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鎢鋼端銑刀 Carbide End Mill

鎢鋼端銑刀識別系統
規格圖標指南、加工圖標指南
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◎平刀系列 Square Type Series

S-EMM 2000	B09
S-EMML 2000-00	B10—B11
EMM 2000	B12—B13
EMM 2000L	B14—B17
EMM 3000	B18
EMM 4000	B19—B20
EMML 4000	B21
EMM 2000T00	B22
NEW EPM 2000L	B23—B24
GMM 4000	B25—B26
MU-EMM 4000	B27
MU-GMM 4000	B28—B31
MUH-GMM 4000	B32
MUH-IMM 4000	B33
NEW MUH-IGM 4000	B34—B35
NEW MUH-IEM 4000	B36
MUH-IPM 3000L	B37
MUH-IPM 4000	B38
MUH-FPM 4000	B39

◎平刀系列 Square Type Series

NEW LUH-IMM 4000	B40—B41
GMM 6000	B42
FM-CMM 4000	B43
RM-CMM 4000	B43

◎球頭刀系列 Ball Nose Type Series

S-EMB 2000	B44
EMB 2000-00	B45—B46
EMB 2000L2	B47
EMB 2000	B48—B49
NEW DMB 2000	B50—B51
NEW DPB 2000	B51
NEW EPB 2000	B52
NEW EPB 4000	B53
EMB 4000	B54

◎圓鼻刀系列 Corner Radius Type Series

DMR 2000-00-00L2	B55
DMR 2000	B56—B57
DMR 4000	B58—B59
PH-FMR 4000	B60
PH-FPR 4000	B61

◎倒角刀系列 Chamfer Type Series

DR-DMC 2000	B62
DC-DMC 2000	B62
CC-AMC	B63
CR-AMC	B63

◎鋁用刀系列 Aluminum Type Series

GMA 2000	B64
GMA 3000	B65
HMA 2000	B66
HMA 3000	B67
MU2-GMA 3000	B68
MU2-HMA 3000	B69
MU3-JMA 3000	B70



鎢鋼端銑刀識別系統

Carbide End Mill Identification System

S-E M M L 2 000 XXX

1

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7

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1 特徵
Feature2 螺旋角
Helix Angle3 材質
Grade4 用途
Application5 長刃(頸)
Long Flute(or Neck)6 刃數
Flute7 切削直徑
Cutting Diameter8 其他
Other

1 特徵 Feature

記號 Sign	特徵 Feature
S	微小徑 Micro Diameter
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 Irregular Pitch
KUH	圓溝不等分割鑄鐵加工用 Round Land Unequal Split For Cast Iron Processing
PH	不等分割非圓溝 Unequal Division Unequal Helix Non-Round Land
LUII	圓溝不等分割車銑複合端銑刀 Round Land Unequal Split For Turning And Milling Center Carbide End Mill
DR	定位鑽夾角 120° Position Drill 120°
DS	定位鑽夾角 80° Position Drill 80°
DT	定位鑽夾角 60° Position Drill 60°
DC	定位鑽夾角 90° Position Drill 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
FM	精加工粗銑 Fine Pitch & Finishing Roughing
CM	中加工粗銑 Fine Pitch & Medium Roughing
RM	粗加工粗銑 Fine Pitch & Roughing
V	鳩尾槽 Dove-tail Groove
VV	雙刃鳩尾槽 Double-edge Dove-tail Groove
CC	45°V型鳩尾槽刀 Chamfer Cutter 45°
CR	60°V型鳩尾槽刀 Chamfer Cutter 60°

2 螺旋角 Helix Angle

3 材質 Grade

記號 Sign	角度 Angle
A	0°
C	25°
D	30°
E	35°
F	35° / 38°
G	45°
H	55°
I	42° / 45°
J	50°
K	38° / 40°
L	39° / 41°

記號 Sign	材質代號 Grade
E	E300
G	G300
H	H300
M	M500
W	W500
P	P550

4 用途 Application

記號 Sign	用途說明 Application
M	平刀 Square
B	球頭 Ball Nose
R	圓鼻刀 Corner Radius
C	倒角 Chamfer
A	鋁用刀 Aluminum

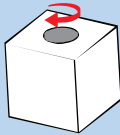
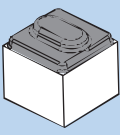
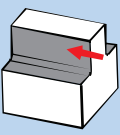
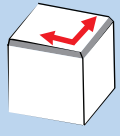
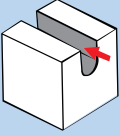
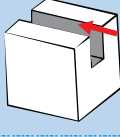
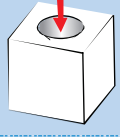
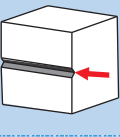
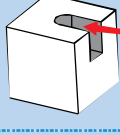
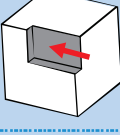
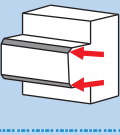
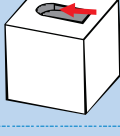
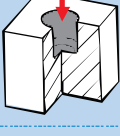
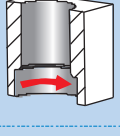
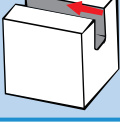
8 其他 Other

R□□	R角 Radius ex : R02=R0.2mm
T□□	錐度刃度數 Tapered ex : T005=0.5°
L1	特殊切刃長度 Special Flute Length
L2	特殊可使用長度
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°
特殊全長 Special L.F	C : 50mm H : 100mm
	D : 60mm M : 150mm
	E1 : 75mm R : 200mm
DX	特殊柄部直徑 Special Shank Dia ex : D6=6mm

規格圖標指南

圖標 Icon	說明 Explanation	圖標 Icon	說明 Explanation
	超微粒子超硬合金 Micro Grain Carbide	  	材質 Grade E300 M500 G300 W500 H300 P550
	含鈷量12% Cobalt Content 12%	  	
  	可被切削材硬度 <55° Hardness of workpiece <55° 可被切削材硬度 <60° Hardness of workpiece <60° 可被切削材硬度 <65° Hardness of workpiece <65°	          	螺旋角度 Helix Angle
 	Altin 塗層 Altin Coating 矽鈦塗層 TiSin Coating		

加工圖標指南

圖標 Icon	說明 Explanation	圖標 Icon	說明 Explanation	圖標 Icon	說明 Explanation
	直角鑽孔 Right Angle Drilling		仿型銑削 Profile Milling		R角側銑 R Corner Side Milling
	圓孔倒角 Chamfer Of Rounding Hole		倒角加工 Chamfer Processing		R溝槽 R Slot
	直角開槽 Right Angle Slotted		定位加工 Position Processing		側面倒角 Side Chamfering
	全開槽 Full Slot		側銑 Side Milling		背面倒角 Back Chamfering
	斜度坡走銑削 Angular Plunge Grinding		R角鑽孔 R Corner Drilling		側面V槽 Side V Groove Processing
	曲面銑削 Surface Milling		R角開槽 R Corner Slotted		



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	銅 Copper	鋁合金 Aluminum	高硬度 材料 High Hardness Material	難切削 材料 Hard To Cut Material
平刀塗層 Fleak Coating (PVD)	MUH-IGM			◎	◎	○	◎	◎			○	
	MUH-IEM			◎	◎	◎	○	◎			○	
	MUH-FPM			◎	◎	◎	○	◎				○
	MUH-IMM			◎	◎	◎	○	◎				○
	MUH-IPM			◎	◎	◎	○	◎				○
	MUH-GMM			◎	◎	○	◎	◎				
	MU-GMM			◎	◎	○	◎	◎				
	MU-EMM			◎	◎	○	◎	◎				
	EMM			◎	◎	○	◎	◎				
	EPM			◎	◎	○	◎	◎				
GMM			◎	◎	○	◎	◎					
圓鼻刀塗層 Corner Radius Coating (PVD)	DMR			◎	◎	○	◎	◎				
	PH-FMR			◎	◎	◎	○	◎				
	PH-FPR			◎	◎	◎	○	◎				○
球頭刀塗層 Ball Nose Type Coating (PVD)	EMB			◎	◎	○	◎	◎				
	DMB			◎	◎	◎	○	◎				
	EPB											
倒角刀塗層 Countersink Coating (PVD)	DR-DMC			◎	◎	○	◎	◎	○	○		
	DC-DMC			◎	◎	○	◎	◎	○	○		
	CC-AMC			◎	◎	○	◎	◎	○	○		
	CR-AMC			◎	◎	○	◎	◎	○	○		
粗銑刀塗層 Roughing Cutter Coating (PVD)	FM-CMM			◎	◎	○	◎	◎				
	RM-CMM			◎	◎	○	◎	◎				
鋁用銑刀 (無塗層) Aluminum Carbide End Mill Without Coating	GMA								○	◎		
	HMA								○	◎		
	MU2-GMA								○	◎		
	MU2-HMA								○	◎		
	MU3-JMA								○	◎		

