMM4070L121	●	7	21.0	8	60	
MU-GMM4071L1213	●	7.1	21.3	8	60	
MU-GMM4072L1216	●	7.2	21.6	8	60	

※ 請接下頁。 ※ Continued on next page.

產品型號 Model No	在庫 Stock	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
MU-GMM4073L1219	●	7.3	21.9	8	60	
MU-GMM4074L1222	●	7.4	22.2	8	60	
MU-GMM4075	●	7.5	18.75	8	60	
MU-GMM4075L1225	●	7.5	22.5	8	60	
MU-GMM4076L1228	●	7.6	22.8	8	60	
MU-GMM4077L1231	●	7.7	23.1	8	60	
MU-GMM4078L1234	●	7.8	23.4	8	60	
MU-GMM4079L1237	●	7.9	23.7	8	60	
MU-GMM4080	●	8	20	8	60	
MU-GMM4080L124	●	8	24	8	60	
MU-GMM4080E1	●	8	20	8	75	
MU-GMM4080H	●	8	20	8	100	
MU-GMM4080M	●	8	20	8	150	
MU-GMM4081L1243	●	8.1	24.3	10	75	
MU-GMM4082L1246	●	8.2	24.6	10	75	
MU-GMM4083L1249	●	8.3	24.9	10	75	
MU-GMM4084L1252	●	8.4	25.2	10	75	
MU-GMM4085L1255	●	8.5	25.5	10	75	
MU-GMM4086L1258	●	8.6	25.8	10	75	
MU-GMM4087L1261	●	8.7	26.1	10	75	
MU-GMM4088L1264	●	8.8	26.4	10	75	
MU-GMM4089L1267	●	8.9	26.7	10	75	
MU-GMM4090	●	9	22.5	10	75	
MU-GMM4090L127	●	9	27	10	75	
MU-GMM4091L1273	●	9.1	27.3	10	75	
MU-GMM4092L1276	●	9.2	27.6	10	75	
MU-GMM4093L1279	●	9.3	27.9	10	75	
MU-GMM4094L130	●	9.4	30	10	75	
MU-GMM4094L1282	●	9.4	28.2	10	75	
MU-GMM4095L1285	●	9.5	28.5	10	75	
MU-GMM4096L1288	●	9.6	28.8	10	75	
MU-GMM4097L1291	●	9.7	29.1	10	75	
MU-GMM4098L1294	●	9.8	29.4	10	75	

※ 請接下頁。 ※ Continued on next page.



產品型號 Model No	在庫 Stock	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
MU-GMM4099L1297	●	9.9	29.7	10	75	
MU-GMM4100	●	10	25	10	75	
MU-GMM4100L130	●	10	30	10	75	
MU-GMM4100H	●	10	25	10	100	
MU-GMM4100L130H	●	10	30	10	100	
MU-GMM4100M	●	10	25	10	150	
MU-GMM4110	●	11	27.5	12	75	
MU-GMM4120	●	12	30	12	75	
MU-GMM4120L136	●	12	36	12	75	
MU-GMM4120H	●	12	30	12	100	
MU-GMM4120L155H	●	12	55	12	100	
MU-GMM4120M	●	12	30	12	150	
MU-GMM4120L155M	●	12	55	12	150	
MU-GMM4140	●	14	35	16	100	
MU-GMM4142		14.2	35.5	16	100	
MU-GMM4160	●	16	48	16	100	
MU-GMM4160M	●	16	48	16	150	
MU-GMM4180	●	18	45	20	100	
MU-GMM4200	●	20	50	20	100	

MU-GMM 4000系列切削參數

The Cutting Data For MU-GMM 4000 Series

被加工材質
Material

鋼
Steel

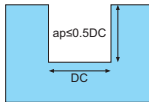
不鏽鋼
Stainless steel

鑄鐵
Cast Iron

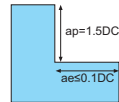
直徑 (mm) Shank		4	6	8	10	12	16	20
轉速 n (min)		4800	3100	2300	1900	1600	1200	1060
(mm/min) 進給速度 V _f	開槽 Slotted	270	240	240	240	240	270	250
	側邊 Side	950	650	750	750	550	400	400

切削深度 Cutting depth

開槽 Slotted



側邊 Side



ap : 軸向切削深度 Axial depth of cutting

ae : 徑向切削深度 Radial depth of cutting

DC : 刃徑 Diameter of cutting

MU-GPM4000 series

4 刃圓溝鎢鋼端銑刀

4 Flute Rounded Land Carbide End Mills

全新鈦塗層，高耐磨、高韌性材質

加工高硬度可達HRC55°~60°

New silicon-titanium coating with high wear resistance and toughness, capable of machining high hardness HRC 55°~60°

擁有優良加工表面，有效控制排屑效率穩定，抗震性佳，可有效降低加工震動、提升刀具使用壽命，減少刀具震動的崩損，採用螺旋角45°設計，採用國際公差標準h5，公差範圍控制在 μ 級精度，大幅提高了耐震性和耐崩損性，通過減少切削阻力，實現了高速高進給加工。

Provides excellent machining surfaces and stable chip evacuation efficiency, excellent vibration resistance effectively reduces machining vibrations, extends tool life and reduces chipping from tool vibrations, conforms to international tolerance standard h5, with tolerance controlled to micron-level accuracy, significantly enhance vibration and chipping resistance, achieves high-speed and high-feed machining by reducing cutting resistance.

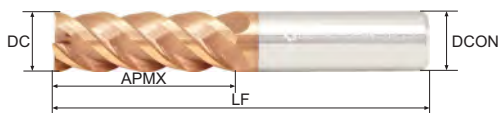
專用特殊塗層
Special Coating for

合金鋼 Alloy Steel

碳鋼 Carbon Steel

MU-GPM 4000

圓溝 4 刃鎢鋼立銑刀
4 Flutes Rounded Land Carbide End Mill



新品上市
New Arrival



產品型號 Model No	在庫 Stock	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
MU-GPM4020	●	2	5	4	50	
MU-GPM4040		4	10	4	50	
MU-GPM4050		5	12.5	6	50	
MU-GPM4060		6	15	6	50	
MU-GPM4060L118	●	6	18	6	50	
MU-GPM4080		8	20	8	60	
MU-GPM4090		9	22.5	10	75	
MU-GPM4100	●	10	25	10	75	
MU-GPM4100L130	●	10	30	10	75	
MU-GPM4120		12	30	12	75	
MU-GPM4120L136	●	12	36	12	75	
MU-GPM4160		16	48	16	100	

MU-GPM 4000系列切削參數

The Cutting Data For MU-GPM 4000 Series

被加工材質
Material

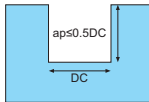
合金鋼
Alloy Steel

碳鋼
Carbon Steel

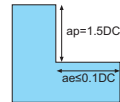
直徑 (mm) Shank		4	6	8	10	12	16
轉速 n (min)		4800	3100	2300	1900	1600	1200
進給速度 V _f (mm/min)	開槽 Slotted	270	240	240	240	240	270
	側邊 Side	950	650	750	750	550	400

切削深度 Cutting depth

開槽 Slotted



側邊 Side



ap : 軸向切削深度 Axial depth of cutting

ae : 徑向切削深度 Radial depth of cutting

DC : 刃徑 Diameter of cutting

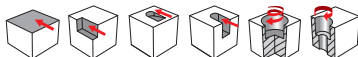


MU2-GPM 4000

4 刃圓溝雙隙除鉤鋼立銼刀
4 Flutes Rounded Land Double Edge Carbide End Mill



新規格上市
New Specification Arrival



產品型號 Model No	在庫 Stock	切削直徑 DC	切削長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
MU2-GPM4040	●	4	10	4	50	
MU2-GPM4040L112D6	●	4	12	6	50	
MU2-GPM4050	●	5	12.5	6	50	
MU2-GPM4050L115	●	5	15	6	50	
MU2-GPM4060	●	6	15	6	50	
MU2-GPM4060L118	●	6	18	6	50	
MU2-GPM4070L121	●	7	21	8	60	
MU2-GPM4080	●	8	20	8	60	
MU2-GPM4080L124	●	8	24	8	60	
MU2-GPM4100	●	10	25	10	75	
MU2-GPM4100L130	●	10	30	10	75	
MU2-GPM4105	●	10.5	26.25	12	75	
MU2-GPM4110	●	11	27.5	12	75	
MU2-GPM4120	●	12	30	12	75	
MU2-GPM4120L136	●	12	36	12	75	
MU2-GPM4160	●	16	48	16	100	
MU2-GPM4200	●	20	50	20	100	

NEW
NEW

MU2-GPM 4000系列切削參數

The Cutting Data For MU2-GPM 4000 Series

被加工材質
Material

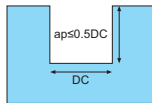
合金鋼
Alloy Steel

碳鋼
Carbon Steel

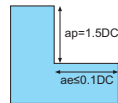
直徑 (mm) Shank		4	6	8	10	12	16	20
轉速 n (min)		6000	4000	2900	2400	1900	1500	1200
進給速度 (mm/min) V _f	開槽 Slotted	420	420	420	420	420	420	420
	側邊 Side	1100	800	950	750	500	480	400

切削深度 Cutting depth

開槽 Slotted



側邊 Side



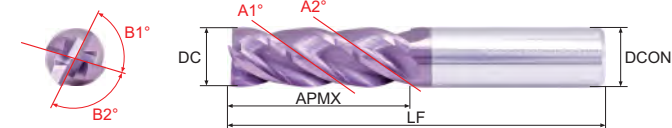
ap : 軸向切削深度 Axial depth of cutting

ae : 徑向切削深度 Radial depth of cutting

DC : 刃徑 Diameter of cutting

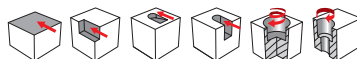
MUH-FMM 4000

圓溝不等分割不等螺旋 4 刃鎢鋼立銑刀
 Round land Unequal Spiral Unequal Division
 4 Flutes Carbide End Mill



不等分割 $B1^\circ \neq B2^\circ$
 Unequal Division

不等螺旋 $A1^\circ \neq A2^\circ$
 Unequal Spiral



產品型號 Model No	在庫 Stock	切削直徑 DC	切削長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
MUH-FMM4020L106		2	6	4	50	
MUH-FMM4030L109		3	9	4	50	
MUH-FMM4040L112		4	12	4	50	
MUH-FMM4050L115		5	15	6	50	
MUH-FMM4060		6	15	6	50	
MUH-FMM4060L118	●	6	18	6	50	
MUH-FMM4080		8	20	8	60	
MUH-FMM4080L124		8	24	8	60	
MUH-FMM4100		10	25	10	75	
MUH-FMM4100L130		10	30	10	75	
MUH-FMM4120		12	30	12	75	
MUH-FMM4120L136	●	12	36	12	75	
MUH-FMM4160	●	16	48	16	100	
MUH-FMM4200		20	50	20	100	

MUH-FMM 4000系列切削參數

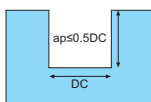
The Cutting Data For MUH-FMM 4000 Series

被加工材質 Material
 鋼 Steel 不鏽鋼 Stainless steel 鑄鐵 Cast Iron

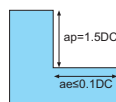
直徑 (mm) Shank	4	6	8	10	12	16	20
轉速 n (min)	6000	4000	2900	2400	1900	1500	1200
進給速度 Vf (mm/min)	開槽 Slotted	420	420	420	420	420	420
	側邊 Side	1100	800	950	750	500	400

切削深度 Cutting depth

開槽 Slotted



側邊 Side



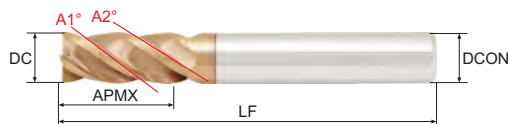
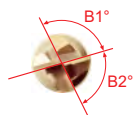
ap: 軸向切削深度 Axial depth of cutting

ae: 徑向切削深度 Radial depth of cutting

DC: 刃徑 Diameter of cutting

MUH-FPM 4000

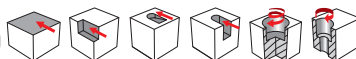
圓溝不等分割不等螺旋圓溝 4 刃鎢鋼立銼刀
Round Land Unequal Spiral & Unequal Division
4 Flutes Carbide End Mill



不等分割 $B1^\circ \neq B2^\circ$
Unequal Division

不等螺旋 $A1^\circ \neq A2^\circ$
Unequal Spiral

新規格上市
New Specification Arrival



產品型號 Model No	在庫 Stock	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
MUH-FPM4020L106	●	2	6	4	50	
MUH-FPM4025	●	2.5	6.25	4	50	
MUH-FPM4030L109	●	3	9	4	50	
MUH-FPM4040L112	●	4	12	4	50	
MUH-FPM4050L115	●	5	15	6	50	
MUH-FPM4060	●	6	15	6	50	
MUH-FPM4060L118	●	6	18	6	50	
MUH-FPM4080	●	8	20	8	60	
MUH-FPM4080L124	●	8	24	8	60	
MUH-FPM4100	●	10	25	10	75	
MUH-FPM4100L130	●	10	30	10	75	
MUH-FPM4120	●	12	30	12	75	
MUH-FPM4120L136	●	12	36	12	75	
MUH-FPM4120L145H	●	12	45	12	100	
MUH-FPM4160	●	16	48	16	100	
MUH-FPM4160L140	●	16	40	16	100	
MUH-FPM4200	●	20	50	20	100	

MUH-FPM 4000系列切削參數

The Cutting Data For MUH-FPM 4000 Series

被加工材質
Material

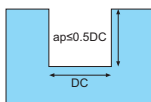
合金鋼
Alloy Steel

碳鋼
Carbon Steel

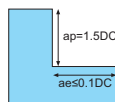
直徑 (mm) Shank	4	6	8	10	12	16	20
轉速 n (min)	6000	4000	2900	2400	1900	1500	1200
進給速度 Vf (mm/min)	開槽 Slotted	420	420	420	420	420	420
	側邊 Side	1100	800	950	750	500	400

切削深度 Cutting depth

開槽 Slotted



側邊 Side



ap : 軸向切削深度 Axial depth of cutting
ae : 徑向切削深度 Radial depth of cutting
DC : 刃徑 Diameter of cutting

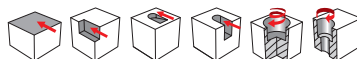


MUH-GMM 4000

圓溝不等分割 4 刃鎢鋼立銑刀
 4 Flutes Unequal Division Round Land
 Carbide End Mill



不等分割 $B1^\circ \neq B2^\circ$
 Unequal Division



產品型號 Model No	在庫 Stock	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
MUH-GMM4030	●	3	7.5	4	50	
MUH-GMM4040	●	4	10	4	50	
MUH-GMM4040L112	●	4	12	4	50	
MUH-GMM4050	●	5	12.5	6	50	
MUH-GMM4060	●	6	15	6	50	
MUH-GMM4070	●	7	17.5	8	60	
MUH-GMM4080	●	8	20	8	60	
MUH-GMM4080L124	●	8	24	8	60	
MUH-GMM4100	●	10	25	10	75	
MUH-GMM4100L130	●	10	30	10	75	
MUH-GMM4100H	●	10	25	10	100	
MUH-GMM4120	●	12	30	12	75	
MUH-GMM4120L136	●	12	36	12	75	
MUH-GMM4160	●	16	48	16	100	
MUH-GMM4200	●	20	50	20	100	

MUH-GMM 4000系列切削參數

The Cutting Data For MUH-GMM 4000 Series

被加工材質
 Material

鋼 Steel

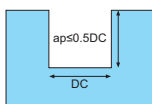
不鏽鋼 Stainless steel

鑄鐵 Cast Iron

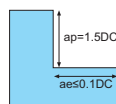
直徑 (mm) Shank	4	6	8	10	12	16	20
轉速 n (min)	6000	4000	2900	2400	1900	1500	1200
進給速度 Vf (mm/min)	開槽 Slotted	420	420	420	420	420	420
	側邊 Side	1100	800	950	750	500	400

切削深度 Cutting depth

開槽 Slotted



側邊 Side



ap: 軸向切削深度 Axial depth of cutting

ae: 徑向切削深度 Radial depth of cutting

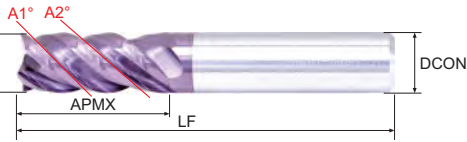
DC: 刃徑 Diameter of cutting

MUH-IMM 4000

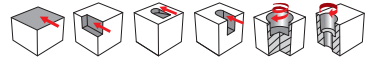
圓溝不等分割不等螺旋 4 刃鎢鋼立銑刀
Rounded Unequal Spiral & Unequal Division
4 Flutes Carbide End Mill



不等分割 $B1^\circ \neq B2^\circ$
Unequal Division



不等螺旋 $A1^\circ \neq A2^\circ$
Unequal Spiral



產品型號 Model No	在庫 Stock	切削直徑	切刃長度	柄部直徑	標準全長	價格 Price
		DC	APMX	DCON	LF	
MUH-IMM4030L109	●	3	9	4	50	
MUH-IMM4035L109	●	3.5	9	4	50	
MUH-IMM4040	●	4	10	4	50	
MUH-IMM4040L112	●	4	12	4	50	
MUH-IMM4040L112D6	●	4	12	6	50	
MUH-IMM4050	●	5	12.5	6	50	
MUH-IMM4050L112	●	5	12	6	50	
MUH-IMM4050L115	●	5	15	6	50	
MUH-IMM4055L113	●	5.5	13	6	50	
MUH-IMM4060	●	6	15	6	50	
MUH-IMM4060L118	●	6	18	6	50	
MUH-IMM4070	●	7	17.5	8	60	
MUH-IMM4070L121	●	7	21	8	60	
MUH-IMM4070L130E1	●	7	30	8	75	
MUH-IMM4073L1219	●	7.3	21.9	8	60	
MUH-IMM4075	●	7.5	18.75	8	60	
MUH-IMM4080	●	8	20	8	60	
MUH-IMM4080L124	●	8	24	8	60	
MUH-IMM4085L1255	●	8.5	25.5	10	75	
MUH-IMM4090	●	9	22.5	10	75	
MUH-IMM4095	●	9.5	23.75	10	75	
MUH-IMM4100	●	10	25	10	75	
MUH-IMM4100L130	●	10	30	10	75	
MUH-IMM4120	●	12	30	12	75	
MUH-IMM4120L136	●	12	36	12	75	
MUH-IMM4120L138	●	12	38	12	75	
MUH-IMM4120L140	●	12	40	12	75	
MUH-IMM4120H	●	12	30	12	100	
MUH-IMM4120L142H	●	12	42	12	100	
MUH-IMM4120L145H	●	12	45	12	100	
MUH-IMM4120L153H	●	12	53	12	100	
MUH-IMM4120L155H	●	12	55	12	100	
MUH-IMM4140	●	14	35	16	100	

※ 請接下頁。 ※ Continued on next page.

產品型號 Model No	在庫 Stock	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
MUH-IMM4150	●	15	37.5	16	100	
MUH-IMM4160L122E1	●	16	22	16	75	
MUH-IMM4160	●	16	48	16	100	
MUH-IMM4160L140	●	16	40	16	100	
MUH-IMM4160L155	●	16	55	16	100	
MUH-IMM4180	●	18	45	20	100	
MUH-IMM4190	●	19	47.5	20	100	
MUH-IMM4200	●	20	50	20	100	
MUH-IMM4200L160M	●	20	60	20	150	
MUH-IMM4200L170M	●	20	70	20	150	
MUH-IMM4200L175M	●	20	75	20	150	
MUH-IMM4200L1130R	●	20	130	20	200	

MUH-IMM 4000系列切削參數

The Cutting Data For MUH-IMM 4000 Series

被加工材質
Material

鋼
Steel

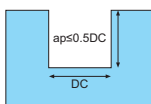
不鏽鋼
Stainless steel

鑄鐵
Cast Iron

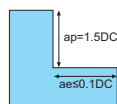
直徑 (mm) Shank	4	6	8	10	12	16	20
轉速 n (min)	6000	4000	2900	2400	1900	1500	1200
進給速度 Vf (mm/min)	開槽 Slotted	420	420	420	420	420	420
	側邊 Side	1100	800	950	750	500	400

切削深度 Cutting depth

開槽 Slotted



側邊 Side



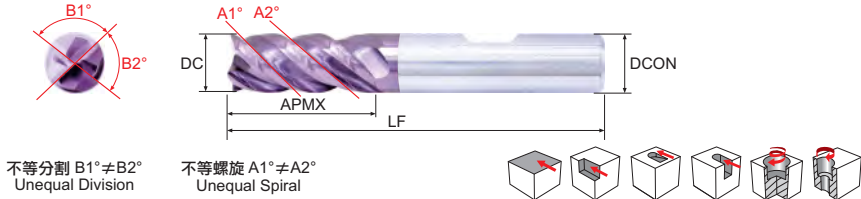
ap : 軸向切削深度 Axial depth of cutting

ae : 徑向切削深度 Radial depth of cutting

DC : 刃徑 Diameter of cutting

MUH-IMM 4000-DIN

圓溝不等分割不等螺旋 4 刃鎢鋼立銼刀－歐洲規格
Rounded Unequal Spiral & Unequal Division
4 Flutes Carbide End Mill-DIN



產品型號 Model No	在庫 Stock	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
MUH-IMM4040-DIN		4	10	4	50	
MUH-IMM4040D6-DIN	●	4	10	6	50	
MUH-IMM4060-DIN	●	6	15	6	50	
MUH-IMM4080-DIN	●	8	20	8	60	
MUH-IMM4100-DIN	●	10	25	10	75	
MUH-IMM4120-DIN	●	12	30	12	75	
MUH-IMM4160-DIN	●	16	48	16	100	
MUH-IMM4200-DIN	●	20	50	20	100	

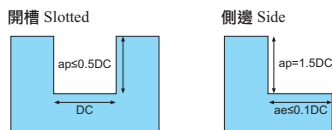
MUH-IMM 4000-DIN系列切削參數

The Cutting Data For MUH-IMM 4000-DIN Series

被加工材質 Material
鋼 Steel 不鏽鋼 Stainless steel 鑄鐵 Cast Iron

直徑 (mm) Shank		4	6	8	10	12	16	20
轉速 n (min)		6000	4000	2900	2400	1900	1500	1200
進給速度 (mm/min) Vf	開槽 Slotted	420	420	420	420	420	420	420
	側邊 Side	1100	800	950	750	500	480	400

切削深度 Cutting depth



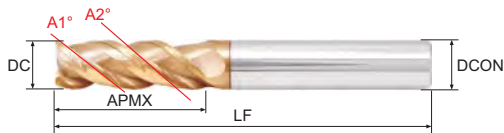
ap : 軸向切削深度 Axial depth of cutting
 ae : 徑向切削深度 Radial depth of cutting
 DC : 刃徑 Diameter of cutting

MUH-IPM 3000L1

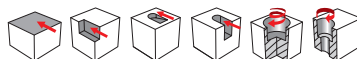
圓溝不等分割不等螺旋3刃抗震鎢鋼立銑刀
Round Land Unequal Spiral & Unequal Division
Seismic Performance 3 Flutes Carbide End Mill



不等分割 $B1^\circ \neq B2^\circ \neq B3^\circ$
Unequal Division



不等螺旋 $A1^\circ \neq A2^\circ$
Unequal Spiral



產品型號 Model No	在庫 Stock	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
MUH-IPM3040L112	●	4	12	4	50	
MUH-IPM3040L112D6	●	4	12	6	50	
MUH-IPM3050L115	●	5	15	6	50	
MUH-IPM3060L118	●	6	18	6	50	
MUH-IPM3080L124	●	8	24	8	60	
MUH-IPM3100L130	●	10	30	10	75	
MUH-IPM3120L136	●	12	36	12	75	
MUH-IPM3160L148	●	16	48	16	100	

MUH-IPM 3000L1系列切削參數

The Cutting Data For MUH-IPM 3000L1 Series

被加工材質
Material

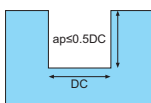
合金鋼
Alloy Steel

碳鋼
Carbon Steel

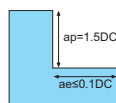
直徑 (mm) Shank	4	6	8	10	12	16	20
轉速 n (min)	6000	4000	2900	2400	1900	1500	1200
進給速度 (mm/min) Vf	開槽 Slotted	360	360	300	300	280	230
	側邊 Side	540	480	480	480	400	400

切削深度 Cutting depth

開槽 Slotted



側邊 Side



ap : 軸向切削深度 Axial depth of cutting

ae : 徑向切削深度 Radial depth of cutting

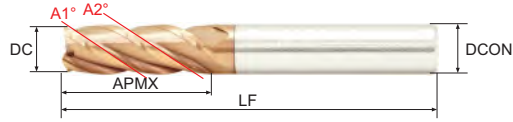
DC : 刃徑 Diameter of cutting

MUH-IPM 4000

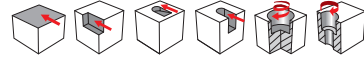
圓溝不等分割不等螺旋 4 刀抗震鎢鋼立銑刀
Round Land Unequal Spiral & Unequal Division
Seismic Performance 4 Flutes Carbide End Mill



不等分割 B1°≠B2°
Unequal Division



不等螺旋 A1°≠A2°
Unequal Spiral



產品型號 Model No	在庫 Stock	切削直徑	切刃長度	柄部直徑	標準全長	價格 Price
		DC	APMX	DCON	LF	
MUH-IPM4030D6	●	3	7.5	6	50	
MUH-IPM4040	●	4	10	4	50	
MUH-IPM4040D6	●	4	10	6	50	
MUH-IPM4040L112D6	●	4	12	6	50	
MUH-IPM4050	●	5	12.5	6	50	
MUH-IPM4050L115	●	5	15	6	50	
MUH-IPM4060	●	6	15	6	50	
MUH-IPM4060L118	●	6	18	6	50	
MUH-IPM4070	●	7	17.5	8	60	
MUH-IPM4070L121	●	7	21	8	60	
MUH-IPM4080	●	8	20	8	60	
MUH-IPM4080L124	●	8	24	8	60	
MUH-IPM4086	●	8.6	21.5	10	75	
MUH-IPM4090	●	9	22.5	10	75	
MUH-IPM4100	●	10	25	10	75	
MUH-IPM4100L130	●	10	30	10	75	
MUH-IPM4100L135	●	10	35	10	75	
MUH-IPM4120	●	12	30	12	75	
MUH-IPM4120L136	●	12	36	12	75	
MUH-IPM4120L155H	●	12	55	12	100	
MUH-IPM4160	●	16	48	16	100	
MUH-IPM4160L170M	●	16	70	16	150	
MUH-IPM4200	●	20	50	20	100	
MUH-IPM4200L160M	●	20	60	20	150	
MUH-IPM4200L170M	●	20	70	20	150	
MUH-IPM4200L180M	●	20	80	20	150	

MUH-IPM 4000系列切削參數

The Cutting Data For MUH-IPM 4000 Series

被加工材質
Material

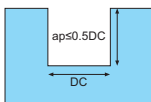
合金鋼
Alloy Steel

碳鋼
Carbon Steel

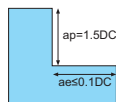
直徑 (mm) Shank		4	6	8	10	12	16	20
轉速 n (min)		6000	4000	2900	2400	1900	1500	1200
(mm/min) 進給速度 Vf	開槽 Slotted	480	350	350	300	300	300	300
	側邊 Side	720	640	580	580	580	480	400

切削深度 Cutting depth

開槽 Slotted



側邊 Side



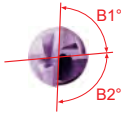
ap : 軸向切削深度 Axial depth of cutting

ae : 徑向切削深度 Radial depth of cutting

DC : 刃徑 Diameter of cutting

MUH-IGM 4000

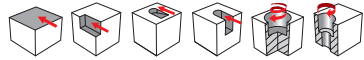
圓溝不等分割不等螺旋 4 刃鎢鋼立銑刀
Round land Unequal Spiral Unequal Division
4 Flutes Carbide End Mill



不等分割 $B1^\circ \neq B2^\circ$
Unequal Division



不等螺旋 $A1^\circ \neq A2^\circ$
Unequal Spiral



產品型號 Model No	在庫 Stock	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
MUH-IGM4040	●	4	10	4	50	
MUH-IGM4040L112	●	4	12	4	50	
MUH-IGM4050	●	5	12.5	6	50	
MUH-IGM4060	●	6	15	6	50	
MUH-IGM4060L118	●	6	18	6	50	
MUH-IGM4080	●	8	20	8	60	
MUH-IGM4080L124	●	8	24	8	60	
MUH-IGM4100	●	10	25	10	75	
MUH-IGM4100L130	●	10	30	10	75	
MUH-IGM4120	●	12	30	12	75	
MUH-IGM4120L136	●	12	36	12	75	

MUH-IGM 4000系列切削參數

The Cutting Data For MUH-IGM 4000 Series

被加工材質
Material

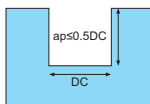
合金鋼
Alloy Steel

碳鋼
Carbon Steel

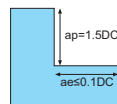
直徑 (mm) Shank	4	6	8	10	12
轉速 n (min)	6000	4000	2900	2400	1900
進給速度 VF (mm/min)	開槽 Slotted	420	420	420	420
	側邊 Side	1100	800	950	750

切削深度 Cutting depth

開槽 Slotted



側邊 Side



ap : 軸向切削深度 Axial depth of cutting

ae : 徑向切削深度 Radial depth of cutting

DC : 刃徑 Diameter of cutting

MUH-ITEM 4000

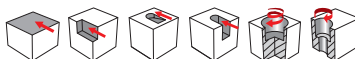
圓溝不等分割不等螺旋 4 刃鎢鋼立銑刀
Round land Unequal Spiral Unequal Division
4 Flutes Carbide End Mill



不等分割 $B1^\circ \neq B2^\circ$
Unequal Division

不等螺旋 $A1^\circ \neq A2^\circ$
Unequal Spiral

新規格上市
New Specification Arrival



產品型號 Model No	在庫 Stock	切削直徑 DC	切削長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
NEW MUH-ITEM4035L109D6	●	3.5	9	6	50	
MUH-ITEM4040	●	4	10	4	50	
MUH-ITEM4040L112	●	4	12	4	50	
MUH-ITEM4040L112D6	●	4	12	6	50	
MUH-ITEM4050L115	●	5	15	6	50	
MUH-ITEM4060	●	6	15	6	50	
MUH-ITEM4060L118	●	6	18	6	50	
MUH-ITEM4070L121	●	7	21	8	60	
MUH-ITEM4080	●	8	20	8	60	
MUH-ITEM4080L124	●	8	24	8	60	
MUH-ITEM4100	●	10	25	10	75	
MUH-ITEM4100L130	●	10	30	10	75	
MUH-ITEM4120	●	12	30	12	75	
MUH-ITEM4120L136	●	12	36	12	75	

MUH-ITEM 4000系列切削參數

The Cutting Data For MUH-ITEM 4000 Series

被加工材質
Material

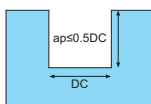
合金鋼
Alloy Steel

碳鋼
Carbon Steel

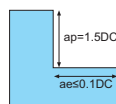
直徑 (mm) Shank	4	6	8	10	12
轉速 n (min)	6000	4000	2900	2400	1900
進給速度 (mm/min) VF	開槽 Slotted	420	420	420	420
	側邊 Side	1100	800	950	750

切削深度 Cutting depth

開槽 Slotted



側邊 Side



ap: 軸向切削深度 Axial depth of cutting

ae: 徑向切削深度 Radial depth of cutting

DC: 刃徑 Diameter of cutting



難削材 For Hard Materials

圓溝不等分割不等螺旋 Rounded Unequal Spiral & Unequal Division 4 Flutes Carbide End Mill

MUH-IYM 4000 series

4刀 鎢鋼端銑刀

特殊鍍鈦，適用於難切削材、航太零部件
提升耐高溫、耐磨耗度，表面不易沾黏金屬
可切削硬度達HRC55~60°

Special titanium coating is suitable for machining of hard materials or aerospace components.
Capable of cutting hardness HRC 55°~60°

不等角分割利於高速進給加工抗震性
不等螺旋角利於高速加工抗崩裂性

Unequal angle division is beneficial for high-speed feed machining and vibration resistance, unequal helix angle for enhanced resistance to chipping during high-speed machining.

採用螺旋角42°/45°設計，改變每刀進給量使每刀的銑削波形不再相同
可有效降低或避免刀具進行側銑時的切削震動紋路，有利於獲得高質量的加工表面和提高刀具壽命。
特殊U型溝槽設計，利於插銑加工時排屑優良，減少工件產生端口毛刺。

Helix angle design of 42°/45°, changes the feed per tooth, making the milling waveforms of each tooth different. It effectively reduces or prevents cutting vibration marks during side milling, effectively reduces or eliminates cutting vibration marks during side milling, achieves high-quality machining surfaces and extends tool life.
Special U-shaped groove design, which is good for chip removal during plunge milling, reducing burr formation at the edges of the workpiece.

■ MUH-IYM 4000 圓溝4刀鎢鋼立銑刀 4 Flutes Rounded Land Carbide End Mill



不等分割 B1° ≠ B2°
Unequal Division



不等螺旋 A1° ≠ A2°
Unequal Spiral



產品型號 Model No	在庫 Stock	切削直徑 DC	切削長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
MUH-IYM4040		4	10	4	50	
MUH-IYM4060		6	15	6	50	
MUH-IYM4080	●	8	20	8	60	
MUH-IYM4080L124	●	8	24	8	60	
MUH-IYM4100		10	25	10	75	
MUH-IYM4100L130	●	10	30	10	75	
MUH-IYM4120		12	30	12	75	
MUH-IYM4160		16	48	16	100	



MUH-IYM 4000系列切削參數

The Cutting Data For MUH-IYM 4000 Series

被加工材質 Material 鈦合金 Titanium

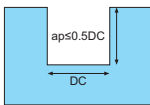
直徑 (mm) Shank		4	6	8	10	12	16
轉速 n (min)		4000	2600	2000	1600	1300	1000
(mm/min) 進給速度 Vf	開槽 Slotted	320	210	240	190	210	160
	側邊 Side	800	520	400	380	310	240

被加工材質 Material 鎳合金 Nickel Alloy

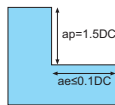
直徑 (mm) Shank		4	6	8	10	12	16
轉速 n (min)		2000	1300	1000	800	700	500
(mm/min) 進給速度 Vf	開槽 Slotted	160	105	120	95	100	80
	側邊 Side	400	260	200	190	155	120

切削深度 Cutting depth

開槽 Slotted

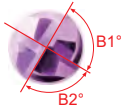


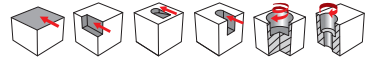
側邊 Side



ap : 軸向切削深度 Axial depth of cutting
ae : 徑向切削深度 Radial depth of cutting
DC : 刃徑 Diameter of cutting

LUH-IMM 4000

 車銑複合機用鎢鋼銑刀
Turning And Milling Center Carbide End Mill

 不等分割 $B1^\circ \neq B2^\circ$
Unequal Division

 不等螺旋 $A1^\circ \neq A2^\circ$
Unequal Spiral


產品型號 Model No	在庫 Stock	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
LUH-IMM4080	●	8	8	8	40	
LUH-IMM4080D6		8	8	6	40	
LUH-IMM4100D6		10	10	6	40	
LUH-IMM4120D10	●	12	12	10	40	
LUH-IMM4160D10		16	16	10	40	

LUH-IMM 4000系列切削參數

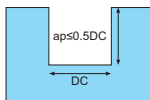
The Cutting Data For LUH-IMM 4000 Series

 被加工材質 Material
 鋼 Steel
不鏽鋼 Stainless steel
鑄鐵 Cast Iron

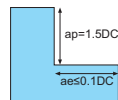
直徑 (mm) Shank		6	8	10
轉速 n (min)		4000	2900	2400
進給速度 (mm/min) Vf	開槽 Slotted	420	420	420
	側邊 Side	800	950	750

切削深度 Cutting depth

開槽 Slotted



側邊 Side



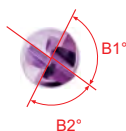
ap : 軸向切削深度 Axial depth of cutting

ae : 徑向切削深度 Radial depth of cutting

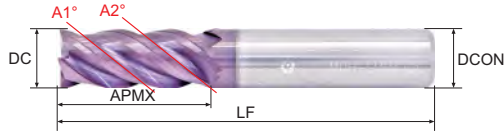
DC : 刃徑 Diameter of cutting

MMH-LMM 4000

平溝不等分割不等螺旋 4 刃鎢鋼立銑刀
Flat Land Unequal Spiral & Unequal Division
4 Flutes Carbide End Mill

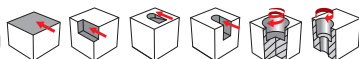


不等分割 $B1^\circ \neq B2^\circ$
Unequal Division



不等螺旋 $A1^\circ \neq A2^\circ$
Unequal Spiral

 **新規格上市**
New Specification Arrival



產品型號 Model No	在庫 Stock	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
MMH-LMM4040	●	4	10	4	50	
MMH-LMM4060	●	6	15	6	50	
MMH-LMM4080	●	8	20	8	60	
MMH-LMM4100	●	10	25	10	75	
MMH-LMM4100L140H	●	10	40	10	100	
MMH-LMM4120	●	12	30	12	75	
MMH-LMM4120L136	●	12	36	12	75	
MMH-LMM4160L155	●	16	55	16	100	
MMH-LMM4160M	●	16	48	16	150	