平刀鎢鋼端銑刀索引表

For Square Type Carbide End Mill Series Index

產品形狀 Item Style	柄部直徑 Shank (mm)	規格圖標 Description	頁碼 Page
S-EMM 2000 	Ø4	MG CO 12% HRC <55 M 500 35 Altin	B09
S-EMML 2000-00 	Ø4	MG CO 12% HRC <55 M 500 35 Altin	B10—B11
EMM 2000 	Ø4 Ø10 Ø20 Ø6 Ø12 Ø8 Ø16	MG CO 12% HRC <55 M 500 35 Altin	B12—B13
EMM2000L1 	Ø4 Ø10 Ø6 Ø12 Ø8	MG CO 12% HRC <55 M 500 35 Altin	B14—B17
EMM 3000 	Ø6 Ø8 Ø10	MG CO 12% HRC <55 M 500 35 Altin	B18
EMM 4000 	Ø4 Ø10 Ø20 Ø6 Ø12 Ø8 Ø16	MG CO 12% HRC <55 M 500 35 Altin	B19—B20
EMML 4000 	Ø4 Ø10 Ø20 Ø6 Ø12 Ø8 Ø16	MG CO 12% HRC <55 M 500 35 Altin	B21
EMM 2000T00 	Ø4 Ø12 Ø6 Ø16 Ø8	MG CO 12% HRC <55 M 500 35 Altin	B22
 EPM 2000L1 	Ø4 Ø10 Ø6 Ø12 Ø8	MG CO 12% HRC <55 P 550 35 TiSin	B23—B24
GMM 4000 	Ø4 Ø10 Ø20 Ø6 Ø12 Ø25 Ø8 Ø16	MG CO 12% HRC <55 M 500 45 Altin	B25—B26
MU-EMM 4000 	Ø4 Ø10 Ø20 Ø6 Ø12 Ø8 Ø16	MG CO 12% HRC <55 M 500 35 Altin	B27
MU-GMM 4000 	Ø4 Ø10 Ø20 Ø6 Ø12 Ø8 Ø16	MG CO 12% HRC <55 M 500 45 Altin	B28—B31
MUH-GMM 4000 	Ø4 Ø10 Ø20 Ø6 Ø12 Ø8 Ø16	MG CO 12% HRC <55 M 500 45 Altin	B32
MUH-IMM 4000 	Ø6 Ø12 Ø8 Ø16 Ø10 Ø20	MG CO 12% HRC <55 M 500 42 45 Altin	B33
 MUH-IGM 4000 	Ø4 Ø10 Ø6 Ø12 Ø8	MG CO 12% HRC <55 G 500 42 45 TiSin	B34—B35



產品形狀 Item Style	柄部直徑 Shank (mm)	規格圖標 Description	頁碼 Page
NEW MUH-IEM 4000 	Ø4 Ø10 Ø6 Ø12 Ø8	     	B36
MUH-IPM 3000L1 	Ø4 Ø10 Ø6 Ø12 Ø8 Ø16	     	B37
MUH-IPM 4000 	Ø6 Ø12 Ø8 Ø16 Ø10 Ø20	     	B38
MUH-FPM 4000 	Ø6 Ø12 Ø8 Ø16 Ø10 Ø20	     	B39
NEW LUH-IMM 4000 	Ø6 Ø8 Ø10	     	B40—B41
GMM 6000 	Ø4 Ø10 Ø20 Ø6 Ø12 Ø25 Ø8 Ø16	     	B42
FM-CMM 4000 	Ø6 Ø12 Ø8 Ø16 Ø10	     	B43
RM-CMM 4000 	Ø6 Ø12 Ø8 Ø16 Ø10	     	B43

球頭鎢鋼端銑刀索引表

For Ball Nose Type Carbide End Mill Series Index

產品形狀 Item Style	柄部直徑 Shank (mm)	規格圖標 Description	頁碼 Page
S-EMB 2000 	Ø4	MG CO 12% HRC <55 M 500 35° Altin	B44
EMB 2000-00 	Ø4	MG CO 12% HRC <55 M 500 35° Altin	B45—B46
EMB 2000L2 	Ø6 Ø8	MG CO 12% HRC <55 M 500 35° Altin	B47
EMB 2000 	Ø4 Ø10 Ø20 Ø6 Ø12 Ø8 Ø16	MG CO 12% HRC <55 M 500 35° Altin	B48—B49
NEW DMB 2000 	Ø4 Ø10 Ø6 Ø12 Ø8	MG CO 12% HRC <55 M 500 30° Altin	B50—B51
NEW DPB 2000 	Ø4 Ø10 Ø6 Ø12 Ø8	MG CO 12% HRC <55 M 500 30° Tisin	B51
NEW EPB 2000 	Ø4 Ø10 Ø20 Ø6 Ø12 Ø8 Ø16	MG CO 12% HRC <55 M 500 35° Altin	B52—B53
NEW EPB 4000 	Ø4 Ø10 Ø20 Ø6 Ø12 Ø8 Ø16	MG CO 12% HRC <55 M 500 35° Altin	B53
EMB 4000 	Ø4 Ø10 Ø20 Ø6 Ø12 Ø8 Ø16	MG CO 12% HRC <55 M 500 30° Altin	B54

圓鼻鎢鋼端銑刀索引表

For Corner Radius Type Carbide End Mill Series Index

產品形狀 Item Style	柄部直徑 DCON(mm)	規格圖標 Description	頁碼 Page
DMR 2000-00-00L2 	Ø4 Ø10 Ø6 Ø12 Ø8	MG CO 12% HRC <55 M 500 30° Altin	B55
DMR 2000 	Ø4 Ø10 Ø6 Ø12 Ø8	MG CO 12% HRC <55 M 500 30° Altin	B56—B57
DMR 4000 	Ø4 Ø10 Ø6 Ø12 Ø8	MG CO 12% HRC <55 M 500 30° Altin	B58—B59
PH-FMR 4000 	Ø4 Ø10 Ø6 Ø12 Ø8	MG CO 12% HRC <55 M 500 35° 3S Altin	B60
PH-FPR 4000 	Ø4 Ø10 Ø6 Ø12 Ø8	MG CO 12% HRC <55 M 500 35° 3S Tisin	B61

倒角專用鎢鋼端銑刀索引表

For Chamfer Type Carbide End Mill Series Index

產品形狀 Item Style	柄部直徑 Shank (mm)	規格圖標 Description	頁碼 Page
DR-DMC 2000 	Ø3 Ø6 Ø12 Ø4 Ø8 Ø16 Ø5 Ø10 Ø20	MG   30° Altin	B62
DC-DMC 2000 	Ø3 Ø6 Ø12 Ø4 Ø8 Ø16 Ø5 Ø10 Ø20	MG   30° Altin	B62
CC-AMC 	Ø6 Ø12 Ø8 Ø10	MG   Altin	B63
CR-AMC 	Ø6 Ø12 Ø8 Ø10	MG   Altin	B63

鋁合金專用鎢鋼端銑刀索引表

For Aluminum Type Carbide End Mill Series Index

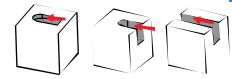
產品形狀 Item Style	柄部直徑 Shank (mm)	規格圖標 Description	頁碼 Page
GMA 2000 	Ø6 Ø8 Ø10	MG   45°	B64
GMA 3000 	Ø4 Ø10 Ø20 Ø6 Ø12 Ø8 Ø16	MG   45°	B65
HMA 2000 	Ø4 Ø10 Ø20 Ø6 Ø12 Ø8 Ø16	MG   55°	B66
HMA 3000 	Ø4 Ø10 Ø20 Ø6 Ø12 Ø8 Ø16	MG   55°	B67
MU2-GMA 3000 	Ø4 Ø10 Ø20 Ø6 Ø12 Ø8 Ø16	MG   45°	B68
MU2-HMA 3000 	Ø4 Ø10 Ø6 Ø12 Ø8	MG   55°	B69
MU3-JMA 3000 	Ø4 Ø10 Ø20 Ø6 Ø12 Ø8 Ø16	MG   50°	B70

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

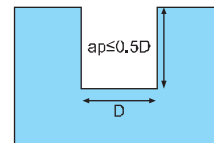
The Cutting Data For S-EMM 2000 Series

切深量 Depth (D : 刃徑F.D)

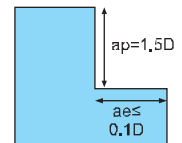
被加工材質：鋼、不鏽鋼、鑄鐵

Material : Steel、Stainless steel、Iron cast

開槽 Slotted



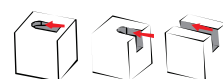
側邊 Side



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

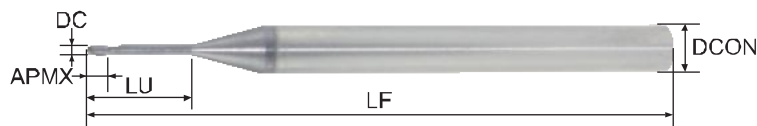
S-EMML 2000-00

MG CO 12% HRC <55 M 500 35 Altin



長頸短刃 2 刃鎢鋼立銑刀

Long Neck Short Flute 2 Flutes Carbide End Mill



產品型號 Model No	在庫 Stock	切削直徑	切刃長度	柄部直徑	可使用長度	標準全長	價格 Price
		DC	APMX	DCON	LU	LF	
S-EMML2004L202	●	0.4	0.6	4	2	50	
S-EMML2004L204	●	0.4	0.6	4	4	50	
S-EMML2005L202	●	0.5	0.8	4	2	50	
S-EMML2005L204	●	0.5	0.8	4	4	50	
S-EMML2005L206	●	0.5	0.8	4	6	50	
S-EMML2006L202	●	0.6	1.0	4	2	50	
S-EMML2006L204	●	0.6	1.0	4	4	50	
S-EMML2006L206	●	0.6	1.0	4	6	50	
S-EMML2006L208	●	0.6	1.0	4	8	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	1.2	4	4	50	
S-EMML2010L206	●	1	1.2	4	6	50	
S-EMML2010L208	●	1	1.2	4	8	50	
S-EMML2010L210	●	1	1.2	4	10	50	
S-EMML2010L212	●	1	1.2	4	12	50	
S-EMML2015L204	●	1.5	1.7	4	4	50	
S-EMML2015L206	●	1.5	1.7	4	6	50	
S-EMML2015L208	●	1.5	1.7	4	8	50	
S-EMML2015L210	●	1.5	1.7	4	10	50	
S-EMML2015L212	●	1.5	1.7	4	12	50	

※ 請接下頁。 ※ Continued on next page.