MMH-LMM 4000系列切削參數

The Cutting Data For MMH-LMM 4000 Series

被加工材質
Material

鋼
Steel

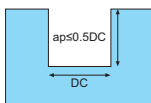
不鏽鋼
Stainless steel

鑄鐵
Cast iron

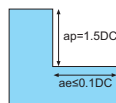
直徑 (mm) Shank	4	6	8	10	12	16
轉速 n (min)	6000	4000	2900	2400	1900	1500
進給速度 Vf (mm/min)	開槽 Slotted	420	420	420	420	420
	側邊 Side	1100	800	950	500	480

切削深度 Cutting depth

開槽 Slotted



側邊 Side



ap : 軸向切削深度 Axial depth of cutting

ae : 徑向切削深度 Radial depth of cutting

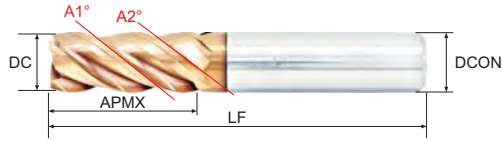
DC : 刃徑 Diameter of cutting

MMH-LPM 4000

平溝不等分割不等螺旋 4 刃鎢鋼立銼刀
Flat Land Unequal Spiral & Unequal Division
4 Flutes Carbide End Mill

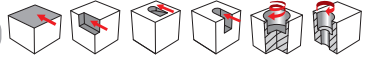


不等分割 $B1^\circ \neq B2^\circ$
Unequal Division



不等螺旋 $A1^\circ \neq A2^\circ$
Unequal Spiral

新規格上市
New Specification Arrival



產品型號 Model No	在庫 Stock	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
MMH-LPM4040	●	4	10	4	50	
MMH-LPM4055L1165	●	5.5	16.5	6	50	
MMH-LPM4060	●	6	15	6	50	
MMH-LPM4080	●	8	20	8	60	
NEW MMH-LPM4080L124	●	8	24	8	60	
MMH-LPM4100	●	10	25	10	75	
MMH-LPM4120	●	12	30	12	75	
NEW MMH-LPM4120L136	●	12	36	12	75	
MMH-LPM4160	●	16	48	16	100	

MMH-LPM 4000系列切削參數

The Cutting Data For MMH-LPM 4000 Series

被加工材質
Material

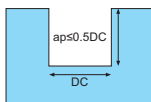
合金鋼
Alloy Steel

碳鋼
Carbon Steel

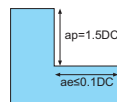
直徑 (mm) Shank	4	6	8	10	12	16
轉速 n (min)	6000	4000	2900	2400	1900	1500
進給速度 Vf (mm/min)	開槽 Slotted	420	420	420	420	420
	側邊 Side	1100	800	950	500	480

切削深度 Cutting depth

開槽 Slotted



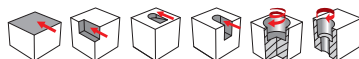
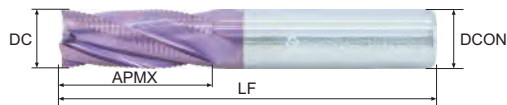
側邊 Side



ap : 軸向切削深度 Axial depth of cutting

ae : 徑向切削深度 Radial depth of cutting

DC : 刃徑 Diameter of cutting



產品型號 Model No	在庫 Stock	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
FM-CMM4060	●	6	15	6	50	
FM-CMM4080	●	8	20	8	60	
FM-CMM4100	●	10	25	10	75	
FM-CMM4120	●	12	30	12	75	
FM-CMM4120L136	●	12	36	12	75	
FM-CMM4160	●	16	48	16	100	

FM-CMM 4000系列切削參數

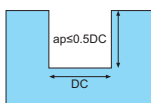
The Cutting Data For FM-CMM 4000 Series

被加工材質 Material  鋼 Steel  不鏽鋼 Stainless steel  鑄鐵 Cast Iron

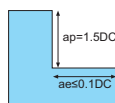
直徑 (mm) Shank		6	8	10	12	16
轉速 n (min)		3100	2300	1900	1600	1200
進給速度 Vf (mm/min)	開槽 Slotted	120	120	120	120	135
	側邊 Side	325	375	375	275	200

切削深度 Cutting depth

開槽 Slotted



側邊 Side



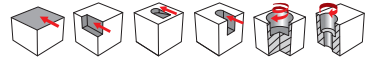
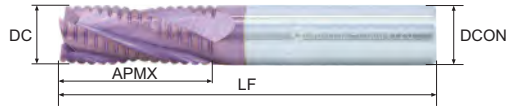
ap：軸向切削深度 Axial depth of cutting

ae：徑向切削深度 Radial depth of cutting

DC：刃徑 Diameter of cutting

RM-CMM 4000

粗銼 4 刃鎢鋼粗銼刀
4 Flutes Fine Pitch & Roughing Carbide End Mill



產品型號 Model No	在庫 Stock	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
RM-CMM4050	●	5	12.5	6	50	
RM-CMM4060	●	6	15	6	50	
RM-CMM4070	●	7	17.5	8	60	
RM-CMM4080	●	8	20	8	60	
RM-CMM4100	●	10	25	10	75	
RM-CMM4120	●	12	30	12	75	
RM-CMM4120L136	●	12	36	12	75	
RM-CMM4150	●	15	37.5	16	100	
RM-CMM4160	●	16	48	16	100	

RM-CMM 4000系列切削參數

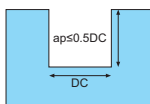
The Cutting Data For RM-CMM 4000 Series

被加工材質 Material
鋼 Steel 不鏽鋼 Stainless steel 鑄鐵 Cast Iron

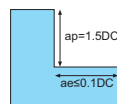
直徑 (mm) Shank		6	8	10	12	16
轉速 n (min)		3100	2300	1900	1600	1200
進給速度 Vf (mm/min)	開槽 Slotted	120	120	120	120	135
	側邊 Side	325	375	375	275	200

切削深度 Cutting depth

開槽 Slotted



側邊 Side



ap : 軸向切削深度 Axial depth of cutting

ae : 徑向切削深度 Radial depth of cutting

DC : 刃徑 Diameter of cutting

新規格上市
New Specification Arrival

產品型號 Model No	在庫 Stock	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	刃數 CICT	價格 Price
CFM-CWM8040	●	4	12	4	50	8	
CFM-CWM12050	●	5	15	6	50	12	
CFM-CWM12060	●	6	18	6	50	12	
CFM-CWM11060L124		6	24	6	50	11	
CFM-CWM14080L125	●	8	25	8	60	14	
CFM-CWM16100	●	10	30	10	75	16	
CFM-CWM17120L132		12	32	12	100	17	

CFM-CWM系列切削參數

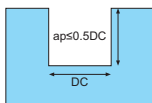
The Cutting Data For CFM-CWM Series

被加工材質
Material玻璃纖維
Glass Fiber碳纖維
Carbon Fiber

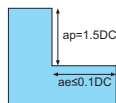
直徑 (mm) Shank		4	5	6	8	10	12
轉速 n (min)		6370	5100	4250	3190	2550	2130
進給速度 (mm/min) Vf	開槽 Slotted	510	550	470	450	410	360
	側邊 Side	1020	1160	940	900	820	730

切削深度 Cutting depth

開槽 Slotted



側邊 Side



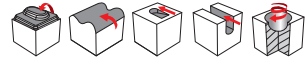
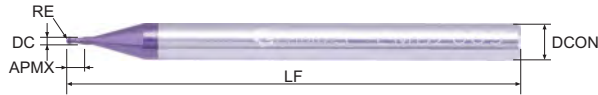
ap : 軸向切削深度 Axial depth of cutting

ae : 徑向切削深度 Radial depth of cutting

DC : 刃徑 Diameter of cutting

S-EMB 2000

微小徑球頭 2 刃鎢鋼立銑刀
Micro Diameter Carbide 2 Flutes Ball Nose End Mill



產品型號 Model No	在庫 Stock	刃角 R RE	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
S-EMB2003	●	0.15	0.3	0.6	4	50	
S-EMB2004	●	0.2	0.4	0.8	4	50	
S-EMB2005	●	0.25	0.5	1	4	50	
S-EMB2006	●	0.3	0.6	1.2	4	50	
S-EMB2007	●	0.35	0.7	1.4	4	50	
S-EMB2008	●	0.4	0.8	1.6	4	50	
S-EMB2009	●	0.45	0.9	1.8	4	50	

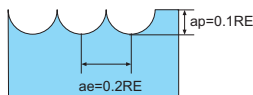
S-EMB 2000系列切削參數

The Cutting Data For S-EMB 2000 Series

被加工材質 Material 鋼 Steel 不鏽鋼 Stainless steel 鑄鐵 Cast Iron

直徑 (mm) Shank	4
轉速 n (min)	6400
進給速度 Vf (mm/min)	235

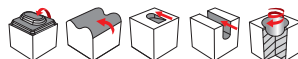
切削深度 Cutting depth



ap : 軸向切削深度 Axial depth of cutting
ae : 徑向切削深度 Radial depth of cutting
RE : 刃角 R Edge Angle

S-EMB 2000L2

微小徑長頸短刃球頭2刃鎢鋼立銑刀
Micro Diameter Long Neck Short Flute Ball Nose
2 Flutes Carbide End Mill



產品型號 Model No	在庫 Stock	刃角R RE	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	頸徑 DN	可使用長度 LU	標準全長 LF	價格 Price
S-EMB2004L202		0.2	0.4	0.32	4	0.37	2	50	
S-EMB2004L204		0.2	0.4	0.32	4	0.37	4	50	
S-EMB2005L202		0.25	0.5	0.4	4	0.46	2	50	
S-EMB2005L204	●	0.25	0.5	0.4	4	0.46	4	50	
S-EMB2005L206	●	0.25	0.5	0.4	4	0.46	6	50	
S-EMB2006L202		0.3	0.6	0.48	4	0.56	2	50	
S-EMB2006L204		0.3	0.6	0.48	4	0.56	4	50	
S-EMB2006L206		0.3	0.6	0.48	4	0.56	6	50	
S-EMB2006L208	●	0.3	0.6	0.48	4	0.56	8	50	
S-EMB2008L203	●	0.4	0.8	0.64	4	0.76	3	50	
S-EMB2008L204		0.4	0.8	0.64	4	0.76	4	50	
S-EMB2008L206		0.4	0.8	0.64	4	0.76	6	50	
S-EMB2008L208		0.4	0.8	0.64	4	0.76	8	50	
S-EMB2008L210		0.4	0.8	0.64	4	0.76	10	50	

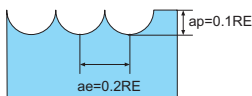
S-EMB 2000L2系列切削參數

The Cutting Data For S-EMB 2000L2 Series

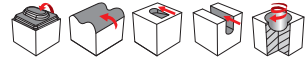
被加工材質 Material 鋼 Steel 不鏽鋼 Stainless steel 鑄鐵 Cast Iron

直徑 (mm) Shank	4
轉速 n (min)	6400
進給速度 Vf (mm/min)	235

切削深度 Cutting depth



ap : 軸向切削深度 Axial depth of cutting
ae : 徑向切削深度 Radial depth of cutting
RE : 刃角R R Edge Angle

S-EPB 2000 微小徑 2 刃球頭鎢鋼立銑刀
Micro Diameter 2 Flutes Ball Nose Carbide End Mill


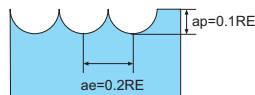
產品型號 Model No	在庫 Stock	刃角 R RE	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
S-EPB2003		0.15	0.3	0.6	4	50	
S-EPB2004	●	0.2	0.4	0.8	4	50	
S-EPB2005		0.25	0.5	1	4	50	
S-EPB2006	●	0.3	0.6	1.2	4	50	
S-EPB2007		0.35	0.7	1.4	4	50	
S-EPB2008	●	0.4	0.8	1.6	4	50	
S-EPB2009		0.45	0.9	1.8	4	50	

S-EPB 2000系列切削參數

The Cutting Data For S-EPB 2000 Series

被加工材質 Material **合金鋼 Alloy Steel** **碳鋼 Carbon Steel**

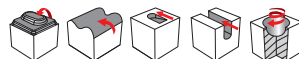
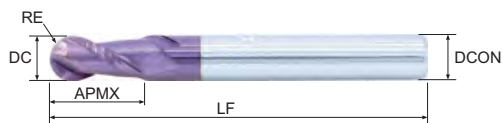
直徑 (mm) Shank	4
轉速 n (min)	6400
進給速度 Vf (mm/min)	235

切削深度 Cutting depth

ap : 軸向切削深度 Axial depth of cutting
ae : 徑向切削深度 Radial depth of cutting
RE : 刃角 R R Edge Angle



EMB 2000

球頭 2 刃鑄鋼立銑刀
2 Flutes Ball Nose Carbide End Mill



產品型號 Model No	在庫 Stock	刃角 R RE	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
EMB2010	●	0.5	1	2	4	50	
EMB2010D6	●	0.5	1	2	6	50	
EMB2010E1D6	●	0.5	1	2	6	75	
EMB2015	●	0.75	1.5	3	4	50	
EMB2015D6	●	0.75	1.5	3	6	50	
EMB2015E1D6	●	0.75	1.5	3	6	75	
EMB2020	●	1	2	4	4	50	
EMB2020D6	●	1	2	4	6	50	
EMB2020E1D6	●	1	2	4	6	75	
EMB2025	●	1.25	2.5	5	4	50	
EMB2025D6	●	1.25	2.5	5	6	50	
EMB2030	●	1.5	3	6	4	50	
EMB2030D3	●	1.5	3	6	3	50	
EMB2030D6	●	1.5	3	6	6	50	
EMB2030E1D6	●	1.5	3	6	6	75	
EMB2032	●	1.6	3.2	6.4	4	50	
EMB2035	●	1.75	3.5	7	4	50	
EMB2035D6	●	1.75	3.5	7	6	50	
EMB2035E1	●	1.75	3.5	7	4	75	
EMB2035E1D6	●	1.75	3.5	7	6	75	
EMB2040	●	2	4	8	4	50	
EMB2040D6	●	2	4	8	6	50	
EMB2040E1	●	2	4	8	4	75	
EMB2040E1D6	●	2	4	8	6	75	
EMB2040H	●	2	4	8	4	100	
EMB2040HD6	●	2	4	8	6	100	
EMB2042	●	2.1	4.2	8.4	6	50	
EMB2049	●	2.45	4.9	9.8	6	50	
EMB2050	●	2.5	5	10	6	50	
EMB2050E1	●	2.5	5	10	6	75	
EMB2050H	●	2.5	5	10	6	100	
EMB2056	●	2.8	5.6	11.2	6	50	
EMB2060	●	3	6	12	6	50	

※ 請接下頁。 ※ Continued on next page.

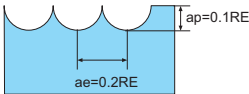
產品型號 Model No	在庫 Stock	刃角 R RE	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
EMB2060E1	●	3	6	12	6	75	
EMB2060H	●	3	6	12	6	100	
EMB2060M	●	3	6	12	6	150	
EMB2065	●	3.25	6.5	13	8	60	
EMB2069	●	3.45	6.9	13.8	8	60	
EMB2070	●	3.5	7	14	8	60	
EMB2080	●	4	8	16	8	60	
EMB2080E1	●	4	8	16	8	75	
EMB2080H	●	4	8	16	8	100	
EMB2080M	●	4	8	16	8	150	
EMB2080R	●	4	8	16	8	200	
EMB2090	●	4.5	9	18	10	75	
EMB2100	●	5	10	20	10	75	
EMB2100H	●	5	10	20	10	100	
EMB2100M	●	5	10	20	10	150	
EMB2100R	●	5	10	20	10	200	
EMB2120	●	6	12	24	12	75	
EMB2120H	●	6	12	24	12	100	
EMB2120M	●	6	12	24	12	150	
EMB2120R	●	6	12	24	12	200	
EMB2160	●	8	16	32	16	100	
EMB2160M	●	8	16	32	16	150	
EMB2160R	●	8	16	32	16	200	
EMB2200	●	10	20	40	20	100	
EMB2200M	●	10	20	40	20	150	
EMB2200R	●	10	20	40	20	200	

EMB 2000系列切削參數
The Cutting Data For EMB 2000 Series

被加工材質 Material 鋼 Steel 不鏽鋼 Stainless steel 鑄鐵 Cast Iron

直徑 (mm) Shank	3	4	6	8	10	12	16	20
轉速 n (min)	8400	6400	4300	3200	2600	2200	1600	1300
進給速度 Vf (mm/min)	150	235	245	275	275	255	230	205

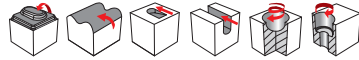
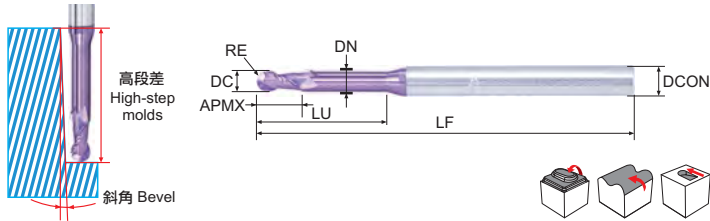
切削深度 Cutting depth



ap：軸向切削深度 Axial depth of cutting
ae：徑向切削深度 Radial depth of cutting
RE：刃角R R Edge Angle

EMB 2000L2

長頸球頭 2 刃鎢鋼立銑刀
Long Neck Short Flute 2 Flutes Ball Nose Carbide End Mill



產品型號 Model No	在庫 Stock	刃角 R RE	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	頸徑 DN	可使用長度 LU	標準全長 LF	價格 Price
EMB2010L204	●	0.5	1	0.8	4	0.95	4	50	
EMB2010L206	●	0.5	1	0.8	4	0.95	6	50	
EMB2010L208	●	0.5	1	0.8	4	0.95	8	50	
EMB2010L210	●	0.5	1	0.8	4	0.95	10	50	
EMB2010L212	●	0.5	1	0.8	4	0.95	12	50	
EMB2015L204	●	0.75	1.5	1.2	4	1.45	4	50	
EMB2015L206	●	0.75	1.5	1.2	4	1.45	6	50	
EMB2015L208	●	0.75	1.5	1.2	4	1.45	8	50	
EMB2015L210	●	0.75	1.5	1.2	4	1.45	10	50	
EMB2015L212	●	0.75	1.5	1.2	4	1.45	12	50	
EMB2020L206	●	1	2	1.6	4	1.94	6	50	
EMB2020L208	●	1	2	1.6	4	1.94	8	50	
EMB2020L210	●	1	2	1.6	4	1.94	10	50	
EMB2020L212	●	1	2	1.6	4	1.94	12	50	
EMB2020L212E1	●	1	2	1.6	4	1.94	12	75	
EMB2020L214		1	2	1.6	4	1.94	14	50	
EMB2020L216	●	1	2	1.6	4	1.94	16	50	
EMB2020L216E1	●	1	2	1.6	4	1.94	16	75	
EMB2030L208	●	1.5	3	2.4	4	2.85	8	50	
EMB2030L210	●	1.5	3	2.4	4	2.85	10	50	
EMB2030L212	●	1.5	3	2.4	4	2.85	12	50	
EMB2030L214	●	1.5	3	2.4	4	2.85	14	50	
EMB2030L216	●	1.5	3	2.4	4	2.85	16	50	
EMB2030L220	●	1.5	3	2.4	4	2.85	20	50	
EMB2040L212		2	4	3.2	4	3.8	12	50	
EMB2040L214		2	4	3.2	4	3.8	14	50	
EMB2040L216		2	4	3.2	4	3.8	16	50	
EMB2040L220		2	4	3.2	4	3.8	20	50	
EMB2040L225		2	4	3.2	4	3.8	25	50	
EMB2060L220		3	6	4.8	6	5.9	20	50	
EMB2060L235HD8	●	3	6	12	8	5.9	35	100	
EMB2060L240MD8	●	3	6	12	8	5.9	40	150	

EMB 2000L2系列切削參數

The Cutting Data For EMB 2000L2 Series

被加工材質
Material

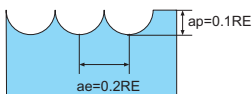
鋼
Steel

不鏽鋼
Stainless steel

鑄鐵
Cast Iron

直徑 (mm) Shank	4	6	8
轉速 n (min)	6400	4300	3200
進給速度 Vf (mm/min)	235	245	275

切削深度 Cutting depth

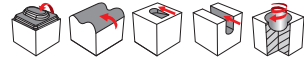
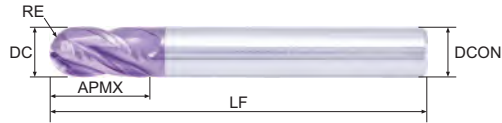


ap：軸向切削深度 Axial depth of cutting

ae：徑向切削深度 Radial depth of cutting

RE：刃角R R Edge Angle

EMB 4000

 球頭 4 刃鎢鋼立銼刀
4 Flutes Ball Nose Carbide End Mill


產品型號 Model No	在庫 Stock	刃角 R RE	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
EMB4010		0.5	1	2	4	50	
EMB4015		0.75	1.5	3	4	50	
EMB4020	●	1	2	4	4	50	
EMB4030	●	1.5	3	6	4	50	
EMB4035	●	1.75	3.5	7	4	50	
EMB4035D6	●	1.75	3.5	7	6	50	
EMB4040	●	2	4	8	4	50	
EMB4040D6	●	2	4	8	6	50	
EMB4040E1	●	2	4	8	4	75	
EMB4040H	●	2	4	8	4	100	
EMB4045	●	2.25	4.5	9	6	50	
EMB4050	●	2.5	5	10	6	50	
EMB4060	●	3	6	12	6	50	
EMB4060E1	●	3	6	12	6	75	
EMB4060H	●	3	6	12	6	100	
EMB4070L1175	●	3.5	7	17.5	8	60	
EMB4080	●	4	8	16	8	60	
EMB4080E1	●	4	8	16	8	75	
EMB4080H	●	4	8	16	8	100	
EMB4080M	●	4	8	16	8	150	
EMB4100	●	5	10	20	10	75	
EMB4100H	●	5	10	20	10	100	
EMB4100M	●	5	10	20	10	150	
EMB4120	●	6	12	24	12	75	
EMB4120H	●	6	12	24	12	100	
EMB4120M	●	6	12	24	12	150	
EMB4160	●	8	16	32	16	100	
EMB4160M	●	8	16	32	16	150	
EMB4200	●	10	20	40	20	100	

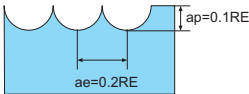
EMB 4000系列切削參數

The Cutting Data For EMB 4000 Series

被加工材質 Material 鋼 Steel 不鏽鋼 Stainless steel 鑄鐵 Cast Iron

直徑 (mm) Shank	4	6	8	10	12	16	20
轉速 n (min)	6400	4300	3200	2600	2200	1600	1300
進給速度 Vf (mm/min)	470	490	550	550	510	450	410

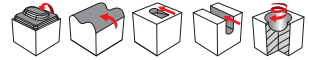
切削深度 Cutting depth



ap：軸向切削深度 Axial depth of cutting
ae：徑向切削深度 Radial depth of cutting
RE：刃角 R Edge Angle

EWB 2000

鋁用球頭 2 刃鎢鋼立銑刀
For Aluminum Ball Nose 2 Flutes Carbide End Mill



產品型號 Model No	在庫 Stock	刃角 R RE	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
EWB2010		0.5	1	2	4	50	
EWB2015		0.75	1.5	3	4	50	
EWB2020	●	1	2	4	4	50	
EWB2030	●	1.5	3	6	4	50	
EWB2040	●	2	4	8	4	50	
EWB2050		2.5	5	10	6	50	
EWB2060	●	3	6	12	6	50	
EWB2060E1		3	6	12	6	75	
EWB2080		4	8	16	8	60	
EWB2100		5	10	20	10	75	
EWB2100H		5	10	20	10	100	
EWB2120		6	12	24	12	75	

EWB 2000系列切削參數

The Cutting Data For EWB 2000 Series

被加工材質
Material

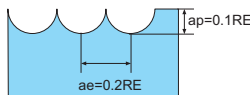
鋁合金
Aluminum

銅
Copper

塑膠
Copper

直徑 (mm) Shank	4	6	8	10	12
轉速 n (min)	6400	4300	3200	2600	2200
進給速度 Vf (mm/min)	235	245	275	275	255

切削深度 Cutting depth

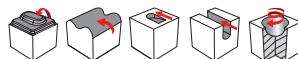


ap : 軸向切削深度 Axial depth of cutting
ae : 徑向切削深度 Radial depth of cutting
RE : 刃角 R R Edge Angle

EPB 2000 球頭 2 刃鎢鋼立銼刀
2 Flutes Ball Nose Carbide End Mill



新規格上市
New Specification Arrival



產品型號 Model No	在庫 Stock	刃角 R RE	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
EPB2010	●	0.5	1	2	4	50	
EPB2015	●	0.75	1.5	3	4	50	
EPB2020	●	1	2	4	4	50	
EPB2030	●	1.5	3	6	4	50	
EPB2030D3	●	1.5	3	6	3	50	
EPB2030D6	●	1.5	3	6	6	50	
EPB2040	●	2	4	8	4	50	
EPB2050	●	2.5	5	10	6	50	
EPB2060	●	3	6	12	6	50	
EPB2060E1	●	3	6	12	6	75	
EPB2060H	●	3	6	12	6	100	
NEW EPB2070	●	3.5	7	14	8	60	
EPB2080	●	4	8	16	8	60	
NEW EPB2080E1	●	4	8	16	8	75	
EPB2100	●	5	10	20	10	75	
EPB2100H	●	5	10	20	10	100	
EPB2100M	●	5	10	20	10	150	
EPB2120	●	6	12	24	12	75	
EPB2120L150M	●	6	12	50	12	150	
EPB2160		8	16	32	16	100	
EPB2200		10	20	40	20	100	

EPB 2000系列切削參數

The Cutting Data For EPB 2000 Series

被加工材質
Material

合金鋼
Alloy Steel

碳鋼
Carbon Steel

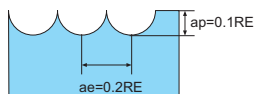
直徑 (mm) Shank	3	4	6	8	10	12	16	20
轉速 n (min)	8400	6400	4300	3200	2600	2200	1600	1300
進給速度 Vf (mm/min)	150	235	245	275	275	255	230	205

切削深度 Cutting depth

ap : 軸向切削深度 Axial depth of cutting

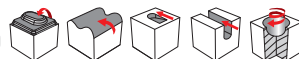
ae : 徑向切削深度 Radial depth of cutting

RE : 刃角 R R Edge Angle



EPB 4000 球頭 4 刃鎢鋼立銼刀
4 Flutes Ball Nose Carbide End Mill


新規格上市
New Specification Arrival



產品型號 Model No	在庫 Stock	刃角 R RE	切削直徑 DC	切刀長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
EPB4020	●	1	2	4	4	50	
EPB4030		1.5	3	6	4	50	
EPB4040	●	2	4	8	4	50	
EPB4050	●	2.5	5	10	6	50	
NEW EPB4055	●	2.75	5.5	11	6	50	
EPB4060	●	3	6	12	6	50	
EPB4065	●	3.25	6.5	13	8	60	
EPB4070L1175	●	3.5	7	17.5	8	60	
EPB4080	●	4	8	16	8	60	
EPB4100	●	5	10	20	10	75	
EPB4120	●	6	12	24	12	75	
EPB4160		8	16	32	16	100	
EPB4200		10	20	40	20	100	

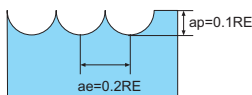
EPB 4000系列切削參數

The Cutting Data For EPB 4000 Series

被加工材質 Material **合金鋼 Alloy Steel** **碳鋼 Carbon Steel**

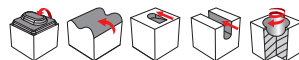
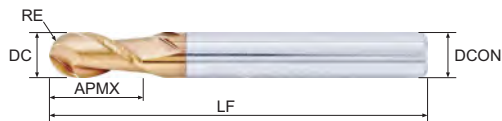
直徑 (mm) Shank	4	6	8	10	12	16	20
轉速 n (min)	6400	4300	3200	2600	2200	1600	1300
進給速度 Vf (mm/min)	470	490	550	550	510	460	410

切削深度 Cutting depth



ap : 軸向切削深度 Axial depth of cutting
ae : 徑向切削深度 Radial depth of cutting
RE : 刃角 R Edge Angle

EEB 2000 球頭 2 刃鎢鋼立銼刀
2 Flutes Ball Nose Carbide End Mill



產品型號 Model No	在庫 Stock	刃角 R RE	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
EEB2020		1	2	4	4	50	
EEB2030		1.5	3	6	4	50	
EEB2040		2	4	8	4	50	
EEB2050	●	2.5	5	10	6	50	
EEB2060	●	3	6	12	6	50	
EEB2080	●	4	8	16	8	60	
EEB2100		5	10	20	10	75	
EEB2120		6	12	24	12	75	

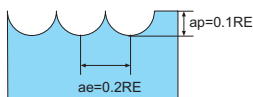
EEB 2000系列切削參數

The Cutting Data For EEB 2000 Series

被加工材質 Material 合金鋼 Alloy Steel 碳鋼 Carbon Steel

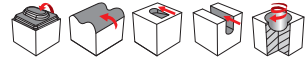
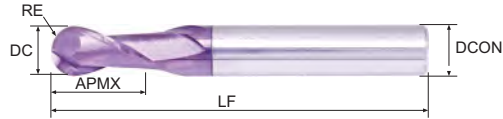
直徑 (mm) Shank	4	6	8	10	12
轉速 n (min)	6400	4300	3200	2600	2200
進給速度 Vf (mm/min)	235	245	275	275	255

切削深度 Cutting depth



ap : 軸向切削深度 Axial depth of cutting
ae : 徑向切削深度 Radial depth of cutting
RE : 刃角 R R Edge Angle

DMB 2000

 球頭 2 刃鎢鋼立銑刀
2 Flutes Ball Nose Carbide End Mill


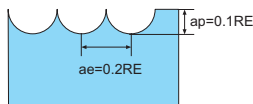
產品型號 Model No	在庫 Stock	刃角 R RE	切削直徑 DC	切刀長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
DMB2030	●	1.5	3	6	4	50	
DMB2030D6	●	1.5	3	6	6	50	
DMB2040	●	2	4	8	4	50	
DMB2045	●	2.25	4.5	9	6	50	
DMB2050	●	2.5	5	10	6	50	
DMB2060	●	3	6	12	6	50	
DMB2070	●	3.5	7	14	8	60	
DMB2080	●	4	8	16	8	60	
DMB2090	●	4.5	9	18	10	75	
DMB2100	●	5	10	20	10	75	
DMB2120	●	6	12	24	12	75	

DMB 2000系列切削參數

The Cutting Data For DMB 2000 Series

 被加工材質 Material
 鋼 Steel
不鏽鋼 Stainless steel
鑄鐵 Cast Iron

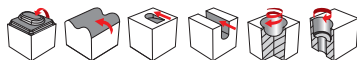
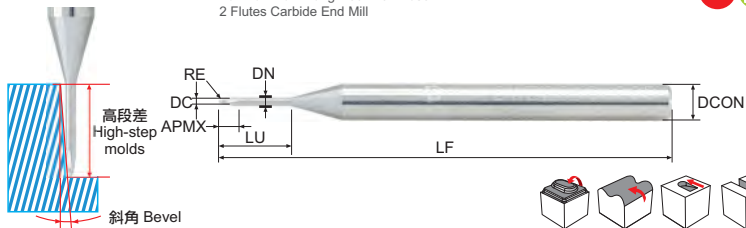
直徑 (mm) Shank	4	6	8	10	12
轉速 n (min)	6400	4300	3200	2600	2200
進給速度 Vf (mm/min)	235	245	275	275	255

切削深度 Cutting depth


ap : 軸向切削深度 Axial depth of cutting
 ae : 徑向切削深度 Radial depth of cutting
 RE : 刃角 R Edge Angle

DWB 2000L2

鋁用長頸球頭 2 刀齒鋼立銑刀
For Aluminum Long Neck Ball Nose
2 Flutes Carbide End Mill



產品型號 Model No	在庫 Stock	刃角 R RE	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	頸徑 DN	可使用長度 LU	標準全長 LF	價格 Price
DWB2010L204	●	0.5	1	0.8	4	0.95	4	50	
DWB2010L206	●	0.5	1	0.8	4	0.95	6	50	
DWB2010L208	●	0.5	1	0.8	4	0.95	8	50	

DWB 2000L2系列切削參數

The Cutting Data For DWB 2000L2 Series

被加工材質
Material

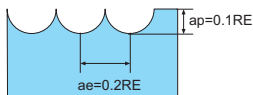
鋁合金
Aluminum

銅
Copper

塑膠
Plastic

直徑 (mm) Shank	4
轉速 n (min)	10500
進給速度 Vf (mm/min)	1260

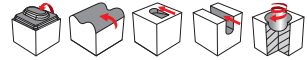
切削深度 Cutting depth



ap : 軸向切削深度 Axial depth of cutting
ae : 徑向切削深度 Radial depth of cutting
RE : 刃角 R Edge Angle

DPB 2000

球頭 2 刃鎢鋼立銑刀
2 Flutes Ball Nose Carbide End Mill



產品型號 Model No	在庫 Stock	刃角 R RE	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
DPB2060	●	3	6	12	6	50	
DPB2060H	●	3	6	12	6	100	
DPB2100H	●	5	10	20	10	100	

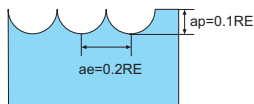
DPB 2000系列切削參數

The Cutting Data For DPB 2000 Series

被加工材質 Material 合金鋼 Alloy Steel 碳鋼 Carbon Steel

直徑 (mm) Shank	6	10
轉速 n (min)	4300	2600
進給速度 Vf (mm/min)	245	275

切削深度 Cutting depth



ap : 軸向切削深度 Axial depth of cutting
ae : 徑向切削深度 Radial depth of cutting
RE : 刃角 R Edge Angle



產品型號 Model No	在庫 Stock	刃角 R RE1	刃角 R RE2	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	刃數 CICT	價格 Price
PA-DPB4060L1140R45	●	1	45	6	14	6	50	4	
PA-DPB4060L1205R100	●	1	100	6	20.5	6	50	4	
PA-DPB6060L1140R45	●	1	45	6	14	6	50	6	
PA-DPB4080L1160R45		1.5	45	8	16	8	60	4	
PA-DPB4080L1220R95	●	1.5	95	8	22	8	60	4	
PA-DPB6080L1160R45	●	1.5	45	8	16	8	60	6	
PA-DPB4100L1245R90	●	2	90	10	24.5	10	75	4	
PA-DPB6100L1165R40	●	2	40	10	16.5	10	75	6	
PA-DPB6100L1175R40		2	40	10	17.5	10	75	6	
PA-DPB4120L1270R85		2	85	12	27	12	75	4	
PA-DPB6120L1185R40	●	2	40	12	18.5	12	75	6	

PA-DPB系列切削參數

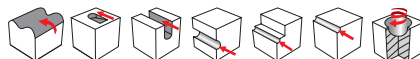
The Cutting Data For PA-DPB Series

被加工材質 Material 合金鋼 Alloy Steel 碳鋼 Carbon Steel

刃角 R R Angle	1	1.5	2	切削直徑 DC Diameter of Cutting	6	8	10	12
轉速 n (min)	9500	6400	4800	轉速 n (min)	9500	7200	5700	4800
進給速度 Vf (mm/min)	3000	2000	2300	進給速度 Vf (mm/min)	5200	3900	3100	2600

拋物線銑削加工面積範圍比較 Comparison of the machining area range of parabolic milling



EPU 4000L1 260° 內R角 4 刃鎢鋼立銑刀
260° Inner Radius 4 Flutes Carbide End Mill


產品型號 Model No	在庫 Stock	刃角 R RE	切削直徑 DC	頸徑 DN	切刃長度 APMX	柄部直徑 DCON	可使用長度 LU	標準全長 LF	價格 Price
EPU4020L1016L204	●	1	2	1.5	1.63	4	4	50	
EPU4030L1024L206		1.5	3	2.3	2.46	4	6	50	
EPU4040L1033L208	●	2	4	3	3.3	4	8	50	
EPU4050L1041L210	●	2.5	5	3.65	4.1	6	10	50	
EPU4060L1049L212	●	3	6	4.6	4.93	6	12	50	
EPU4080L1065L216	●	4	8	5.9	6.58	8	16	60	
EPU4100L1082L220	●	5	10	7.6	8.22	10	20	75	
EPU4120L1098L224	●	6	12	9.2	9.86	12	24	75	
EPU4120L1100L221		6	12	9.2	10	12	21	75	
EPU4160L1133L232		8	16	12.2	13.37	16	32	100	

EPU 4000L1 系列切削參數

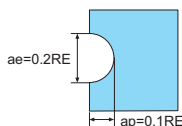
The Cutting Data For EPU 4000 Series

被加工材質
Material

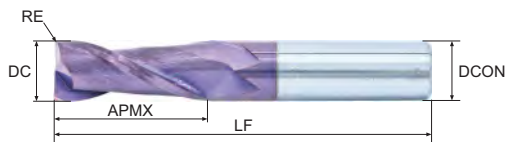
合金鋼
Alloy Steel

碳 鋼
Carbon Steel

刃角 R R Angle	1	1.5	2	2.5	3	4	5	6	8
轉速 n (min)	12700	8500	6400	5100	4300	3200	2600	2200	1600
進給速度 Vf (mm/min)	450	450	470	470	490	500	550	510	450

切削深度 Cutting depth

ap : 軸向切削深度 Axial depth of cutting
ae : 徑向切削深度 Radial depth of cutting
RE : 刃角 R R Edge Angle

DMR 2000R00

 圓鼻 2 刃鎢鋼立銑刀
 2 Flutes Corner Radius Carbide End Mill


產品型號 Model No	在庫 Stock	刃角 R RE	切削直徑 DC	切削長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
DMR2010R02	●	0.2	1	2.5	4	50	
DMR2010R02E1D6	●	0.2	1	2.5	6	75	
DMR2015R02	●	0.2	1.5	3.75	4	50	
DMR2015R02E1D6	●	0.2	1.5	3.75	6	75	
DMR2020R02	●	0.2	2	5	4	50	
DMR2020R05	●	0.5	2	5	4	50	
DMR2020R05E1D6	●	0.5	2	5	6	75	
DMR2025R02	●	0.2	2.5	6.25	4	50	
DMR2030R02	●	0.2	3	7.5	4	50	
DMR2030R02E1	●	0.2	3	7.5	4	75	
DMR2030R05	●	0.5	3	7.5	4	50	
DMR2030R05E1	●	0.5	3	7.5	4	75	
DMR2030R10	●	1	3	7.5	4	50	
DMR2030R10D6	●	1	3	7.5	6	50	
DMR2030R10E1	●	1	3	7.5	4	75	
DMR2040R02	●	0.2	4	10	4	50	
DMR2040R02E1	●	0.2	4	10	4	75	
DMR2040R02H	●	0.2	4	10	4	100	
DMR2040R05	●	0.5	4	10	4	50	
DMR2040R05E1	●	0.5	4	10	4	75	
DMR2040R05H	●	0.5	4	10	4	100	
DMR2040R10	●	1	4	10	4	50	
DMR2040R10E1	●	1	4	10	4	75	
DMR2040R10H	●	1	4	10	4	100	
DMR2040R15D6	●	1.5	4	10	6	50	
DMR2060R02	●	0.2	6	15	6	50	
DMR2060R02E1	●	0.2	6	15	6	75	
DMR2060R02H	●	0.2	6	15	6	100	
DMR2060R05	●	0.5	6	15	6	50	
DMR2060R05E1	●	0.5	6	15	6	75	
DMR2060R05H	●	0.5	6	15	6	100	
DMR2060R10	●	1	6	15	6	50	
DMR2060R10E1	●	1	6	15	6	75	

※ 請接下一頁。 ※ Continued on next page.