產品型號 Model No	在庫 Stock	切削直徑	切刃長度	柄部直徑	可使用長度	標準全長	價格 Price
		DC	APMX	DCON	LU	LF	
S-EMML2020L206	●	2	2.2	4	16	50	
S-EMML2020L208	●	2	2.2	4	8	50	
S-EMML2020L210	●	2	2.2	4	0	50	
S-EMML2020L212	●	2	2.2	4	12	50	
S-EMML2020L214	●	2	2.2	4	14	50	
S-EMML2020L216	●	2	2.2	4	16	50	
S-EMML2030L208	●	3	3.2	4	8	50	
S-EMML2030L210	●	3	3.2	4	10	50	
S-EMML2030L212	●	3	3.2	4	12	50	
S-EMML2030L214	●	3	3.2	4	14	50	
S-EMML2030L216	●	3	3.2	4	16	50	
S-EMML2030L220	●	3	3.2	4	20	50	

S-EMML 2000系列切削參數

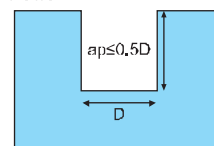
The Cutting Data For S-EMML 2000 Series

切深量 Depth (D: 刃徑F.D)

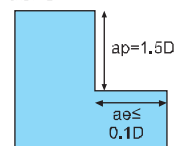
被加工材質: 鋼、不鏽鋼、鑄鐵

Material: Steel、Stainless steel、Iron cast

開槽 Slotted



側邊 Side



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

EMM 2000

新規格上市
New Specification Arrival

MG

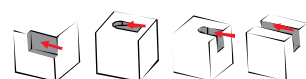
CO
12%

HRC
≤55

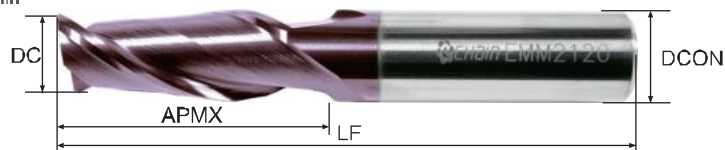
M
500

35°

Alti



2 刃鎢鋼立銑刀
2 Flutes Carbide 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
EMM2010	●	1	2.5	4	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	12.5	6	50	
EMM2030	●	3	7.5	4	50	
EMM2030D6	●	3	7.5	6	50	
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	
EMM2045	●	4.5	11.25	6	50	
EMM2047	●	4.7	11.75	6	50	
EMM2050	●	5	12.5	6	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	

※ 請接下頁。 ※ Continued on next page.

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	
EMM2064	●	6.4	16	8	60	
EMM2068	●	6.8	12.17	8	60	
EMM2070	●	7	17.5	8	60	
EMM2071	●	7.1	17.75	8	60	
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	
NEW EMM2110	●	11	27.5	12	75	
EMM2120	●	12	30	12	75	
EMM2120H	●	12	30	12	100	
EMM2120M	●	12	30	12	150	
EMM2140	●	14	35	16	100	
EMM2160	●	16	48	16	100	
EMM2160M	●	16	48	16	150	
EMM2160R	●	16	48	16	200	
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

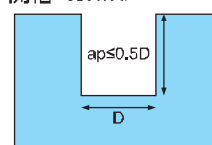
切深量 Depth (D: 刀徑F.D)

被加工材質: 鋼、不鏽鋼、鑄鐵

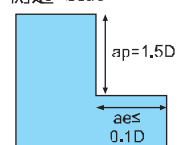
Material: Steel, Stainless steel, Iron cast

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

開槽 Slotted



側邊 Side



EMM 2000L

新規格上市
New Specification Arrival

MG

CO
12%

HRC
≤55

M
500

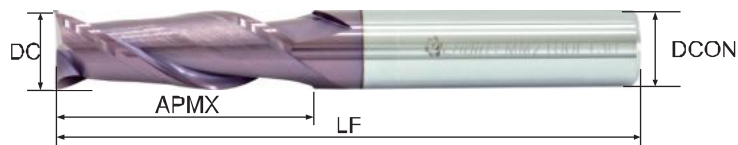
35

Altin



2 刃 3 倍刃長鎢鋼立銑刀

2 Flutes With Triple Flute Length Carbide 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
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	
EMM2030L109D6	●	3	9	6	60	
EMM2031L1093	●	3.1	9.3	4	50	
EMM2032L1096	●	3.2	9.6	4	50	
EMM2033L1099	●	3.3	9.9	4	50	
EMM2034L1102	●	3.4	10.2	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
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	
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	
EMM2046L112D6	●	4.6	12	6	50	
EMM2046L1138	●	4.6	13.8	6	50	
NEW 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	6	60	
EMM2064L1192	●	6.4	19.2	8	60	

※ 請接下頁。 ※ Continued on next page.

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	
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	
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	
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	

※ 請接下頁。 ※ Continued on next page.

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	
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	
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

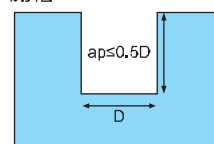
The Cutting Data For EMM 2000L1 Series

切深量 Depth (D: 刃徑F.D)

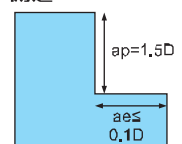
被加工材質: 鋼、不鏽鋼、鑄鐵

Material: Steel、Stainless steel、Iron cast

開槽 Slotted



側邊 Side



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

EMM 3000

新規格上市
New Specification Arrival

MG

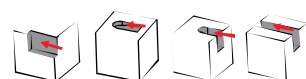
CO
12%

HRC
≤55

M
500

35

Altim



3 刃鎢鋼立銑刀
3 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
EMM3050	●	5	12.5	6	50	
EMM3055L1165	●	5.5	16.5	6	50	
EMM3060	●	6	15	6	50	
EMM3080	●	8	20	8	60	
EMM3100	●	10	25	10	75	
NEW EMM3100L130	●	10	30	10	75	

EMM 3000系列切削參數

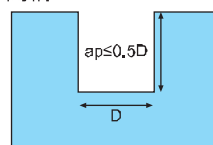
The Cutting Data For EMM 3000 Series

切深量 Depth (D: 刀徑F.D)

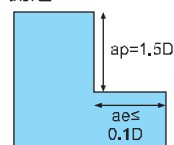
被加工材質: 鋼、不銹鋼、鑄鐵

Material: Steel、Stainless steel、Iron cast

開槽 Slotted



側邊 Side



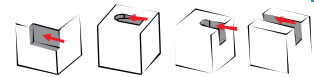
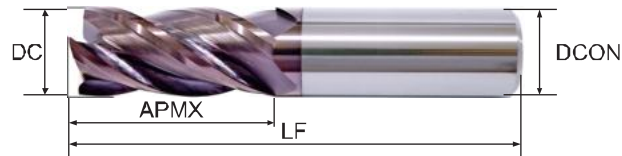
直徑 (mm) Shank		5	5.5	6	8	10
轉速 n (min)		3800	3500	3100	2300	1900
進給速度 (mm/min) Vf	開槽 Slotted	230	230	240	240	240
	側邊 Side	650	650	650	750	750

EMM 4000
新規格上市
New Specification Arrival

MG
CO
12%

HRC
≤65

M
500

35
Altim

4 刃鎢鋼立銑刀
4 Flutes Carbide 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
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	
NEW EMM4025D6	●	2.5	6.25	6	50	
EMM4030	●	3	7.5	4	50	
EMM4030E1	●	3	7.5	4	75	
EMM4030D6	●	3	7.5	6	50	
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	

※ 請接下頁。 ※ Continued on next page.