產品型號 Model No	在庫 Stock	刃角 R RE	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
DMR2060R10H	●	1	6	15	6	100	
DMR2060R20	●	2	6	15	6	50	
DMR2080R05	●	0.5	8	20	8	60	
DMR2080R05E1	●	0.5	8	20	8	75	
DMR2080R05H	●	0.5	8	20	8	100	
DMR2080R10	●	1	8	20	8	60	
DMR2080R10E1	●	1	8	20	8	75	
DMR2080R10H	●	1	8	20	8	100	
DMR2100R05	●	0.5	10	25	10	75	
DMR2100R05H	●	0.5	10	25	10	100	
DMR2100R10	●	1	10	25	10	75	
DMR2100R10H	●	1	10	25	10	100	
DMR2120R05	●	0.5	12	30	12	75	
DMR2120R05H	●	0.5	12	30	12	100	
DMR2120R10	●	1	12	30	12	75	
DMR2120R10H	●	1	12	30	12	100	

DMR 2000R00系列切削參數

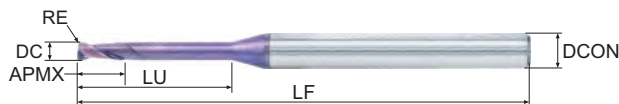
The Cutting Data For DMR 2000R00 Series

被加工材質 Material 鋼 Steel 不鏽鋼 Stainless steel 鑄鐵 Cast Iron

直徑 (mm) Shank	4	6	8	10	12
轉速 n (min)	6400	4300	3200	2600	2200
進給速度 Vf (mm/min)	260	280	285	270	270



DMR 2000R00L2

長頸型圓鼻 2 刃鎢鋼立銑刀
Long Neck 2 Flutes Corner Radius Carbide End Mill

產品型號 Model No	在庫 Stock	刃角 R RE	切削直徑 DC	切削長度 APMX	柄部直徑 DCON	可使用長度 LU	標準全長 LF	價格 Price
DMR2030R02L207		0.2	3	3	4	7.5	50	
DMR2030R05L207		0.5	3	3	4	7.5	50	
DMR2040R02L210		0.2	4	4	4	10	50	
DMR2040R05L210		0.5	4	4	4	10	50	
DMR2060R02L215		0.2	6	6	6	15	50	
DMR2060R05L215		0.5	6	6	6	15	50	
DMR2060R10L215		1	6	6	6	15	50	
DMR2080R05L220		0.5	8	10	8	20	60	
DMR2080R10L220		1	8	10	8	20	60	
DMR2100R05L225		0.5	10	12	10	25	75	
DMR2100R10L225		1	10	12	10	25	75	
DMR2120R05L230		0.5	12	14	12	30	75	
DMR2120R10L230		1	12	14	12	30	75	

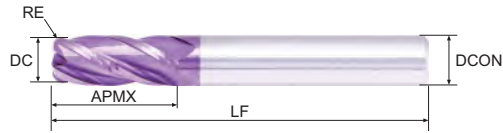
DMR 2000R00L2系列切削參數

The Cutting Data For DMR 2000R00L2 Series

被加工材質
Material鋼
Steel不鏽鋼
Stainless steel鑄鐵
Cast Iron

直徑 (mm) Shank	4	6	8	10	12
轉速 n (min)	6400	4300	3200	2600	2200
進給速度 Vf (mm/min)	260	280	285	270	270

DMR 4000R00

 圓鼻 4 刃鎢鋼立銑刀
4 Flutes Corner Radius Carbide End Mill

 新規格上市
New Specification Arrival


產品型號 Model No	在庫 Stock	刃角 R RE	切削直徑 DC	切削長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
DMR4010R02	●	0.2	1	2.5	4	50	
DMR4010R02L103	●	0.2	1	3	4	50	
DMR4015R02	●	0.2	1.5	3.75	4	50	
DMR4015R02L104	●	0.2	1.5	4	4	50	
DMR4015R05	●	0.5	1.5	3.75	4	50	
DMR4020R02	●	0.2	2	5	4	50	
DMR4020R02L106	●	0.2	2	6	4	50	
DMR4020R05	●	0.5	2	5	4	50	
DMR4020R05L106	●	0.5	2	6	4	50	
DMR4025R02	●	0.2	2.5	6.25	4	50	
DMR4030R02	●	0.2	3	7.5	4	50	
DMR4030R02L106	●	0.2	3	6	4	50	
DMR4030R02L108	●	0.2	3	8	4	50	
DMR4030R02E1	●	0.2	3	7.5	4	75	
DMR4030R05	●	0.5	3	7.5	4	50	
DMR4030R05L108	●	0.5	3	8	4	50	
DMR4030R05D3	●	0.5	3	7.5	3	50	
DMR4030R05E1		0.5	3	7.5	4	75	
DMR4030R05E1D6	●	0.5	3	7.5	6	75	
DMR4030R10	●	1	3	7.5	4	50	
DMR4030R10D6	●	1	3	7.5	6	50	
DMR4030R10E1		1	3	7.5	4	75	
DMR4040R02	●	0.2	4	10	4	50	
DMR4040R02E1	●	0.2	4	10	4	75	
DMR4040R02H	●	0.2	4	10	4	100	
DMR4040R05	●	0.5	4	10	4	50	
DMR4040R05D6	●	0.5	4	10	6	50	
DMR4040R05E1	●	0.5	4	10	4	75	
DMR4040R05E1D6	●	0.5	4	10	6	75	
DMR4040R05H	●	0.5	4	10	4	100	
DMR4040R10	●	1	4	10	4	50	
DMR4040R10E1	●	1	4	10	4	75	
DMR4040R10H	●	1	4	10	4	100	

※ 請接下頁。 ※ Continued on next page.

產品型號 Model No	在庫 Stock	刃角 R RE	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
DMR4040R15	●	1.5	4	10	4	50	
DMR4050R05	●	0.5	5	12.5	6	50	
DMR4050R10		1	5	12.5	6	50	
DMR4060R02	●	0.2	6	15	6	50	
DMR4060R02E1	●	0.2	6	15	6	75	
DMR4060R02H	●	0.2	6	15	6	50	
NEW DMR4060R03		0.3	6	15	6	50	
DMR4060R05	●	0.5	6	15	6	50	
DMR4060R05E1	●	0.5	6	15	6	75	
DMR4060R05L110E1	●	0.5	6	10	6	75	
DMR4060R05H	●	0.5	6	15	6	100	
DMR4060R10	●	1	6	15	6	50	
DMR4060R10E1	●	1	6	15	6	75	
DMR4060R10H	●	1	6	15	6	100	
DMR4060R15	●	1.5	6	15	6	50	
DMR4060R20	●	2	6	15	6	50	
DMR4070R05	●	0.5	7	17.5	8	60	
DMR4080R02	●	0.2	8	20	8	60	
DMR4080R03	●	0.3	8	20	8	60	
DMR4080R05	●	0.5	8	20	8	60	
DMR4080R05E1	●	0.5	8	20	8	75	
DMR4080R05H	●	0.5	8	20	8	100	
DMR4080R10	●	1	8	20	8	60	
NEW DMR4080R10L124	●	1	8	24	8	60	
DMR4080R10E1	●	1	8	20	8	75	
DMR4080R10H	●	1	8	20	8	100	
DMR4080R15	●	1.5	8	20	8	60	
DMR4080R20	●	2	8	20	8	60	
DMR4100R02	●	0.2	10	25	10	75	
DMR4100R05	●	0.5	10	25	10	75	
DMR4100R05H	●	0.5	10	25	10	100	
DMR4100R10	●	1	10	25	10	75	
DMR4100R10H	●	1	10	25	10	100	

※ 請接下頁。 ※ Continued on next page.

產品型號 Model No	在庫 Stock	刃角 R RE	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
DMR4100R15	●	1.5	10	25	10	75	
DMR4100R20	●	2	10	25	10	75	
NEW DMR4100R25	●	2.5	10	25	10	75	
DMR4100R30	●	3	10	25	10	75	
DMR4120R05	●	0.5	12	30	12	75	
DMR4120R05H	●	0.5	12	30	12	100	
DMR4120R10	●	1	12	30	12	75	
DMR4120R10H	●	1	12	30	12	100	
DMR4120R15	●	1.5	12	30	12	75	
DMR4120R20	●	2	12	30	12	75	
NEW DMR4120R20H	●	2	12	30	12	100	
NEW DMR4120R25	●	2.5	12	30	12	75	
NEW DMR4160R10	●	1	16	40	16	100	

DMR 4000R00系列切削參數

The Cutting Data For DMR 4000R00 Series

被加工材質
Material

鋼
Steel

不鏽鋼
Stainless steel

鑄鐵
Cast Iron

直徑 (mm) Shank	3	4	6	8	10	12	16
轉速 n (min)	6300	6400	4300	3200	2600	2200	1600
進給速度 Vf (mm/min)	520	520	560	570	540	540	400

圓鼻 4 刃

4 Flutes
Corner Radius

鎢鋼立銑刀

Carbide End Mill



特殊設計 可保護圓鼻刀刀尖
Special design for
protecting end mill tip.

適用材質 Material

合金鋼 Alloy Steel

碳鋼 Carbon Steel



產品型號 Model No	在庫 Stock	刃角 R RE	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
NEW DPR4010R02		0.2	1	2.5	4	50	
NEW DPR4015R02	●	0.2	1.5	3.75	4	50	
NEW DPR4020R02		0.2	2	5	4	50	
NEW DPR4020R03		0.3	2	5	4	50	
NEW DPR4020R05		0.5	2	5	4	50	
NEW DPR4030R02		0.2	3	7.5	4	50	
NEW DPR4040R02		0.2	4	10	4	50	
NEW DPR4030R03D3		0.3	3	7.5	3	50	
NEW DPR4030R05		0.5	3	7.5	4	50	
NEW DPR4030R10		1	3	7.5	4	50	
NEW DPR4040R05		0.5	4	10	4	50	
NEW DPR4040R10		1	4	10	4	50	
NEW DPR4040R15		1.5	4	10	4	50	
NEW DPR4080R02	●	0.2	8	20	8	60	

DPR 4000R00系列切削參數

The Cutting Data For DPR 4000R00 Series

被加工材質

合金鋼 Alloy Steel

碳鋼 Carbon Steel

直徑 (mm) Shank	3	4
轉速 n (min)	8500	640
進給速度 Vf (mm/min)	680	520

GPR 6000R00

 6 刃圓鼻鎢鋼立銑刀
 6 Flutes Rounded Land Carbide End Mill


產品型號 Model No	在庫 Stock	刃角 R RE	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
GPR6060R02		0.2	6	15	6	50	
GPR6060R05		0.5	6	15	6	50	
GPR6060R10		1	6	15	6	50	
GPR6080R05		0.5	8	20	8	60	
GPR6080R10	●	1	8	20	8	60	
GPR6100R05		0.5	10	25	10	75	
GPR6100R10	●	1	10	25	10	75	
GPR6120R05		0.5	12	30	12	75	
GPR6120R10		1	12	30	12	75	
GPR6160R05	●	0.5	16	40	16	100	
GPR6160R10		1	16	40	16	100	
GPR6160R20		2	16	40	16	100	
GPR6200R05		0.5	20	50	20	100	
GPR6200R10		1	20	50	20	100	
GPR6200R20	●	2	20	50	20	100	

GPR 6000R00系列切削參數

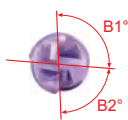
The Cutting Data For GPR 6000R00 Series

 被加工材質 Material 合金鋼 Alloy Steel 碳鋼 Carbon Steel

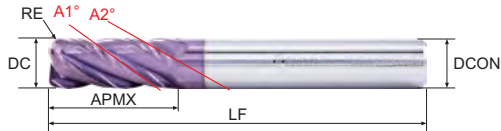
直徑 (mm) Shank	6	8	10	12	16	20
轉速 n (min)	4250	3200	2550	2200	1600	1300
進給速度 Vf (mm/min)	510	580	610	660	580	580

PH-FMR 4000R00

不等分割不等螺旋非圓溝 4 刃圓鼻鎢鋼端銑刀
Unequal Division & Unequal Helix Angle without
rounded Land 4 Flutes Corner Radius Carbide End Mill



不等分割 $B1^\circ \neq B2^\circ$
Unequal Division



不等螺旋 $A1^\circ \neq A2^\circ$
Unequal Spiral



產品型號 Model No	在庫 Stock	刃角 R RE	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	LF	價格 Price
PH-FMR4040R05	●	0.5	4	10	4	50	
PH-FMR4040R10	●	1	4	10	4	50	
PH-FMR4040R10D6	●	1	4	10	6	50	
PH-FMR4050R05	●	0.5	5	12.5	6	50	
PH-FMR4060R05	●	0.5	6	15	6	50	
PH-FMR4060R10	●	1	6	15	6	50	
PH-FMR4080R05	●	0.5	8	20	8	60	
PH-FMR4080R10	●	1	8	20	8	60	
PH-FMR4080R30	●	3	8	20	8	60	
PH-FMR4100R05	●	0.5	10	25	10	75	
PH-FMR4100R05L130	●	0.5	10	30	10	75	
PH-FMR4100R05H	●	0.5	10	25	10	100	
PH-FMR4100R08	●	0.8	10	25	10	75	
PH-FMR4100R10	●	1	10	25	10	75	
PH-FMR4120R05	●	0.5	12	30	12	75	
PH-FMR4120R08L136	●	0.8	12	36	12	75	
PH-FMR4120R10	●	1	12	30	12	75	
PH-FMR4120R30	●	3	12	30	12	75	
PH-FMR4160R05	●	0.5	16	48	16	100	

PH-FMR 4000R00系列切削參數

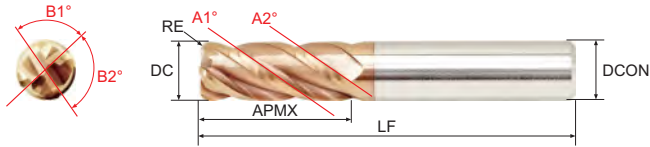
The Cutting Data For PH-FMR 4000R00 Series

被加工材質 Material 鋼 Steel 不鏽鋼 Stainless steel 鑄鐵 Cast Iron

直徑 (mm) Shank	4	6	8	10	12	16
轉速 n (min)	6400	4300	3200	2600	2200	1600
進給速度 Vf (mm/min)	520	560	570	540	540	400

PH-FPR 4000R00

不等分割不等螺旋非圓溝 4 刃圓鼻鎢鋼端銑刀
Unequal Division & Unequal Helix Angle without
rounded Land 4 Flutes Corner Radius Carbide End Mill



不等分割 B1°≠B2° 不等螺旋 A1°≠A2°
Unequal Division Unequal Spiral

新規格上市
New Specification Arrival



	產品型號 Model No	在庫 Stock	刃角 R RE	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
NEW	PH-FPR4020R02	●	0.2	2	5	4	50	
NEW	PH-FPR4030R02	●	0.2	3	7.5	4	50	
	PH-FPR4030R10D6	●	1	3	7.5	6	50	
	PH-FPR4040R05	●	0.5	4	10	4	50	
	PH-FPR4040R10	●	1	4	10	4	50	
NEW	PH-FPR4040R15D6	●	1.5	4	10	6	50	
	PH-FPR4050R05		0.5	5	12.5	6	50	
	PH-FPR4060R05	●	0.5	6	15	6	50	
	PH-FPR4060R10	●	1	6	15	6	50	
NEW	PH-FPR4060R10L106	●	1	6	6	6	50	
NEW	PH-FPR4060R10E1		1	6	15	6	75	
	PH-FPR4060R15	●	1.5	6	15	6	50	
	PH-FPR4080R05	●	0.5	8	20	8	60	
	PH-FPR4080R05E1	●	0.5	8	20	8	75	
	PH-FPR4080R10	●	1	8	20	8	60	
	PH-FPR4080R10E1	●	1	8	20	8	75	
NEW	PH-FPR4080R10H		1	8	20	8	100	
	PH-FPR4080R15	●	1.5	8	20	8	60	
	PH-FPR4080R20	●	2	8	20	8	60	
	PH-FPR4100R05	●	0.5	10	25	10	75	
	PH-FPR4100R05L130	●	0.5	10	30	10	75	
	PH-FPR4100R05H	●	0.5	10	25	10	100	
NEW	PH-FPR4100R10L110D	●	1	10	10	10	60	
	PH-FPR4100R10	●	1	10	25	10	75	
	PH-FPR4100R10L130	●	1	10	30	10	75	
NEW	PH-FPR4100R10L130H		1	10	30	10	100	
NEW	PH-FPR4100R10H		1	10	25	10	100	
NEW	PH-FPR4100R10L130M		1	10	30	10	150	
	PH-FPR4100R15	●	1.5	10	25	10	75	
	PH-FPR4100R20	●	2	10	25	10	75	
	PH-FPR4100R20L130	●	2	10	30	10	75	
	PH-FPR4120R05	●	0.5	12	30	12	75	
	PH-FPR4120R10	●	1	12	30	12	75	

※ 請接下頁。 ※ Continued on next page.