	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	EMM4065	●	6.5	16.25	8	60	
	EMM4070	●	7	17.5	8	60	
	EMM4080	●	8	20	8	60	
NEW	EMM4080E1	●	8	20	8	75	
	EMM4080H	●	8	20	8	100	
	EMM4080M	●	8	20	8	150	
	EMM4100	●	10	25	10	75	
	EMM4100H	●	10	25	10	100	
	EMM4100M	●	10	25	10	150	
NEW	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	
	EMM4200	●	20	50	20	100	
	EMM4200M	●	20	50	20	150	
	EMM4200R	●	20	50	20	200	

EMM 4000系列切削參數

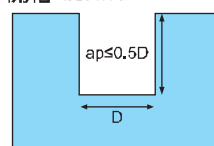
The Cutting Data For EMM 1000 Series

切深量 Depth (D : 刃徑F.D)

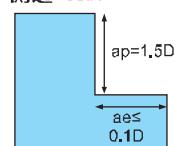
被加工材質：鋼、不鏽鋼、鑄鐵

Material : Steel、Stainless steel、Iron cast

開槽 Slotted



側邊 Side



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

EMML 4000

新規格上市
New Specification Arrival

MG

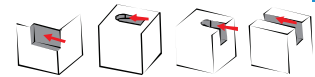
CO
12%

HRC
≤55

M
500

35

Alti



長刃型 4 刃鎢鋼立銑刀

Long Flute 4 Flutes Carbide 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
EMM4030L109D6	●	3	9	6	50	
EMM4040L120E1	●	4	20	4	75	
EMM4050L125E1	●	5	25	6	75	
EMM4060L125E1	●	6	25	6	75	
EMM4060L130H	●	6	30	6	100	
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	
NEW EMM4100L145H	●	10	45	10	100	
EMM4100L150M	●	10	50	10	150	
EMM4120L136	●	12	36	12	75	
EMM4120L145H	●	12	45	12	100	
EMM4120L150M	●	12	50	12	150	
EMM4130L139	●	13	39	16	100	
EMM4140L142	●	14	42	16	100	
EMM4160L170M	●	16	70	16	150	
EMM4200L180M	●	20	80	20	150	

EMML 4000系列切削參數

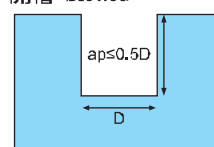
The Cutting Data For EMML 4000 Series

切深量 Depth (D : 刃徑F.D)

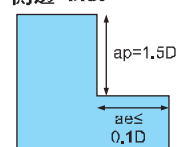
被加工材質：鋼、不銹鋼、鑄鐵

Material : Steel、Stainless steel、Iron cast

開槽 Slotted

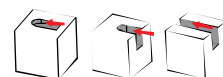


側邊 Side

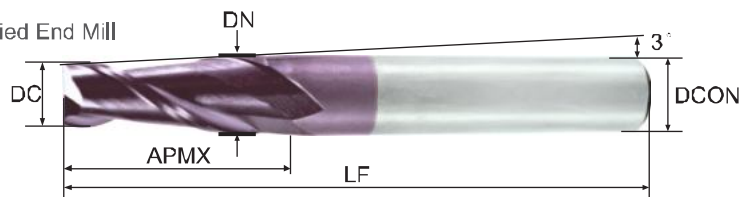


直徑 (mm) Shank		4	6	8	10	12	16	20
轉速 n (min)		4800	3100	2300	1900	1600	1200	950
進給速度 Vf (mm/min)	開槽 Slotted	270	240	240	240	240	270	270
	側邊 Side	950	650	750	750	550	400	320

EMM 2000T00



斜度 2 刃鎢鋼立銑刀
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	
EMM2040T030	●	4.0	15	4	50	5.57	
EMM2060T030	●	6.0	18	6	50	7.89	
EMM2080T030	●	8.0	25	8	60	10.62	
EMM2100T030	●	10.0	35	10	75	13.67	

EMM 2000T00系列切削參數

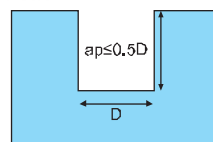
The Cutting Data For EMM 2000T00 Series

切深量 Depth (D : 刃徑F.D)

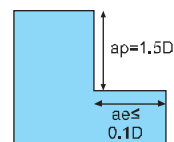
被加工材質：鋼、不鏽鋼、鑄鐵

Material : Steel、Stainless steel、Iron cast

開槽 Slotted



側邊 Side



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	135	120	120	120	120
	側邊 Side	475	325	375	375	275

EPM 2000L系列 EPM 2000L series

2 刃 3 倍刃長鎢鋼立銑刀

2 Flutes With Triple Flute Length Carbide End Mill

專用特殊塗層 Special Coating for

適用材質
Processing on

合金鋼
Alloy Steel

碳鋼
Carbon Steel

可側銑 可插槽 Can Be Side Milling And Slot

全新鎢鋼刀，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。

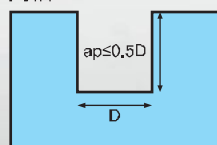
The newest carbide end mills, unique blade structure design, reduce the vibration generated during processing, improve tool life, enhance the effect of remove chip.

螺旋角35°，全新矽鈦塗層。

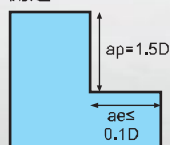
Helix Angle 35°, TiSiN Coating.

切削參數 The Cutting Data

開槽 Slotted

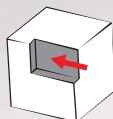


側邊 Side

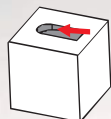


被加工材質：合金鋼、碳鋼
Material : Alloy Steel、Carbon Steel

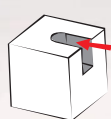
直徑 (mm) Shank		4	6	8	10	12	16	20
轉速 n (min)		4800	3100	2300	1900	1600	1200	950
進給速度 Vf (mm/min)	開槽 Slotted	135	120	120	120	120	135	135
	側邊 Side	475	325	375	375	275	200	165



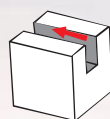
側銑
Side Milling



斜度坡走銑削
Angular Plunge Grinding



全開槽
Full Slot



直角開槽
Right Angle Slotted



EPM 2000L

新品上市
New Arrival

MG

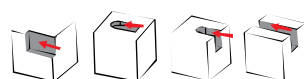
CO
12%

HRC
≤55

P
550

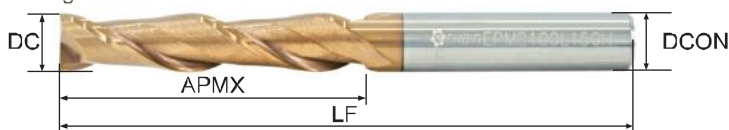
35

TiSi



2 刃 3 倍刃長鎢鋼立銑刀

2 Flutes With Triple Flute Length 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
NEW EPM2010L103		1	3	4	50	
NEW EPM2020L106		2	6	4	50	
NEW EPM2020L106D6		2	6	6	50	
NEW EPM2030L109		3	9	4	50	
NEW EPM2030L109D6		3	9	6	50	
NEW EPM2040	●	4	10	4	50	
NEW EPM2040L112	●	4	12	4	50	
NEW EPM2040L112D6		4	12	6	50	
NEW EPM2050L115		5	15	6	50	
NEW EPM2060E1	●	6	15	6	75	
NEW EPM2060L118	●	6	18	6	50	
NEW EPM2070L121		7	21	8	60	
NEW EPM2080L124	●	8	24	8	60	
NEW EPM2080L124H	●	8	24	8	100	
NEW EPM2090L127	●	9	27	10	75	
NEW EPM2100L130		10	30	10	75	
NEW EPM2100M	●	10	25	10	150	
NEW EPM2110L133	●	11	33	12	75	
NEW EPM2120L136		12	36	12	75	
NEW EPM2120L150M	●	12	50	12	150	

EPM 2000L1 系列切削參數

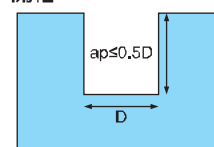
The Cutting Data For EPM 2000L1 Series

切深量 Depth (D : 刃徑 F.D)

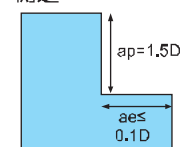
被加工材質：合金鋼、碳鋼

Material : Alloy Steel、Carbon Steel

開槽 Slotted

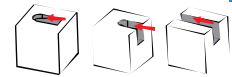


側邊 Side



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

GMM 4000

4 刃鎢鋼立銑刀
4 Flutes Carbide 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
GMM4010	●	1	2.5	4	50	
GMM4010L103	●	1	3	4	50	
GMM4015	●	1.5	3.75	4	50	
GMM4015L104	●	1.5	4	4	50	
GMM4020	●	2	5	4	50	
GMM4020L106	●	2	6	4	50	
GMM4025	●	2.5	6.25	4	50	
GMM4025L107	●	2.5	7	4	50	
GMM4025L1075	●	2.5	7.5	4	50	
GMM4030	●	3	7.5	4	50	
GMM4030L112D6	●	3	12	6	50	
GMM4030L18	●	3	8	4	50	
GMM4035	●	3.5	8.75	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	

※ 請接下頁。 ※ Continued on next page.