NEW
NEW

產品型號 Model No	在庫 Stock	刃角 R RE	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
PH-FPR4120R10H	●	1	12	30	12	100	
PH-FPR4120R10M		1	12	30	12	150	
PH-FPR4120R20	●	2	12	30	12	75	
PH-FPR4120R30L136	●	3	12	36	12	75	

PH-FPR 4000R00系列切削參數

The Cutting Data For PH-FPR 4000R00 Series

被加工材質
Material

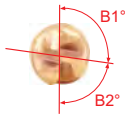
合金鋼
Alloy Steel

碳 鋼
Carbon Steel

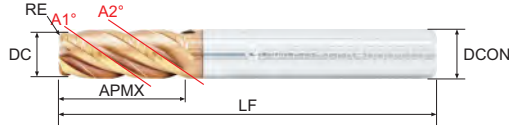
直徑 (mm) Shank	4	6	8	10	12
轉速 n (min)	6400	4300	3200	2600	2200
進給速度 Vf (mm/min)	520	560	570	540	540

PH-FER 4000R00

不等分割不等螺旋非圓溝 4 刃圓鼻鎢鈾端銼刀
Unequal Division & Unequal Helix Angle without
rounded Land 4 Flutes Corner Radius Carbide End Mill



不等分割 $B1^\circ \neq B2^\circ$
Unequal Division



不等螺旋 $A1^\circ \neq A2^\circ$
Unequal Spiral



產品型號 Model No	在庫 Stock	刃角 R RE	切削直徑 DC	切刀長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
PH-FER4040R05		0.5	4	10	4	50	
PH-FER4040R10		1	4	10	4	50	
PH-FER4060R05		0.5	6	15	6	50	
PH-FER4060R10	●	1	6	15	6	50	
PH-FER4060R15	●	1.5	6	15	6	50	
PH-FER4080R05	●	0.5	8	20	8	60	
PH-FER4080R10		1	8	20	8	60	
PH-FER4080R15	●	1.5	8	20	8	60	
PH-FER4080R20	●	2	8	20	8	60	
PH-FEP4080R30		3	8	20	8	60	
PH-FER4100R05		0.5	10	25	10	75	
PH-FER4100R10		1	10	25	10	75	
PH-FER4100R15		1.5	10	25	10	75	
PH-FER4100R20		2	10	25	10	75	
PH-FER4120R05		0.5	12	30	12	75	
PH-FER4120R10		1	12	30	12	75	
PH-FER4120R30		3	12	30	12	75	

PH-FER 4000R00系列切削參數

The Cutting Data For PH-FER 4000R00 Series

被加工材質
Material

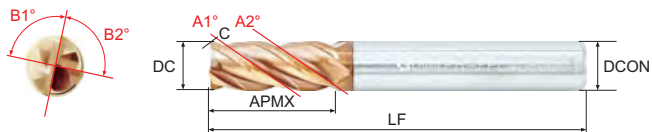
合金鋼
Alloy Steel

碳鋼
Carbon Steel

直徑 (mm) Shank	4	6	8	10	12
轉速 n (min)	6400	4300	3200	2600	2200
進給速度 Vf (mm/min)	520	560	570	540	540

PH-FPC 4000C00

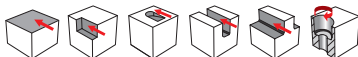
不等分割不等螺旋非圓溝 4 刃 C 角鎢鋼立銑刀
Unequal Division Unequal Helix Angle Non Round Land
4 Flutes C Corner Carbide End Mill



不等分割 $B1^\circ \neq B2^\circ$
Unequal Division

不等螺旋 $A1^\circ \neq A2^\circ$
Unequal Spiral

 **新規格上市**
New Specification Arrival



產品型號 Model No	在庫 Stock	倒角 C	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
PH-FPC4030C01L108	●	0.1	3	8	3	50	
PH-FPC4040C015	●	0.15	4	10	4	50	
PH-FPC4060C02	●	0.2	6	15	6	50	
PH-FPC4080C02	●	0.2	8	20	8	60	
PH-FPC4080C02E1	●	0.2	8	20	8	75	
PH-FPC4100C02	●	0.2	10	25	10	75	
PH-FPC4100C03	●	0.3	10	25	10	75	
PH-FPC4100C03L130		0.3	10	30	10	75	
PH-FPC4100C03L136	●	0.3	10	36	10	75	
PH-FPC4120C035	●	0.35	12	30	12	75	
PH-FPC4160C05	●	0.5	16	48	16	75	

NEW

PH-FPC 4000C00系列切削參數

The Cutting Data For PH-FPC 4000C00 Series

被加工材質
Material

合金鋼
Alloy Steel

碳鋼
Carbon Steel

直徑 (mm) Shank	3	4	6	8	10	12	16
轉速 n (min)	6300	6400	4300	3200	2600	2200	1600
進給速度 Vf (mm/min)	520	520	560	570	540	540	400

圓溝不等分割 不等螺旋 Round Land Unequal Division Unequal Helix

高進給 粗精銑 High Feed Rough vs Fine

5 刃圓鼻鎢鋼端銑刀 5 Flutes Corner Radius Carbide End Mill

特殊圓鼻設計 可保護刀尖
Special design for
protecting end mill tip



SUH-FMR5000R00L1-DIN系列

特殊刃齒設計

能減少加工阻力及增加斷屑效率
Special tooth design can reduce processing
resistance and increase chip breaking efficiency.

側固平面抗震設計 DIN Specification for Europe Market
Lateral Stabilized Plane Anti-vibration Design

適用材質 Applicable for

鋼 Steel

不鏽鋼 Stainless Steel

鑄鐵 Cast Iron

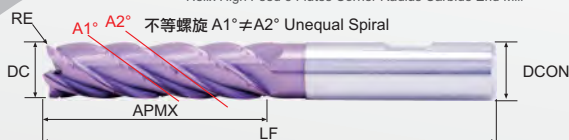
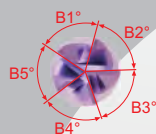
可適應較大的切深，加大容屑槽設計，提升排屑效率
採用不等螺旋角35°/38°設計，有利於高速加工抗崩裂性
不等分割設計可利於高進給加工提高抗震性，改善加工
表面優於粗銑刀，降低機台負載。

It can adapt to larger cutting depths, enlarge the chip groove design, improve chip removal efficiency, unequal helix 35°/38° design is beneficial to high-speed processing and chip resistance. The unequal division design is beneficial to high-feed machining, improve shock resistance, improve the processing surface better than rough end mill, and reduce machine load.



SUH-FMR 5000R00L1-DIN

圓溝不等分割不等螺旋高進給
5 刃圓鼻粗精銑鎢鋼端銑刀
Round Land Unequal Division Unequal
Helix High Feed 5 Flutes Corner Radius Carbide End Mill



不等分割
B1°≠B2°≠B3°≠B4°≠B5°
Unequal Division

新品上市
New Arrival



產品型號 Model No	在庫 Stock	刃角 R RE	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	頸徑 DN	可使用長度 LU	標準全長 LF	價格 Price
NEW SUH-FMR5060R05L124D-DIN		0.5	6	24	6	5.8	29	60	
NEW SUH-FMR5080R05L132E1-DIN		0.5	8	32	8	7.7	38	75	
NEW SUH-FMR5100R05L140H-DIN		0.5	10	40	10	9.7	47	100	
NEW SUH-FMR5120R05L148H-DIN		0.5	12	48	12	11.6	55	100	
NEW SUH-FMR5160R05L164K-DIN	●	0.5	16	64	16	15.5	73	125	
NEW SUH-FMR5200R05L180M-DIN		0.5	20	80	20	19.5	91	150	



SUH-FMR 5000R00L1-DIN系列切削參數

The Cutting Data For SUH-FMR 5000R00L1-DIN Series

被加工材質
Material

鋼

Steel

不鏽鋼

Stainless steel

鑄鐵

Cast Iron

直徑 (mm) Shank	6	8	10	12	16	20
轉速 n (min)	4300	3200	2600	2200	1600	1300
進給速度 Vf (mm/min)	560	570	560	540	520	520

| SUH-FYR 4000R00 圓溝不等分割不等螺旋難削材高進給 4 刃圓鼻鎢鋼端銼刀

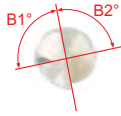
Round Land Unequal Division Unequal Helix For Hard
 Materials High Feed 4 Flutes Corner Radius Carbide End Mill

MG
11M
 0.5

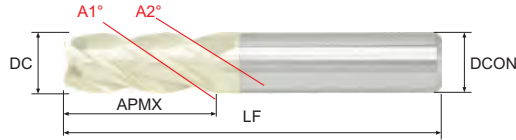
CO
 12%

HRC
 ≤60

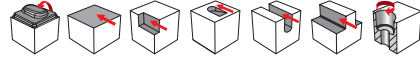
Y
 500

35
38
TSY


不等分割 $B1^\circ \neq B2^\circ$
 Unequal Division



不等螺旋 $A1^\circ \neq A2^\circ$
 Unequal Spiral



產品型號 Model No	在庫 Stock	刃角 R RE	切削直徑 DC	切刀長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
SUH-FYR4040R05	●	0.5	4	10	4	50	
SUH-FYR4040R10		1	4	10	4	50	
SUH-FYR4060R05	●	0.5	6	15	6	50	
SUH-FYR4060R10		1	6	15	6	50	
SUH-FYR4060R15		1.5	6	15	6	50	
SUH-FYR4080R05	●	0.5	8	20	8	60	
SUH-FYR4080R10		1	8	20	8	60	
SUH-FYR4080R05E1		0.5	8	20	8	75	
SUH-FYR4080R10E1		1	8	20	8	75	
SUH-FYR4080R15		1.5	8	20	8	60	
SUH-FYR4080R20		2	8	20	8	60	
SUH-FYR4100R05	●	0.5	10	25	10	75	
SUH-FYR4100R05H		0.5	10	25	10	100	
SUH-FYR4100R10		1	10	25	10	75	
SUH-FYR4100R15		1.5	10	25	10	75	
SUH-FYR4100R20		2	10	25	10	75	
SUH-FYR4120R05	●	0.5	12	30	12	75	
SUH-FYR4120R10	●	1	12	30	12	75	
SUH-FYR4160R05	●	0.5	16	48	16	100	

SUH-FYR 4000R00系列切削參數

The Cutting Data For SUH-FYR 4000R00 Series

被加工材質
Material

鈦合金
Titanium

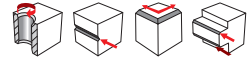
直徑 (mm) Shank	4	6	8	10	12	16
轉速 n (min)	3900	2600	2000	1600	1300	1000
進給速度 Vf (mm/min)	310	210	160	190	150	160

被加工材質
Material

鎳合金
Nickel Alloy

直徑 (mm) Shank	4	6	8	10	12	16
轉速 n (min)	1900	1300	1000	800	650	1000
進給速度 Vf (mm/min)	150	100	80	90	80	80

CC-AMC V型端尾槽銑鋼刀
V-Type Chamfer Cutter



產品型號 Model No	在庫 Stock	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	頸徑 DN	可使用長度 LU	標準全長 LF	刃數 CICT	價格 Price
CC-AMC4040L207DD6	●	4	1.9	6	2.4	7	60	4	
CC-AMC4060L207D	●	6	2.8	6	3	7	60	4	
CC-AMC4080L209	●	8	3.8	8	4	9	60	4	
CC-AMC4080L220	●	8	3.8	8	4	20	60	4	
CC-AMC6080L209	●	8	3.8	8	4	9	60	6	
CC-AMC6100L211	●	10	4.8	10	5	11	75	6	
CC-AMC6120L213	●	12	5.8	12	6	13	75	6	

CC-AMC系列切削參數

The Cutting Data For CC-AMC Series

被加工材質 Material 鋼 Steel 不鏽鋼 Stainless steel 鑄鐵 Cast Iron

直徑 (mm) Shank	6	8	10	12
轉速 n (min)	3700	2800	2200	1900
進給速度 Vf (mm/min)	400	500	650	650

圓孔倒角 Chamfer Of Rounding Hole



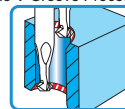
倒角 Chamfering



側面倒角 Side Chamfering

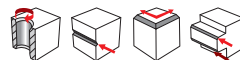


側面V槽 Side V Groove Processing



背面倒角 Back Chamfering





產品型號 Model No	在庫 Stock	切削直徑 DC	切刀長度 APMX	柄部直徑 DCON	頸徑 DN	可使用長度 LU	標準全長 LF	刃數 CICT	價格 Price
CR-AMC4060L206D		6	1.8	6	2.7	6	60	4	
CR-AMC6080L208	●	8	2.4	8	3.6	8	60	6	
CR-AMC6100L210	●	10	3.1	10	4.5	10	75	6	
CR-AMC6120L212	●	12	3.7	12	5.4	12	75	6	

CR-AMC系列切削參數

The Cutting Data For CR-AMC Series

被加工材質 Material  鋼 Steel  不鏽鋼 Stainless steel  鑄鐵 Cast Iron

直徑 (mm) Shank	6	8	10	12
轉速 n (min)	3700	2800	2200	1900
進給速度 Vf (mm/min)	400	500	650	650

圓孔倒角
Chamfer Of Rounding Hole



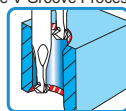
倒角
Chamfering



側面倒角
Side Chamfering



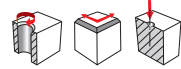
側面V槽
Side V Groove Processing



背面倒角
Back Chamfering



DT-DMC 2000

2 刃鎢鋼定位鑽
2 Flutes Positioning Drill


產品型號 Model No	在庫 Stock	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
DT-DMC2030	●	3	10	3	50	
DT-DMC2040	●	4	12	4	50	
DT-DMC2050	●	5	20	5	50	
DT-DMC2060	●	6	20	6	50	
DT-DMC2080	●	8	25	8	60	
DT-DMC2100	●	10	25	10	75	
DT-DMC2120		12	30	12	75	
DT-DMC2160		16	35	16	100	
DT-DMC2200		20	40	20	100	

DT-DMC 2000系列切削參數

The Cutting Data For DT-DMC 2000 Series

被加工材質
Material

鋼
Steel

不鏽鋼
Stainless steel

鑄鐵
Cast Iron

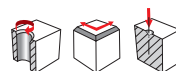
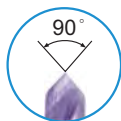
直徑 (mm) Shank	3	4	5	6	8	10	12	16	20
轉速 n (min)	7400	5500	4400	3700	2800	2300	1900	1400	1100
進給速度 Vf (mm/min)	300	220	180	150	120	90	80	60	45

圓孔倒角
Chamfer Of Rounding Hole

倒角
Chamfering

定位加工
Positioning processing


DC-DMC 2000

 2 刃鎢鋼定位鑽
 2 Flutes Positioning Drill


產品型號 Model No	在庫 Stock	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
DC-DMC2030	●	3	10	3	50	
DC-DMC2040	●	4	12	4	50	
DC-DMC2040E1	●	4	12	4	75	
DC-DMC2050	●	5	20	5	50	
DC-DMC2050E1		5	20	5	75	
DC-DMC2060	●	6	20	6	50	
DC-DMC2060H		6	20	6	100	
DC-DMC2080	●	8	25	8	60	
DC-DMC2080H		8	25	8	100	
DC-DMC2100	●	10	25	10	75	
DC-DMC2100H		10	25	10	100	
DC-DMC2120	●	12	30	12	75	
DC-DMC2120H		12	30	12	100	
DC-DMC2160	●	16	35	16	100	
DC-DMC2160M		16	35	16	150	
DC-DMC2200		20	40	20	100	

DC-DMC 2000系列切削參數

The Cutting Data For DC-DMC 2000 Series

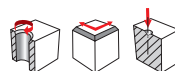
 被加工材質 Material
 鋼 Steel
不鏽鋼 Stainless steel
鑄鐵 Cast Iron

直徑 (mm) Shank	3	4	5	6	8	10	12	16	20
轉速 n (min)	7400	5500	4400	3700	2800	2300	1900	1400	1100
進給速度 Vf (mm/min)	300	220	180	150	120	90	80	60	45

圓孔倒角
Chamfer Of Rounding Hole倒角
Chamfering定位加工
Positioning processing

DR-DMC 2000

2 刃鎢鋼定位鑽
2 Flutes Positioning Drill



產品型號 Model No	在庫 Stock	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
DR-DMC2030	●	3	10	3	50	
DR-DMC2040	●	4	12	4	50	
DR-DMC2040E1		4	12	4	75	
DR-DMC2050	●	5	20	5	50	
DR-DMC2050E1		5	20	5	75	
DR-DMC2060	●	6	20	6	50	
DR-DMC2060H		6	20	6	100	
DR-DMC2080	●	8	25	8	60	
DR-DMC2080H		8	25	8	100	
DR-DMC2100	●	10	25	10	75	
DR-DMC2100H		10	25	10	100	
DR-DMC2120	●	12	30	12	75	
DR-DMC2120H		12	30	12	100	
DR-DMC2160	●	16	35	16	100	
DR-DMC2160M		16	35	16	150	
DR-DMC2200	●	20	40	20	100	

DR-DMC 2000系列切削參數

The Cutting Data For DR-DMC 2000 Series

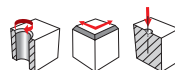
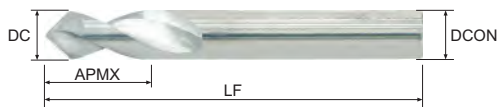
被加工材質
Material

鋼
Steel

不鏽鋼
Stainless steel

鑄鐵
Cast Iron

直徑 (mm) Shank	3	4	5	6	8	10	12	16	20
轉速 n (min)	7400	5500	4400	3700	2800	2300	1900	1400	1100
進給速度 Vf (mm/min)	300	220	180	150	120	90	80	60	45



產品型號 Model No	在庫 Stock	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
DC-DWC2030		3	10	3	50	
DC-DWC2040	●	4	12	4	50	
DC-DWC2050		5	20	5	50	
DC-DWC2060	●	6	20	6	50	
DC-DWC2080	●	8	25	8	60	
DC-DWC2100	●	10	25	10	75	
DC-DWC2160	●	16	35	16	100	