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	
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	
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

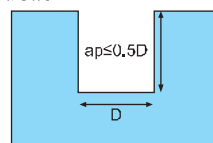
The Cutting Data For GMM 4000 Series

切深量 Depth (D: 刃徑F.D)

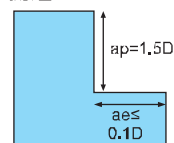
被加工材質: 鋼、不鏽鋼、鑄鐵

Material: Steel, Stainless steel, Iron cast

開槽 Slotted



側邊 Side



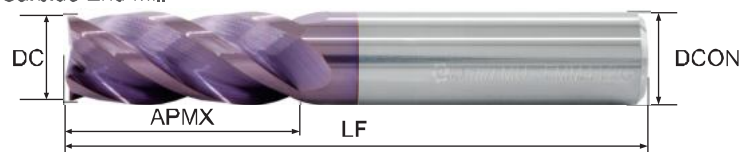
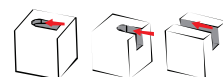
直徑 (mm) Shank		4	6	8	10	12	16	20
轉速 n (min)		4800	3100	2300	1900	1600	1200	950
進給速度 Vf (mm/min)	開槽 Slotted	270	240	240	240	240	270	270
	側邊 Side	950	650	750	750	550	400	320

MU-EMM 4000



圖溝 4 刃鎢鋼立銑刀

4 Flutes Rounded Land Carbide 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
MU-EMM4030	●	3	7.5	4	50	
MU-EMM4030L109D6	●	3	9	6	50	
MU-EMM4030D6	●	3	7.5	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-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	

MU-EMM 4000系列切削參數

The Cutting Data For
MU-EMM 4000 Series

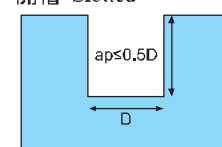
切深量 Depth (D : 刃徑F.D)

被加工材質：鋼、不鏽鋼、鑄鐵

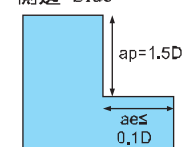
Material : Steel、Stainless steel、Iron cast

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

開槽 Slotted

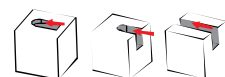


側邊 Side



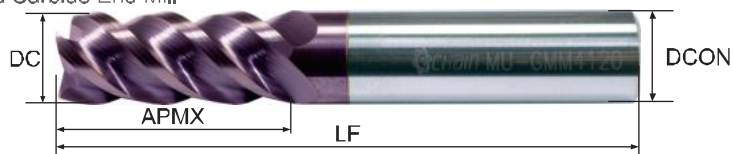


MU-GMM 4000



圓溝 4 刃鎢鋼立銑刀

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-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-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-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	

※ 請接下頁。 ※ Continued on next page.

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	
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	
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-GMM4060E1	●	6	15	6	75	
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	

※ 請接下頁。 ※ Continued on next page.



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	
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	
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-GMM4080E1	●	8	20	8	75	
MU-GMM4080H	●	8	20	8	100	
MU-GMM4080M	●	8	20	8	150	
MU-GMM4080L124	●	8	24	8	60	
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	

※ 請接下頁。 ※ Continued on next page.

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	
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	
MU-GMM4099L1297	●	9.9	29.7	10	75	
MU-GMM4100	●	10	25	10	75	
MU-GMM4100H	●	10	25	10	100	
MU-GMM4100L130	●	10	30	10	75	
MU-GMM4100L130H	●	10	30	10	100	
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-GMM4140	●	14	35	16	100	
MU-GMM4160	●	16	48	16	100	
MU-GMM4160M	●	16	48	16	150	
MU-GMM4200	●	20	50	20	100	

MU-GMM 4000系列切削參數

The Cutting Data For MU-GMM 4000 Series

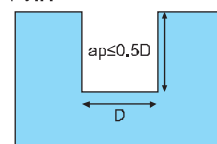
切深量 Depth (D: 刃徑F.D)

被加工材質: 鋼、不鏽鋼、鑄鐵

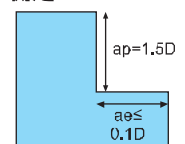
Material: Steel, Stainless steel, Iron cast

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

開槽 Slotted



側邊 Side



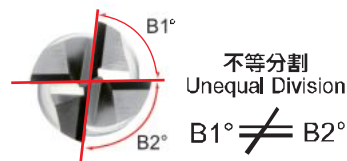
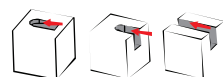


MUH-GMM 4000



不等分割 4 刃鎢鋼立銑刀

4 Flutes Unequal Division 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
MUH-GMM4040	●	4	10	4	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

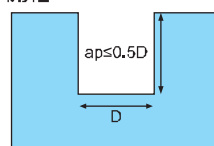
The Cutting Data For MUH-GMM 4000 Series

切深量 Depth (D : 刃徑F.D)

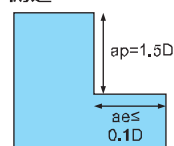
被加工材質：鋼、不銹鋼、鑄鐵

Material : Steel、Stainless steel、Iron cast

開槽 Slotted



側邊 Side



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

MUH-IMM 4000

新規格上市
New Specification Arrival

MG

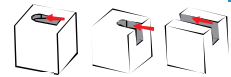
CO
12%

HRC
≤55

M
500

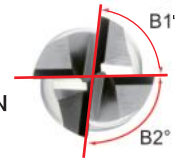
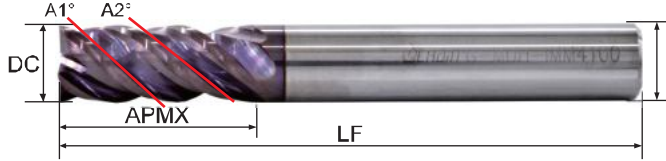
42
45

Alum



不等分不等螺旋 4 刃鎢鋼立銑刀

4 Flutes Unequal Spiral & Unequal Division Carbide End Mill

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

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

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-IMM4040	●	4	10	4	50	
MUH-IMM4040L112D6	●	4	12	6	50	
MUH-IMM4060	●	6	15	6	50	
MUH-IMM4060L118	●	6	18	6	50	
MUH-IMM4070L121	●	7	21	8	60	
NEW MUH-IMM4070L130E1	●	7	30	8	75	
MUH-IMM4080	●	8	20	8	60	
MUH-IMM4080L124	●	8	24	8	60	
MUH-IMM4100	●	10	25	10	75	
MUH-IMM4100L130	●	10	30	10	75	
MUH-IMM4120	●	12	30	12	75	
NEW MUH-IMM4120H	●	12	30	12	100	
MUH-IMM4120L136	●	12	36	12	75	
MUH-IMM4120L145H	●	12	45	12	100	
MUH-IMM4120L155H	●	12	55	12	100	
MUH-IMM4140	●	14	35	16	100	
MUH-IMM4150	●	15	37.5	16	100	
MUH-IMM4160	●	16	48	16	100	
NEW MUH-IMM4180	●	18	45	20	100	
MUH-IMM4200	●	20	50	20	100	

MUH-IMM 4000系列切削參數

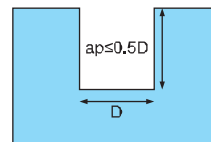
The Cutting Data For MUH-IMM 4000 Series

切深量 Depth (D: 刃徑 F.D)

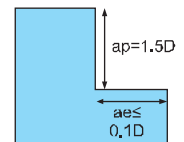
被加工材質: 鋼、不鏽鋼、鑄鐵

Material: Steel、Stainless steel、Iron cast

開槽 Slotted



側邊 Side



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	420	420	420	420	420	420
	側邊 Side	1100	800	950	750	500	400

MUH-IGM 4000、MUH-IEM 4000 系列 series

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

■ 全新高耐磨、高韌性材質

New With High Abrasion Resistance series

可加工高硬度 HRC 55~65° High ductility material HRC55~65

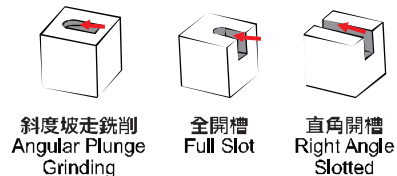
不等角分割利於高速進給加工抗震性，不等螺旋角利於高速加工抗崩裂性。
Unequal division to improve seismic resistance of high-speed feed machining.
Unequal helix angle to improve high tree processing resistance to chipping.

刀刃採用分割角及螺旋角不相等，改變每刃進給量，使每刃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。

The cutting edge adopts the division angle and the spiral angle are not equal, change the feed per blade, make the milling waveform of each edge no longer the same It can effectively reduce and avoid the vibration pattern generated during side milling, conducive to high quality machining surfaces and improved tool life.

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。

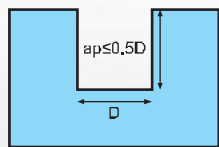
Special U-shaped groove design makes the commissioner with excellent chip removal effect during the plunge milling process reduce workpiece generation port burrs.