DC-DWC 2000系列切削參數

The Cutting Data For DC-DPC 2000 Series

被加工材質
Material

鋁合金
Aluminum

銅
Copper

塑膠
Plastic

直徑 (mm) Shank	3	4	5	6	8	10	16
轉速 n (min)	7400	5500	4400	3700	2800	2300	1400
進給速度 Vf (mm/min)	300	220	180	150	120	90	60

圓孔倒角
Chamfer Of Rounding Hole



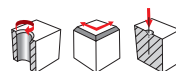
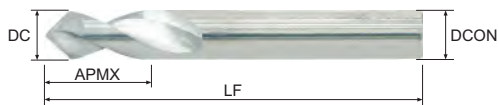
倒角
Chamfering



定位加工
Positioning processing



DR-DWC 2000

 2 刃鎢鋼定位鑽
 2 Flutes Carbide Drill


產品型號 Model No	在庫 Stock	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
DR-DWC2030		3	10	3	50	
DR-DWC2040		4	12	4	50	
DR-DWC2050		5	20	5	50	
DR-DWC2060		6	20	6	50	
DR-DWC2080		8	25	8	60	
DR-DWC2100		10	25	10	75	
DR-DWC2160		16	35	16	100	

DR-DWC 2000系列切削參數

The Cutting Data For DR-DWC 2000 Series

 被加工材質
 Material

 鋁合金
 Aluminum

 銅
 Copper

 塑膠
 Plastic

直徑 (mm) Shank	3	4	5	6	8	10	16
轉速 n (min)	7400	5500	4400	3700	2800	2300	1400
進給速度 Vf (mm/min)	300	220	180	150	120	90	60

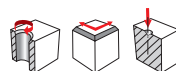
 圓孔倒角
 Chamfer Of Rounding Hole

 倒角
 Chamfering

 定位加工
 Positioning processing


DC-DPC 2000

2 刃鎢鋼定位鑽
2 Flutes Positioning Drill



產品型號 Model No	在庫 Stock	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
DC-DPC2030	●	3	10	3	50	
DC-DPC2040	●	4	12	4	50	
DC-DPC2040E1		4	12	4	75	
DC-DPC2050	●	5	20	5	50	
DC-DPC2060	●	6	20	6	50	
DC-DPC2080	●	8	25	8	60	
DC-DPC2100	●	10	25	10	75	
DC-DPC2120	●	12	30	12	75	
DC-DPC2160	●	16	35	16	100	
DC-DPC2200		20	40	20	100	

DC-DPC 2000系列切削參數

The Cutting Data For DC-DPC 2000 Series

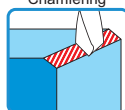
被加工材質 Material 合金鋼 Alloy Steel 碳鋼 Carbon Steel

直徑 (mm) Shank	3	4	5	6	8	10	12	16	20
轉速 n (min)	7400	5500	4400	3700	2800	2300	1900	1400	1100
進給速度 Vf (mm/min)	300	220	180	150	120	90	80	60	45

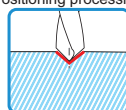
圓孔倒角
Chamfer Of Rounding Hole



倒角
Chamfering



定位加工
Positioning processing

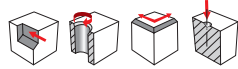


DC-DMM 2000

2 刃定位側銑鎢鋼鑽
2 Flutes Positioning Side Milling Carbide Drill



新規格上市
New Specification Arrival



NEW

產品型號 Model No	在庫 Stock	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
DC-DMM2040	●	4	8	4	50	
DC-DMM2060	●	6	12	6	50	
DC-DMM2080		8	16	8	60	
DC-DMM2100	●	10	20	10	75	
DC-DMM2120	●	12	24	12	75	
DC-DMM2160		16	32	16	100	
DC-DMM2200		20	40	20	100	

DC-DMM 2000系列切削參數

The Cutting Data For DC-DMM 2000 Series

被加工材質 Material **鋼 Steel** **不鏽鋼 Stainless steel** **鑄鐵 Cast Iron**

直徑 (mm) Shank	4	6	8	10	12	16	20
轉速 n (min)	5500	3700	2800	2300	1900	1400	1100
進給速度 Vf (mm/min)	220	150	120	90	80	60	45

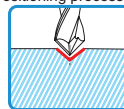
圓孔倒角
Chamfer Of Rounding Hole



倒角
Chamfering



定位加工
Positioning processing

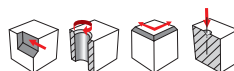
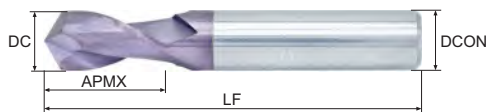


斜面側銑
Incline Side Milling



DR-DMM 2000

2 刃定位側銑銑鋼鑽
2 Flutes Positioning Side Milling Carbide Drill



產品型號 Model No	在庫 Stock	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
DR-DMM2060		6	12	6	50	
DR-DMM2080		8	16	8	60	
DR-DMM2100		10	20	10	75	
DR-DMM2120	●	12	24	12	75	
DR-DMM2160		16	32	16	100	
DR-DMM2200		20	40	20	100	

DR-DMM 2000系列切削參數

The Cutting Data For DR-DMM 2000 Series

被加工材質 Material 鋼 Steel 不鏽鋼 Stainless steel 鑄鐵 Cast Iron

直徑 (mm) Shank	6	8	10	12	16	20
轉速 n (min)	3700	2800	2300	1900	1400	1100
進給速度 Vf (mm/min)	150	120	90	80	60	45

圓孔倒角
Chamfer Of Rounding Hole



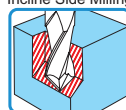
倒角
Chamfering



定位加工
Positioning processing



斜面側銑
Incline Side Milling



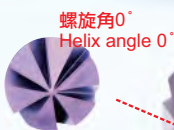
DCC-AMC-DIN series

鎢鋼倒角刀

Chamfering Carbide End Mill

精準倒角、孔倒角加工最佳利器

The best tool for precise chamfering and hole chamfering.



夾端角90°
Included angle.

使排屑表現優化
Optimize chip removal performance

適用材質
Applicable for

鋼 Steel

不鏽鋼 Stainless Steel

鑄鐵 Cast Iron

採用超細粒子硬質合金AlTiN塗層，增加刀具耐磨耗性

採用德國WALTER五軸機研磨生產，研磨尺寸精準且穩定

側平面固定抗振動DIN規格設計，使刀具加工壽命更長，提高工作加工質量

Produced with german WALTER five-axis machine, the dimension is accurate and stable, using ultra-fine particle cemented carbide AlTiN coating increases tool wearability, the fixed surface for reducing vibration-DIN design extend tool processing life and improve processing quality.



內倒角
Internal Chamfer



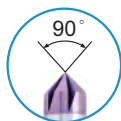
圓孔倒角
Chamfer Of Rounding Hole



倒角加工
Chamfer

DCC-AMC-DIN

鎢鋼倒角刀
Carbide Chamfering End Mill



新品上市
New Arrival



產品型號 Model No	在庫 Stock	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	刃數 CICT	價格 Price
DCC-AMC4040		4	2	4	50	4	
DCC-AMC4060-DIN	●	6	3	6	50	4	
DCC-AMC4080-DIN	●	8	4	8	60	4	
DCC-AMC6100-DIN	●	10	5	10	75	6	
DCC-AMC6120-DIN	●	12	6	12	75	6	

DCC-AMC-DIN系列切削參數

The Cutting Data For DCC-AMC-DIN Series

被加工材質
Material

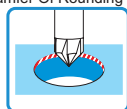
鋼 Steel

不鏽鋼 Stainless steel

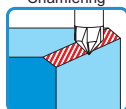
鑄鐵 Cast Iron

直徑 (mm) Shank	4	6	8	10	12
轉速 n (min)	5500	3700	2800	2300	1900
進給速度 Vf (mm/min)	660	740	560	690	570

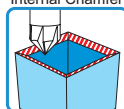
圓孔倒角
Chamfer Of Rounding Hole



倒角
Chamfering



內倒角
Internal Chamfer



2刃鎢鋼倒角定位鑽

2 Flute Carbide Chamfering Drill

90°夾角強化 Angle Reinforced

90° Angle Reinforced Special Protection Design
Reduces cutting stress and effectively lowers wear!

➔ 90°夾角尖端處採用特殊強刃保護設計

➔ 減少切削應力、有效降低磨耗

DCH-YMC 2000 series

90°夾角強化 特殊保護設計

90° Angle Reinforced
Special Protection Design



螺旋角12°設計，研磨尺寸精準且穩定，NC銑床專用定位鑽、孔倒角、倒角刀具，

採用超細粒子硬質合金AlTiN塗層，增加刀具耐磨耗性，延長刀具加工壽命，提高工作加工質量。

Adopts a 12° helix angle design for precise and stable grinding dimensions, NC milling machine specialized positioning drill, hole chamfering, and chamfering tools, utilizes ultra-fine particle carbide with an AlTiN coating, enhancing tool wear resistance, extending tool life, and improving machining quality.

DCH-YMC 2000

90°夾角尖端強化 2刃鎢鋼倒角定位鑽
90° Angle Reinforced 2 Blade Carbide Chamfering Drill



新品上市
New Arrival



產品型號 Model No	在庫 Stock	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
DCH-YMC2030		3	9	3	50	
DCH-YMC2040		4	10	4	50	
DCH-YMC2050		5	12	5	50	
DCH-YMC2060		6	13	6	50	
DCH-YMC2080	●	8	23	8	60	
DCH-YMC2100		10	24	10	75	
DCH-YMC2120		12	28	12	75	
DCH-YMC2160		16	32	16	100	
DCH-YMC2200		20	35	20	100	

DCH-YMC 2000系列切削參數

The Cutting Data For DCH-YMC 2000 Series

被加工材質
Material

鋼 Steel 不鏽鋼 Stainless steel 鑄鐵 Cast Iron

直徑 (mm) Shank	3	4	5	6	8	10	12	16	20
轉速 n (min)	7400	5500	4400	3700	2800	2300	1900	1400	1100
進給速度 Vf (mm/min)	300	220	180	150	120	90	80	60	45

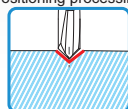
圓孔倒角
Chamfer Of Rounding Hole



倒角
Chamfering

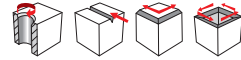


定位加工
Positioning processing



DCM-EPC 3000

90°定位倒角 3 刃鎢鋼銼刀
90° Position Drilling Chamfering 3 Flutes Carbide End Mill



產品型號 Model No	在庫 Stock	切削直徑 DC	最小切削直徑 DCN	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
DCM-EPC3030		3	0.6	1.3	3	38	
DCM-EPC3030E1		3	0.6	1.3	3	75	
DCM-EPC3040		4	0.8	1.74	4	50	
DCM-EPC3040E1		4	0.8	1.74	4	75	
DCM-EPC3060	●	6	1.2	2.61	6	50	
DCM-EPC3060E1		6	1.2	2.61	6	75	
DCM-EPC3080		8	1.6	3.49	8	60	
DCM-EPC3080H		8	1.6	3.49	8	100	
DCM-EPC3100		10	2	4.36	10	75	
DCM-EPC3100H		10	2	4.36	10	100	
DCM-EPC3120		12	2.4	5.23	12	75	
DCM-EPC3120H		12	2.4	5.23	12	100	

DCM-EPC 3000系列切削參數

The Cutting Data For DCM-EPC 3000 Series

被加工材質 Material 合金鋼 Alloy Steel 碳鋼 Carbon Steel

直徑 (mm) Shank	3	4	6	8	10	12
轉速 n (min)	7400	5500	3700	2800	2300	1900
進給速度 Vf (mm/min)	450	330	225	180	135	120

圓孔倒角
Chamfer Of Rounding Hole



倒角
Chamfering



背面倒角
Back Chamfering



V型開槽
V Type Slotted



內倒角
Internal Chamfer



AMI 2000 2 刃鎢鋼外R角倒角銑刀 2 Flutes External R Chamfering Carbide End Mill



 **新規格上市**
New Specification Arrival



產品型號 Model No	在庫 Stock	刃角 R RE	切削直徑 DC	切削長度 APMX	柄部直徑 DCON	頸徑 DN	標準全長 LF	價格 Price
AMI2015RE0050	●	0.5	1.5	5	4	2.7	50	
AMI2015RE0075	●	0.75	1.5	5	4	3.2	50	
AMI2015RE0100	●	1	1.5	8	4	3.7	50	
AMI2015RE0100D6	●	1	1.5	8	6	3.7	50	
AMI2015RE0125D6		1.25	1.5	8	6	4.2	50	
AMI2015RE0150D6	●	1.5	1.5	8	6	4.7	50	
AMI2015RE0175D6		1.75	1.5	8	6	5.2	50	
AMI2015RE0200D6	●	2	1.5	10	6	5.7	50	
AMI2015RE0250D8	●	2.5	1.5	10	8	6.7	60	
AMI2015RE0300D8	●	3	1.5	12	8	7.7	60	
AMI2020RE0400D12	●	4	2	12	12	10.2	75	
NEW AMI2020RE0500D12	●	5	2	—	12	—	75	
AMI2030RE0150D6	●	1.5	3	—	6	—	50	
AMI2030RE0500D16	●	5	3	15	16	13.2	100	
NEW AMI2030RE0500E1D16	●	5	3	15	16	13.2	75	
AMI2030RE0600D16	●	6	3	15	16	15.2	100	
AMI2030RE0125D6	●	1.25	3	9.5	6	—	50	
AMI2040RE0100D6	●	1	4	—	6	—	50	

AMI 2000系列切削參數

The Cutting Data For AMI 2000 Series

被加工材質 Material 鋼 Steel 不鏽鋼 Stainless steel 鑄鐵 Cast Iron

刃角 R R Angle	0.5	0.75	1	1.25	1.5	1.75	2	2.5	3	4	5	6
轉速 n (min)	7800	6350	4700	4000	3100	2800	2600	2200	1900	1500	1300	1100
進給速度 Vf (mm/min)	310	250	190	240	190	170	160	180	150	180	210	180

圓孔外R倒角
Rounding Hole Outside
R Chamfering



外R倒角
Outer R Chamfering





新規格上市
New Specification Arrival



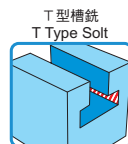
產品型號 Model No	在庫 Stock	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	頸徑 DN	可使用長度 LU	標準全長 LF	刃數 CICT	價格 Price
AMT8080CW010		8	1	8	5.4	5	60	8	
AMT8080CW015		8	1.5	8	5.4	5.5	60	8	
AMT8080CW020		8	2	8	5.4	6	60	8	
AMT10120CW010		12	1	12	8.1	8	75	10	
NEW AMT10120CW012	●	12	1.2	12	8.1	8.2	75	10	
AMT10120CW015	●	12	1.5	12	8.1	8.5	75	10	
AMT10120CW020		12	2	12	8.1	9	75	10	

AMT系列切削參數

The Cutting Data For AMT Series

被加工材質 Material **鋼 Steel** **不鏽鋼 Stainless steel** **鑄鐵 Cast Iron**

直徑 (mm) Shank	8	12
轉速 n (min)	1600	1060
進給速度 Vf (mm/min)	380	320



T型槽圓鼻鎢鋼端銑刀 T-Slot Corner Radius Carbide End Mill



圓溝加工專用 Specialized Machining for Circular Groove Slotting

高精度、高效率開槽銑刀

Integrated slotting end mill.

High-precision, High-efficiency slotting end mill.

一體式圓溝槽銑刀

AMT T型槽圓鼻鎢鋼端銑刀
T-Slot Corner Radius Carbide End Mill



AMT series



新品上市
New Arrival



產品型號 Model No	在庫 Stock	刃角 R RE	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	頸徑 DN	可使用長度 LU	標準全長 LF	刃數 CICT	價格 Price
NEW AMT4040CW006R03D6		0.3	4	0.6	6	2	4.1	50	4	
NEW AMT4040CW010R05D6		0.5	4	1	6	2	4.5	50	4	
NEW AMT4040CW020R10D6		1	4	2	6	2	5.5	50	4	
NEW AMT4050CW006R03		0.3	5	0.6	6	2.2	4.1	50	4	
NEW AMT4050CW010R05		0.5	5	1	6	2.2	4.5	50	4	
NEW AMT4050CW020R10		1	5	2	6	2.2	5.5	50	4	
NEW AMT4060CW006R03		0.3	6	0.6	6	2.7	4.6	50	4	
NEW AMT4060CW010R05		0.5	6	1	6	2.7	5	50	4	
NEW AMT4060CW020R10		1	6	2	6	2.7	6	50	4	
NEW AMT8080CW006R03		0.3	8	0.6	8	3.6	5.6	60	8	
NEW AMT8080CW010R05		0.5	8	1	8	3.6	6	60	8	
NEW AMT8080CW020R10		1	8	2	8	3.6	7	60	8	
NEW AMT8100CW006R03		0.3	10	0.6	10	4.5	6.6	75	8	
NEW AMT8100CW010R05		0.5	10	1	10	4.5	7	75	8	
NEW AMT8100CW020R10	●	1	10	2	10	4.5	8	75	8	
NEW AMT8100CW030R15		1.5	10	3	10	4.5	9	75	8	
NEW AMT8100CW040R20		2	10	4	10	4.5	10	75	8	
NEW AMT10120CW006R03		0.3	12	0.6	12	5.5	6.6	75	10	
NEW AMT10120CW010R05		0.5	12	1	12	5.5	7	75	10	
NEW AMT10120CW020R10		1	12	2	12	5.5	8	75	10	
NEW AMT10120CW030R15		1.5	12	3	12	5.5	9	75	10	
NEW AMT10120CW040R20		2	12	4	12	5.5	10	75	10	

AMT系列切削參數

The Cutting Data For AMT Series

被加工材質
Material

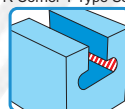
鋼
Steel

不鏽鋼
Stainless steel

鑄鐵
Cast Iron

直徑 (mm) Shank	6	8	10	12
轉速 n (min)	2100	1600	1300	1060
進給速度 Vf (mm/min)	250	380	310	320

角T型槽銑
R Corner T Type Slot



內R開槽
Internal R Slotted





AWH系列 六角型槽 鎢鋼沖頭 CARBIDE Hexagonal Punch

高速切削車成六角槽型

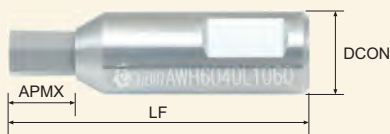
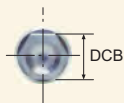
High Speed Cutting to Form Hexagonal Groove Shapes

可應用於汽、機車模具、電子設備及金屬零件等連接孔或配件之標記與成型、切割等多種加工用途，可用於大規模生產加工。

Applicable for marking, forming, cutting, and other processing uses on automotive and motorcycle molds, electronic devices, and metal parts such as connecting holes or accessories. Ideal for large-scale production processing.

AWH

六角型槽鎢鋼沖頭
Hexagonal Tungsten Carbide Punch



新品上市
New Arrival

產品型號 Model No	在庫 Stock	刃柄徑孔徑 DCB	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	公差 Tolerance ±0.02	價格 Price
NEW AWH6015L1025		1.5	2.5	8	28	1.54	
NEW AWH6020L1030		2	3	8	28	2.04	
NEW AWH6025L1040		2.5	4	8	28	2.55	
NEW AWH6030L1045		3	4.5	8	28	3.07	
NEW AWH6040L1060	●	4	6	8	28	4.07	
NEW AWH6050L1060	●	5	6	8	28	5.09	
NEW AWH6060L1060	●	6	6	8	28	6.09	



E180-AWA 1000L1

180° 鎢鋼平行雕刻立銼刀
180° Engraving End Mill



產品型號 Model No	在庫 Stock	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
E180-AWA1030L105		3	5	3	40	
E180-AWA1030L110	●	3	10	3	40	
E180-AWA1040L106		4	6	4	50	
E180-AWA1050L108		5	8	5	50	
E180-AWA1060L109		6	9	6	60	
E180-AWA1080L112		8	12	8	75	
E180-AWA1100L115		10	15	10	75	
E180-AWA1120L118		12	18	12	75	

E180-AWA 1000L1系列切削參數

The Cutting Data For E180-AWA 1000L1 Series

被加工材質
Material

合金鋼
Alloy Steel

碳鋼
Carbon Steel

鋼
Steel

不鏽鋼
Stainless steel

鑄鐵
Cast Iron

鋁合金
Aluminum

銅
Copper

直徑 (mm) Shank	3	4	5	6	8	10	12
轉速 n (min)	4250	3200	2550	2150	1600	1300	1100
進給速度 Vf (mm/min)	85	70	50	45	35	30	25

30° 鎢鋼精細雕刻立銑刀

30° Tungsten Steel Fine Engraving End Mill

雕刻銑削及特殊倒角加工刀具

可進行中、精細加工

Mold processing engraving, milling and special chamfering, can do medium and finishing processing.



全新 W500 材質

採特殊刃長設計

Brand New W500 Material
Special flute length design

E030-AWC 1000L1 系列

適用材質
Material

合金鋼
Alloy Steel

碳鋼
Carbon Steel

鋼
Steel

不鏽鋼
Stainless steel

鑄鐵
Cast Iron

鋁合金
Aluminum

銅
Copper

E030-AWC 1000L1

30° 倒角雕刻立銑刀
30° Engraving Chamfer End Mill



產品型號 Model No	在庫 Stock	切削直徑 DC	切削長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
E030-AWC10012L105BD3		0.12	5	3	40	
E030-AWC10012L106B	●	0.12	6	4	40	
E030-AWC10012L108BD5		0.12	8	5	40	
E030-AWC10012L109D6	●	0.12	9	6	50	
E030-AWC10016L105-38D6	●	0.16	5	6	38	

E030-AWC 1000L1 系列切削參數

The Cutting Data For E030-AWC 1000L1 Series

被加工材質
Material

合金鋼
Alloy Steel

碳鋼
Carbon Steel

鋼
Steel

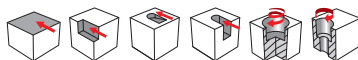
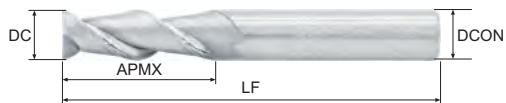
不鏽鋼
Stainless steel

鑄鐵
Cast Iron

鋁合金
Aluminum

銅
Copper

直徑 (mm) Shank	3	4	5	6
轉速 n (min)	4250	3200	2550	2150
進給速度 Vf (mm/min)	85	70	50	45



產品型號 Model No	在庫 Stock	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
GMA2060	●	6	18	6	50	
GMA2080	●	8	24	8	60	
GMA2100	●	10	30	10	75	

GMA 2000系列切削參數

The Cutting Data For GMA 2000 Series

被加工材質
Material

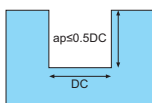
鋁合金
Aluminum

銅
Copper

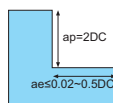
直徑 (mm) Shank		6	8	10
轉速 n (min)		10500	8000	6400
進給速度 (mm/min) Vf	開槽 Slotted	580	450	720
	側邊 Side	920	700	1150

切削深度 Cutting depth

開槽 Slotted



側邊 Side

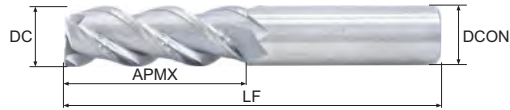
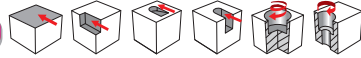


ap : 軸向切削深度 Axial depth of cutting

ae : 徑向切削深度 Radial depth of cutting

DC : 刃徑 Diameter of cutting

GMA 3000

 鉸用 3 刃鎢鋼立銑刀
 For Aluminum Alloy 3 Flutes End Mill

 新規格上市
 New Specification Arrival


產品型號 Model No	在庫 Stock	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
GMA3010	●	1	3	4	50	
GMA3010D6		1	3	6	50	
GMA3015	●	1.5	4.5	4	50	
GMA3020	●	2	6	4	50	
GMA3020D6		2	6	6	50	
GMA3025	●	2.5	7.5	4	50	
GMA3030	●	3	9	4	50	
GMA3030D6	●	3	9	6	50	
GMA3030H	●	3	9	4	100	
GMA3040	●	4	12	4	50	
GMA3040D6	●	4	12	6	50	
GMA3040H	●	4	12	4	100	
GMA3050	●	5	15	6	50	
GMA3050H	●	5	15	6	100	
GAM3060	●	6	18	6	50	
GMA3060H	●	6	18	6	100	
GMA3080	●	8	24	8	60	
GMA3080L135E1	●	8	35	8	75	
GMA3080H	●	8	24	8	100	
GMA3080M	●	8	24	8	150	
GMA3100	●	10	30	10	75	
GMA3100L145H	●	10	45	10	100	
GMA3100M	●	10	30	10	150	
GMA3120	●	12	36	12	75	
GMA3120H	●	12	36	12	100	
GMA3120M	●	12	36	12	150	
GMA3160	●	16	48	16	100	
GMA3200	●	20	50	20	100	
GMA3200L160	●	20	60	20	100	



GMA 3000系列切削參數

The Cutting Data For GMA 3000 Series

被加工材質
Material

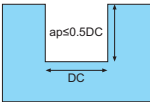
鋁合金
Aluminum

銅
Copper

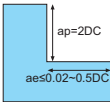
直徑 (mm) Shank		4	6	8	10	12	16	20
轉速 n (min)		15500	10500	8000	6400	5400	3900	3200
進給速度 (mm/min) Vf	開槽 Slotted	800	900	1000	1100	950	950	900
	側邊 Side	1200	1400	1600	1700	1500	1500	1300

切削深度 Cutting depth

開槽 Slotted

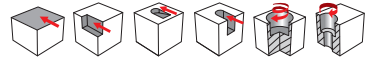


側邊 Side



ap：軸向切削深度 Axial depth of cutting
ae：徑向切削深度 Radial depth of cutting
DC：刃徑 Diameter of cutting

HMA 2000

 鋁用 2 刃鏤鋼立銑刀
For Aluminum Alloy 2 Flutes End Mill


產品型號 Model No	在庫 Stock	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
HMA2010	●	1	3	4	50	
HMA2015	●	1.5	4.5	4	50	
HMA2020	●	2	6	4	50	
HMA2025	●	2.5	7.5	4	50	
HMA2030	●	3	9	4	50	
HMA2030E1	●	3	9	4	75	
HMA2030H		3	9	4	100	
HMA2040	●	4	12	4	50	
HMA2040E1	●	4	12	4	75	
HMA2040H		4	12	4	100	
HMA2050	●	5	15	6	50	
HMA2050E1	●	5	15	6	75	
HMA2050H	●	5	15	6	100	
HMA2060	●	6	18	6	50	
HMA2060E1	●	6	18	6	75	
HMA2060H	●	6	18	6	100	
HMA2070		7	21	8	60	
HMA2080	●	8	24	8	60	
HMA2080E1		8	24	8	75	
HMA2080H		8	24	8	100	
HMA2080M	●	8	24	8	150	
HMA2090		9	27	10	75	
HMA2095	●	9.5	28.5	10	75	
HMA2100	●	10	30	10	75	
HMA2100H	●	10	30	10	100	
HMA2100M	●	10	30	10	150	
HMA2110		11	33	12	75	
HMA2120	●	12	36	12	75	
HMA2120H	●	12	36	12	100	
HMA2120M	●	12	36	12	150	
HMA2160	●	16	48	16	100	

HMA 2000系列切削參數

The Cutting Data For HMA 2000 Series

被加工材質
Material

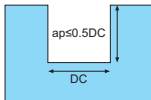
鋁合金
Aluminum

銅
Copper

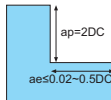
直徑 (mm) Shank		4	6	8	10	12	16
轉速 n (min)		15500	10500	8000	6400	5400	3900
進給速度 (mm/min) Vf	開槽 Slotted	800	900	1000	1100	950	950
	側邊 Side	1200	1400	1600	1700	1500	1500

切削深度 Cutting depth

開槽 Slotted



側邊 Side

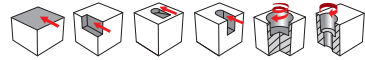
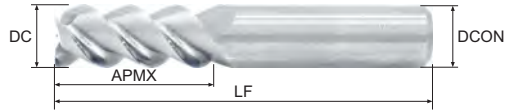


ap：軸向切削深度 Axial depth of cutting

ae：徑向切削深度 Radial depth of cutting

DC：刃徑 Diameter of cutting

HMA 3000

 鋁用 3 刃鎢鋼立銑刀
For Aluminum Alloy 3 Flutes End Mill


產品型號 Model No	在庫 Stock	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
HMA3010	●	1	3	4	50	
HMA3015	●	1.5	4.5	4	50	
HMA3020	●	2	6	4	50	
HMA3025	●	2.5	7.5	4	50	
HMA3030	●	3	9	4	50	
HMA3040	●	4	12	4	50	
HMA3050	●	5	15	6	50	
HMA3060	●	6	18	6	50	
HMA3070	●	7	21	8	60	
HMA3080	●	8	24	8	60	
HMA3090	●	9	27	10	75	
HMA3100	●	10	30	10	75	
HMA3110	●	11	33	12	75	
HMA3120	●	12	36	12	75	
HMA3160	●	16	48	16	100	
HMA3200	●	20	50	20	100	
HMA3200L160	●	20	60	20	100	

HMA 3000系列切削參數

The Cutting Data For HMA 3000 Series

 被加工材質
Material

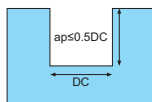
 鋁合金
Aluminum

 銅
Copper

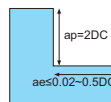
直徑 (mm) Shank		4	6	8	10	12	16	20
轉速 n (min)		15500	10500	8000	6400	5400	3900	3200
進給速度 Vf (mm/min)	開槽 Slotted	800	900	1000	1100	950	950	900
	側邊 Side	1200	1400	1600	1700	1500	1500	1300

切削深度 Cutting depth

開槽 Slotted



側邊 Side


 ap : 軸向切削深度 Axial depth of cutting
 ae : 徑向切削深度 Radial depth of cutting
 DC : 刃徑 Diameter of cutting

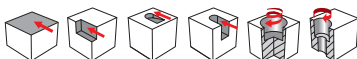


MU2-GMA 3000

鋁用 3 刃圓溝 2 離隙鎢鋼立銼刀
For Aluminum Alloy 3 Flutes Rounded Land Double Edge
Carbide End Mill



新規格上市
New Specification Arrival



產品型號 Model No	在庫 Stock	切削直徑 DC	刃長 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
MU2-GMA3040	●	4	12	4	50	
MU2-GMA3040D6	●	4	12	6	50	
MU2-GMA3045L114	●	4.5	14	6	50	
MU2-GMA3050	●	5	15	6	50	
MU2-GMA3060	●	6	18	6	50	
MU2-GMA3080	●	8	24	8	60	
MU2-GMA3080E1	●	8	24	8	75	
MU2-GMA3080H	●	8	24	8	100	
MU2-GMA3080M	●	8	24	8	150	
MU2-GMA3090L124	●	9	24	10	75	
NEW MU2-GMA3095L124	●	9.5	24	10	75	
MU2-GMA3100	●	10	30	10	75	
MU2-GMA3100M	●	10	30	10	150	
MU2-GMA3120	●	12	36	12	75	
MU2-GMA3120H	●	12	36	12	100	
NEW MU2-GMA3120L150H	●	12	50	12	100	
NEW MU2-GMA3120L155H	●	12	55	12	100	
MU2-GMA3120M		12	36	12	150	
MU2-GMA3160	●	16	48	16	100	
MU2-GMA3200	●	20	50	20	100	

MU2-GMA 3000系列切削參數

The Cutting Data For MU2-GMA 3000 Series

被加工材質
Material

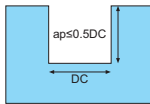
鋁合金
Aluminum

銅
Copper

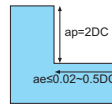
直徑 (mm) Shank		4	6	8	10	12	16	20
轉速 n (min)		15500	10500	8000	6400	5400	3900	3200
(mm/min) 進給速度 V _f	開槽 Slotted	800	900	1000	1100	950	950	900
	側邊 Side	1200	1400	1600	1700	1500	1500	1300

切削深度 Cutting depth

開槽 Slotted



側邊 Side



ap：軸向切削深度 Axial depth of cutting

ae：徑向切削深度 Radial depth of cutting

DC：刃徑 Diameter of cutting

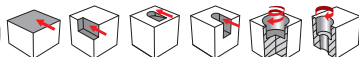


LU2-GWA 3000

鋁用 3 刃圓溝 2 離線車銑複合機用鎢鋼立銑刀
For Aluminum Alloy 3 Flutes Rounded Land Double Edge
Turning And Milling Center Carbide End Mill



新品上市
New Arrival



產品型號 Model No	在庫 Stock	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
NEW LU2-GWA3080D6	●	8	8	6	40	
NEW LU2-GWA3100D6	●	10	10	6	40	
NEW LU2-GWA3120D10	●	12	12	10	40	

LU2-GWA 3000系列切削參數

The Cutting Data For LU2-GWA 3000 Series

被加工材質
Material

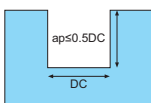
鋁合金
Aluminum

銅
Copper

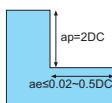
直徑 (mm) Shank		6	10
轉速 n (min)		10500	6400
進給速度 (mm/min) Vf	開槽 Slotted	900	1100
	側邊 Side	1400	1700

切削深度 Cutting depth

開槽 Slotted



側邊 Side



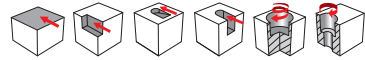
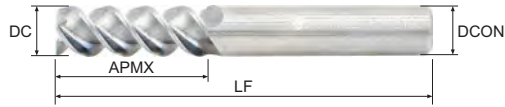
ap : 軸向切削深度 Axial depth of cutting

ae : 徑向切削深度 Radial depth of cutting

DC : 刃徑 Diameter of cutting

MU2-HMA 3000

鋁用 3 刃圓溝 2 離隙鎢鋼立銼刀
For Aluminum Alloy 3 Flutes Rounded Land Double Edge
Carbide End Mill



產品型號 Model No	在庫 Stock	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
MU2-HMA3040	●	4	12	4	50	
MU2-HMA3050	●	5	15	6	50	
MU2-HMA3060	●	6	18	6	50	
MU2-HMA3070	●	7	21	8	60	
MU2-HMA3080	●	8	24	8	60	
MU2-HMA3090	●	9	27	10	75	
MU2-HMA3100	●	10	30	10	75	
MU2-HMA3120	●	12	36	12	75	
MU2-HMA3160	●	16	48	16	100	

MU2-HMA 3000系列切削參數

The Cutting Data For MU2-HMA 3000 Series

被加工材質
Material

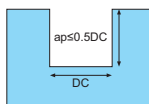
鋁合金
Aluminum

銅
Copper

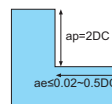
直徑 (mm) Shank		4	6	8	10	12	16
轉速 n (min)		15500	10500	8000	6400	5400	3900
進給速度 (mm/min) Vf	開槽 Slotted	800	900	1000	1100	950	950
	側邊 Side	1200	1400	1600	1700	1500	1500

切削深度 Cutting depth

開槽 Slotted



側邊 Side



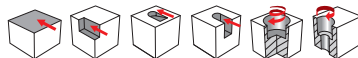
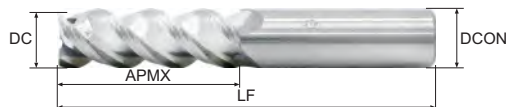
ap : 軸向切削深度 Axial depth of cutting
ae : 徑向切削深度 Radial depth of cutting
DC : 刃徑 Diameter of cutting



MU3-JMA 3000

鋁用 3 刃圓溝 3 離隙立銼刀

For Aluminum Alloy 3 Flutes Rounded Land Triple Edge End Mill



產品型號 Model No	在庫 Stock	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
MU3-JMA3040	●	4	12	4	50	
MU3-JMA3050	●	5	15	6	50	
MU3-JMA3050D5	●	5	15	5	50	
MU3-JMA3060	●	6	18	6	50	
MU3-JMA3060E1	●	6	18	6	75	
MU3-JMA3080	●	8	24	8	60	
MU3-JMA3080E1	●	8	24	8	75	
MU3-JMA3100	●	10	30	10	75	
MU3-JMA3100H	●	10	30	10	100	
MU3-JMA3120	●	12	36	12	75	
MU3-JMA3160	●	16	48	16	100	
MU3-JMA3160L170M	●	16	70	16	150	
MU3-JMA3160L180M	●	16	80	16	150	
MU3-JMA3200	●	20	50	20	100	
MU3-JMA3200L1110R	●	20	110	20	200	
MU3-JMA3200L160R	●	20	60	20	200	

MU3-JMA 3000系列切削參數

The Cutting Data For MU3-JMA 3000 Series

被加工材質
Material

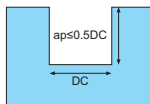
鋁合金
Aluminum

銅
Copper

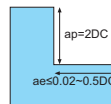
直徑 (mm) Shank		4	5	6	8	10	12	16	20
轉速 n (min)		15500	12800	10500	8000	6400	5400	3900	3200
(mm/min) 進給速度 Vf	開槽 Slotted	1600	1600	900	1000	1100	950	950	900
	側邊 Side	2300	2100	1400	1600	1700	1500	1500	1300

切削深度 Cutting depth

開槽 Slotted



側邊 Side



ap : 軸向切削深度 Axial depth of cutting

ae : 徑向切削深度 Radial depth of cutting

DC : 刃徑 Diameter of cutting