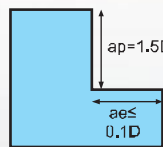
■ 切削參數

The Cutting Data

開槽 Slotted



側邊 Side



被加工材質：鋼、不銹鋼、鑄鐵、合金鋼、碳鋼
Material: Steel, Stainless steel, Iron Cast, Alloy Steel, 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	420	420	420	420	420	420
	側邊 Side	1100	800	950	750	500	400

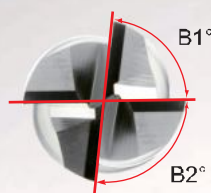
MUH-IGM 4000

適用材質 Processing on

合金鋼
Alloy Steel

不銹鋼
Stainless Steel

鑄鐵
Cast Iron



不等分割
Unequal division

$B1^\circ \neq B2^\circ$



不等螺旋
Unequal helix angle
 $A1^\circ \neq A2^\circ$

螺旋角採用 42°/45° 設計
Helix Angle 42°/45°

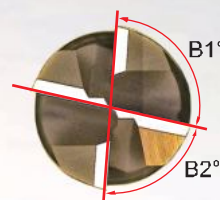
MUH-IEM 4000

適用材質 Processing on

合金鋼
Alloy Steel

碳鋼
Carbon Steel

專用特殊塗層
Special Coating for



不等分割
Unequal division

$B1^\circ \neq B2^\circ$

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

不等螺旋
Unequal Spiral

 $A1^\circ \neq A2^\circ$

不等分割
Unequal Division

 $B1^\circ \neq B2^\circ$

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-IGM4040		4	10	4	50	
 MUH-IGM4040L112		4	12	4	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

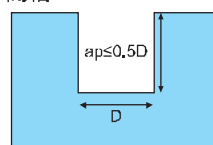
The Cutting Data For MUH-IGM 4000 Series

切深量 Depth (D: 刃徑F.D)

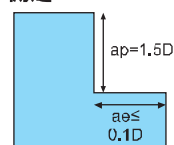
被加工材質: 鋼、不鏽鋼、鑄鐵

Material: Steel、Stainless steel、Iron cast

開槽 Slotted



側邊 Side



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

MUH-IEM 4000

新品上市
New Arrival

MG

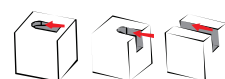
CO
12%

HRC
<65

E
300

42
45

TiSi



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

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



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

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 MUH-IEM4040	●	4	10	4	50	
NEW MUH-IEM4040L112	●	4	12	4	50	
NEW MUH-IEM4060	●	6	15	6	50	
NEW MUH-IEM4060L118	●	6	18	6	50	
NEW MUH-IEM4080	●	8	20	8	60	
NEW MUH-IEM4080L124	●	8	24	8	60	
NEW MUH-IEM4100		10	25	10	75	
NEW MUH-IEM4100L130		10	30	10	75	
NEW MUH-IEM4120		12	30	12	75	
NEW MUH-IEM4120L136		12	36	12	75	

MUH-IEM 4000系列切削參數

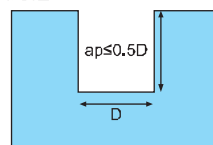
The Cutting Data For MUH-IEM 4000 Series

切深量 Depth (D: 刃徑F.D)

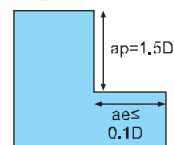
被加工材質: 合金鋼、碳鋼

Material: Alloy Steel、Carbon Steel

開槽 Slotted



側邊 Side



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

MUH-IPM 3000L1

MG

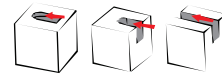
CO
12%

HRC
≤55

P
550

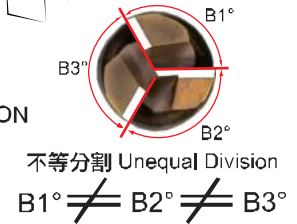
42
45

TiSiN



不等分割不等螺旋 3 刃鎢鋼立銑刀

3 Flutes Unequal Spiral & Unequal Division Carbide End Mill

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


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

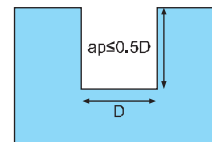
The Cutting Data For MUH-IPM 3000L1 Series

切深量 Depth (D: 刃徑 F.D)

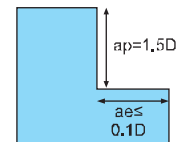
被加工材質: 合金鋼、碳鋼

Material: Alloy Steel、Carbon Steel

開槽 Slotted



側邊 Side



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	360	360	300	300	280	230	230
	側邊 Side	540	480	480	480	400	400	400

MUH-IPM 4000

新規格上市
New Specification Arrival

MG

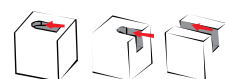
CO
12%

HRC
≤55

P
550

42
45

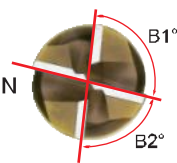
TiSiN



不等分割不等螺旋 4 刃鎢鋼立銑刀

4 Flutes Unequal Spiral & Unequal Division Carbide End Mill

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



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

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-IPM4040	●	4	10	4	50	
NEW MUH-IPM4040D6	●	4	10	6	50	
NEW MUH-IPM4050	●	5	12.5	6	50	
MUH-IPM4060	●	6	15	6	50	
MUH-IPM4060L118	●	6	18	6	50	
MUH-IPM4080	●	8	20	8	60	
MUH-IPM4080L124	●	8	24	8	60	
MUH-IPM4090	●	9	22.5	10	75	
MUH-IPM4100	●	10	25	10	75	
MUH-IPM4100L130	●	10	30	10	75	
MUH-IPM4120	●	12	30	12	75	
MUH-IPM4120L136	●	12	36	12	75	
NEW 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

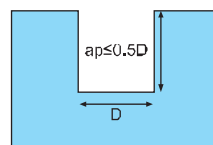
The Cutting Data For MUH-IPM 4000 Series

切深量 Depth (D: 刃徑F.D)

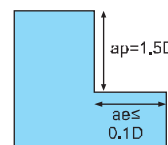
被加工材質: 合金鋼、碳鋼

Material: Alloy Steel、Carbon Steel

開槽 Slotted



側邊 Side



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	480	350	350	300	300	300
	側邊 Side	720	640	580	580	580	400

MUH-FPM 4000

新規格上市
New Specification Arrival

MG

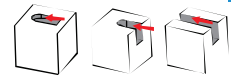
CO
12%

HRC
≤55

P
550

35
38

TiSiN



不等分不等螺旋圓溝 4 刃鎢鋼立銑刀

Round Land Unequal Spiral & Unequal Division 4 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
NEW MUH-FPM4020L106	●	2	6	4	50	
NEW MUH-FPM4030L109	●	3	9	4	50	
NEW MUH-FPM4040L112	●	4	12	4	50	
NEW MUH-FPM4050L115	●	5	15	6	50	
MUH-FPM4060	●	6	15	6	50	
NEW MUH-FPM4060L118	●	6	18	6	50	
MUH-FPM4080	●	8	20	8	60	
NEW MUH-FPM4080L124	●	8	24	8	60	
MUH-FPM4100	●	10	25	10	75	
NEW MUH-FPM4100L130	●	10	30	10	75	
MUH-FPM4120	●	12	30	12	75	
NEW MUH-FPM4120L136	●	12	36	12	75	
MUH-FPM4160		16	48	16	100	
MUH-FPM4200		20	50	20	100	

MUH-FPM 4000系列切削參數

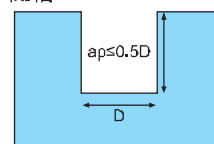
The Cutting Data For MUH-FPM 4000 Series

切深量 Depth (D : 刃徑F,D)

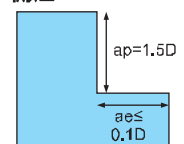
被加工材質：合金鋼、碳鋼

Material : Alloy Steel、Carbon Steel

開槽 Slotted



側邊 Side



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

LUH-IMM 4000 系列

LUH-IMM 4000 series

不等分割不等螺旋車銑複合機用鎢鋼銑刀

Unequal Spiral & Unequal Division Turning
And Milling Center carbide end mill

適用材質
Processing on

合金鋼
Alloy Steel

不鏽鋼
Stainless Steel

鑄鐵
Cast Iron

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 division to improve seismic resistance of high-speed feed machining.
Unequal helix angle to improve high speed processing resistance to chipping.

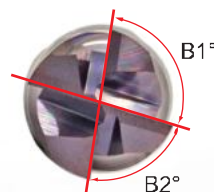
刀刃採用分割角及螺旋角不相等，改變每刃進給量，使每刃的銑削波形不再相同，可有效降低或避免刀具進行側銑時的切削震動紋路，有利於獲得高質量的加工表面和提高刀具壽命。

The cutting edge adopts the division angle and the spiral angle are not equal, change the feed per blade, make the milling waveform of each edge no longer the same. It can effectively reduce and avoid the vibration pattern generated during side milling, conducive to high quality machining surfaces and improved tool life.

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。
Special U-shaped groove design makes the commissioner with excellent chip removal effect during the plunge milling process reduce workpiece generation port burrs.

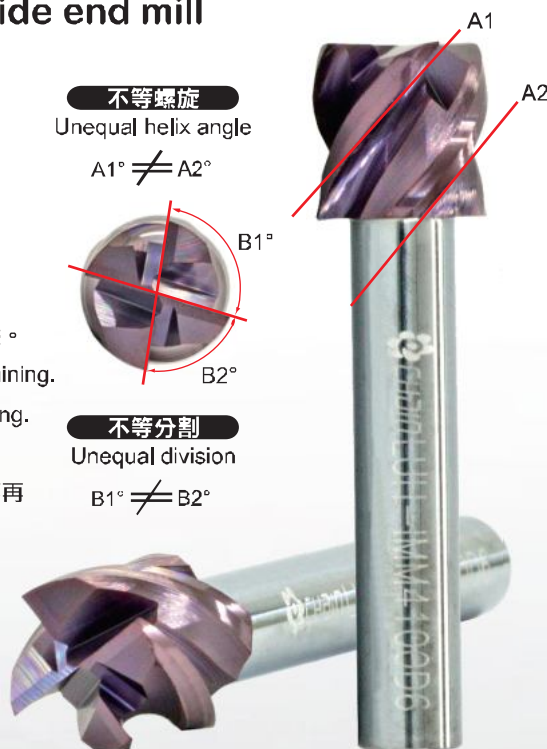
不等螺旋
Unequal helix angle

$$A1^\circ \neq A2^\circ$$

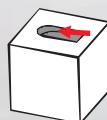


不等分割
Unequal division

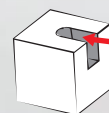
$$B1^\circ \neq B2^\circ$$



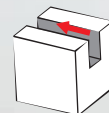
螺旋角採用42°/45°設計
Helix Angle 42°/45°



斜度坡走銑削
Angular Plunge
Grinding



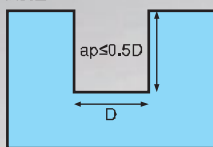
全開槽
Full Slot



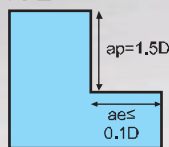
直角開槽
Right Angle Slotted

切削參數 The Cutting Data

開槽 Slotted



側邊 Side



被加工材質：鋼、不鏽鋼、鑄鐵
Material : Steel、Stainless steel、Iron cast

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

LUH-IMM 4000

新品上市
New Arrival

MG

CO
12%

HRC
≤55

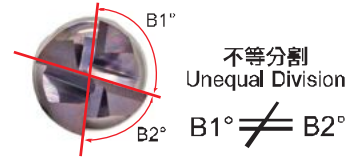
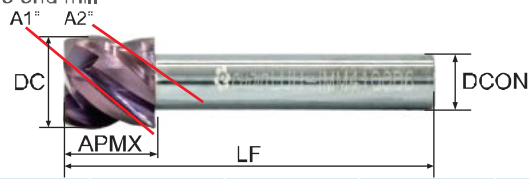
M
500

42
45

Alum

車銑複合機用鎢鋼銑刀

Turning and milling Center carbide end mill

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


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 LUH-IMM4080		8	8	8	40	
NEW LUH-IMM4080D6		8	8	6	40	
NEW LUH-IMM4100D6	●	10	10	6	40	
NEW LUH-IMM4120D10	●	12	12	10	40	
NEW LUH-IMM4160D10		16	16	10	40	

LUH-IMM 4000系列切削參數

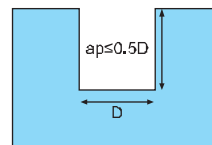
The Cutting Data For LUH-IMM 4000 Series

切深量 Depth (D: 刃徑F.D)

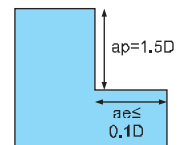
被加工材質: 鋼、不鏽鋼、鑄鐵

Material: Steel、Stainless steel、Iron cast

開槽 Slotted

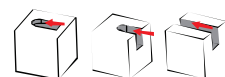


側邊 Side



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

GMM 6000



6 刃鎢鋼立銑刀

6 Flutes Carbide End Mill

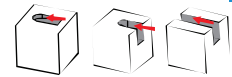


產品型號 Model No	在庫 Stock	切削直徑	切刃長度	柄部直徑	標準全長	價格 Price
		DC	APMX	DCON	LF	
GMM6040	●	4	10	4	50	
GMM6045	●	4.5	11.25	6	50	
GMM6050	●	5	12.5	6	50	
GMM6060	●	6	15	6	50	
GMM6060L118	●	6	18	6	50	
GMM6080	●	8	20	8	60	
GMM6100	●	10	25	10	75	
GMM6120	●	12	30	12	75	
GMM6160	●	16	48	16	100	
GMM6200	●	20	50	20	100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

FM-CMM 4000



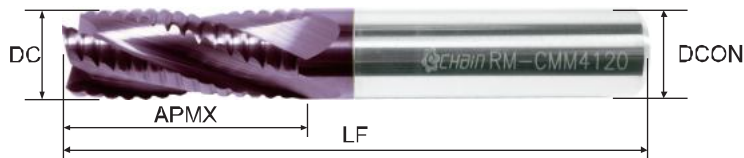
細齒 4 刃鎢鋼粗銑刀
4 Flutes Carbide Fine
Pitch & Finishing
Roughing Carbide
End Mill



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
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	

RM-CMM 4000

粗齒 4 刃鎢鋼粗銑刀
4 Flutes Carbide 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-CMM4080	●	8	20	8	60	
RM-CMM4100	●	10	25	10	75	
RM-CMM4120	●	12	30	12	75	
RM-CMM4120L136	●	12	36	12	75	
RM-CMM4160	●	16	48	16	100	

FM-CMM 4000、RM-CMM 4000 系列切削參數

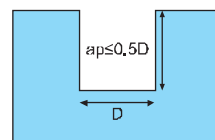
The Cutting Data For FM-CMM 4000、RM-CMM 4000 Series

切深量 Depth (D: 刃徑 F.D)

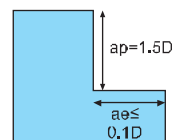
被加工材質: 鋼、不鏽鋼、鑄鐵

Material: Steel、Stainless steel、Iron cast

開槽 Slotted



側邊 Side



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



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	切刃長展 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	●	0.20	0.4	0.8	4	50	
S-EMB2005	●	0.25	0.5	1	4	50	
S-EMB2006	●	0.30	0.6	1.2	4	50	
S-EMB2007	●	0.35	0.7	1.4	4	50	
S-EMB2008	●	0.40	0.8	1.6	4	50	
S-EMB2009	●	0.45	0.9	1.8	4	50	

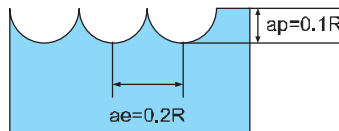
S-EMB 2000系列切削參數

The Cutting Data For S-EMB 2000 Series

切深量 Depth (R : 半徑Radius)

被加工材質：鋼、不鏽鋼、鑄鐵

Material : Steel、Stainless steel、Iron cast



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

EMB 2000-00

MG

CO
12%

HRC
≤55

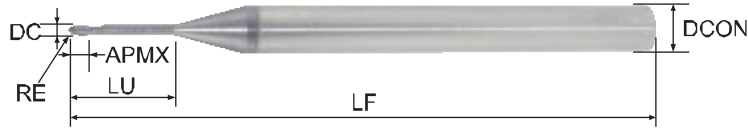
M
500

35°

AlTiN

長頸短刃球頭 2 刃鎢鋼立銑刀

For Aluminum Alloy 2 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	可使用長度 LU	標準全長 LF	價格 Price
EMB2004L202	●	0.2	0.4	0.4	4	2	50	
EMB2004L204	●	0.2	0.4	0.4	4	4	50	
EMB2005L202	●	0.25	0.5	0.5	4	2	50	
EMB2005L204	●	0.25	0.5	0.5	4	4	50	
EMB2005L206	●	0.25	0.5	0.5	4	6	50	
EMB2006L202	●	0.3	0.6	0.6	4	2	50	
EMB2006L204	●	0.3	0.6	0.6	4	4	50	
EMB2006L206	●	0.3	0.6	0.6	4	6	50	
EMB2006L208	●	0.3	0.6	0.6	4	8	50	
EMB2008L203	●	0.4	0.8	0.8	4	3	50	
EMB2008L204	●	0.4	0.8	0.8	4	4	50	
EMB2008L206	●	0.4	0.8	0.8	4	6	50	
EMB2008L208	●	0.4	0.8	0.8	4	8	50	
EMB2008L210	●	0.4	0.8	0.8	4	10	50	
EMB2010L204	●	0.5	1	1	4	4	50	
EMB2010L206	●	0.5	1	1	4	6	50	
EMB2010L208	●	0.5	1	1	4	8	50	
EMB2010L210	●	0.5	1	1	4	10	50	
EMB2010L212	●	0.5	1	1	4	12	50	
EMB2015L204	●	0.75	1.5	1.5	4	4	50	
EMB2015L206	●	0.75	1.5	1.5	4	6	50	
EMB2015L208	●	0.75	1.5	1.5	4	8	50	
EMB2015L210	●	0.75	1.5	1.5	4	10	50	
EMB2015L212	●	0.75	1.5	1.5	4	12	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	切削長度 APMX	柄部直徑 DCON	可使用長度 LU	標準全長 LF	價格 Price
EMB2020L206	●	1	2	2	4	6	50	
EMB2020L208	●	1	2	2	4	8	50	
EMB2020L210	●	1	2	2	4	10	50	
EMB2020L212	●	1	2	2	4	12	50	
EMB2020L214	●	1	2	2	4	14	50	
EMB2020L216	●	1	2	2	4	16	50	
EMB2030L208	●	1.5	3	3	4	8	50	
EMB2030L210	●	1.5	3	3	4	10	50	
EMB2030L212	●	1.5	3	3	4	12	50	
EMB2030L214	●	1.5	3	3	4	14	50	
EMB2030L216	●	1.5	3	3	4	16	50	
EMB2030L220	●	1.5	3	3	4	20	50	
EMB2040L212	●	2	4	4	4	12	50	
EMB2040L214	●	2	4	4	4	14	50	
EMB2040L216	●	2	4	4	4	16	50	
EMB2040L220	●	2	4	4	4	20	50	
EMB2040L225	●	2	4	4	4	25	50	

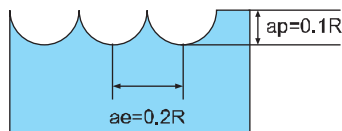
EMB 2000-00系列切削參數

The Cutting Data For EMB 2000-00 Series

切深量 Depth (R : 半徑Radius)

被加工材質：鋼、不鏽鋼、鑄鐵

Material : Steel、Stainless steel、Iron cast



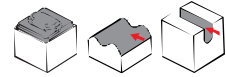
直徑 (mm) Shank	4
轉速 n (min)	6400
進給速度 Vf (mm/min)	235

EMB 2000L2

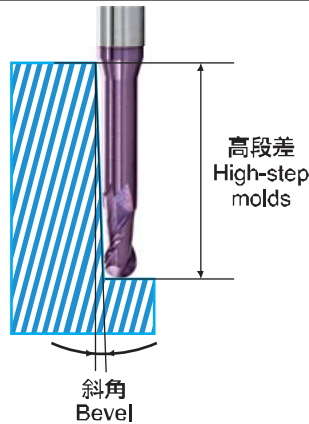


長頸球頭 2 刃鎢鋼立銑刀

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	可使用長度 LU	標準全長 LF	價格 Price
EMB2060L220	●	3	6	6	6	20	50	
EMB2060L235HD8	●	3	6	6	8	35	100	
EMB2060L240MD8	●	3	6	6	8	40	150	



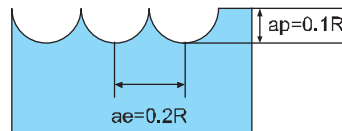
EMB 2000L2系列切削參數

The Cutting Data For EMB 2000L2 Series

切深量 Depth (R : 半徑Radius)

被加工材質：鋼、不鏽鋼、鑄鐵

Material : Steel、Stainless steel、Iron cast



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

EMB 2000

新規格上市
New Specification Arrival

MG

CO
12%

HRC
<55

M
500

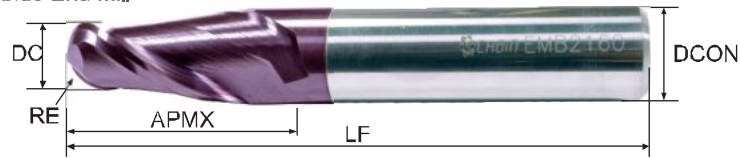
35

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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
EMB2010	●	0.5	1	2	4	50	
EMB2015	●	0.75	1.5	3	4	50	
EMB2015D6	●	0.75	1.5	3	6	50	
NEW EMB2015E1D6	●	0.75	1.5	3	6	75	
EMB2020	●	1	2	4	4	50	
EMB2020D6	●	1	2	4	6	50	
NEW 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	
EMB2030D6	●	1.5	3	6	6	50	
NEW 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	60	
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	

※ 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
EMB2050H	●	2.5	5	10	6	100	
EMB2060	●	3	6	12	6	50	
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	
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	
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

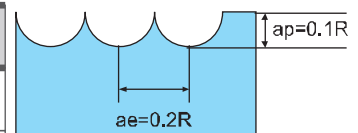
The Cutting Data For EMB 2000 Series

切深量 Depth (R : 半徑Radius)

被加工材質：鋼、不鏽鋼、鑄鐵

Material : Steel、Stainless steel、Iron cast

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)	235	245	275	275	255	230	205



DMB 2000、DPB 2000 系列

DMB 2000、DPB 2000 series

鎢鋼球頭銑刀

Ball Nose Carbide End Mill

全新進口棒材 Latest Import Carbide Rod

採用全新進口棒材，加工工件硬度HRC55度以下。

Using the latest import carbide rod, it can process on hardness up to 55HRC.

採用國際公差標準 h 5，公差範圍控制在 μ 級精度。

International tolerance standard h5, tolerance range control at μ level accuracy.

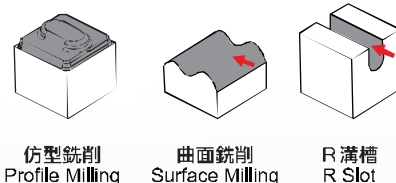
圓形刃帶 Using Round Flute

採用圓形刃帶，大幅提高了耐震性和耐崩損性。

Using round flute improve the shock resistance and resistance to collapse.

通過減少切削阻力，實現了高速高進給加工。

By reducing cutting resistance to achieve high speed and feeding processing.

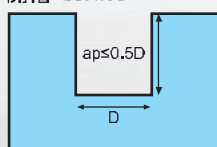


耐震高、抗崩損 Improve The Shock Resistance And Resistance To Collapse

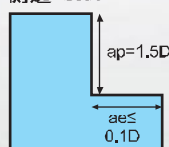
切削參數

The Cutting Data

開槽 Slotted



側邊 Side



被加工材質：鋼、不鏽鋼、鑄鐵、合金鋼、碳鋼
Material : Steel、Stainless steel、Iron cast、Alloy Steel、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)	235	245	275	275	255	230	205

DMB 2000

適用材質 Processing on

鋼
Steel

不鏽鋼
Stainless Steel

鑄鐵
Cast Iron

DPB 2000

適用材質 Processing on

合金鋼
Alloy Steel

碳鋼
Carbon Steel

專用特殊塗層
Special Coating for

螺旋角採用30°設計
Helix Angle 30°

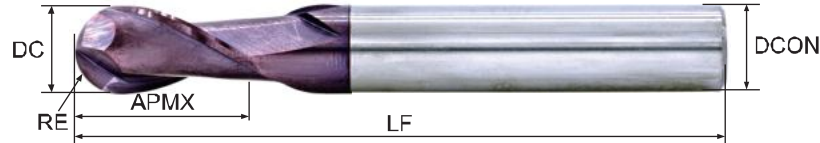
DMB 2000





球頭 2 刃鎢鋼立銑刀

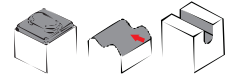
2 Flutes Ball Nose Carbide End Mill



產品型號 Model No	在庫 Stock	刃角 R RE	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
 DMB2030	●	1.5	3	6	4	50	
 DMB2040	●	2	4	8	4	50	
 DMB2050	●	2.5	5	10	6	50	
 DMB2060	●	3	6	12	6	50	
 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	

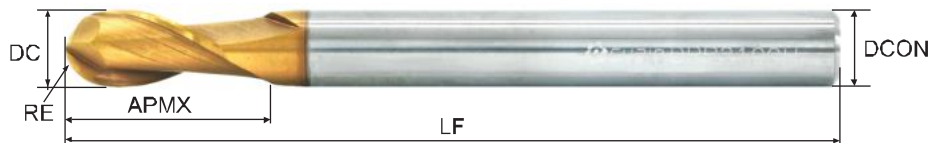
DPB 2000





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
 DPB2100H	●	5	10	20	10	100	

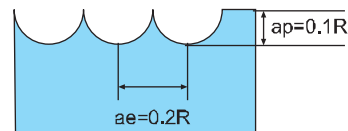
DMB 2000、DPB 2000系列切削參數

The Cutting Data For DMB 2000、DPB 2000 Series

切深量 Depth (R：半徑Radius)

被加工材質：鋼、不鏽鋼、鑄鐵

Material：Steel、Stainless steel、Iron cast



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)	235	245	275	275	255	230	205

EPB 2000、EPB 4000 系列

EPB 2000、EPB 4000 series

鎢鋼球頭銑刀

Ball Nose Carbide End Mill

全新進口棒材 Latest Import Carbide Rod

採用全新進口棒材，加工工件硬度HRC55度以下。

Using the latest import carbide rod, it can process on hardness up to 55HRC.

採用國際公差標準 h 5，公差範圍控制在 μ 級精度。

International tolerance standard h5, tolerance range control at μ level accuracy.

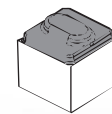
圓形刃帶 Using Round Flute

採用圓形刃帶，大幅提高了耐震性和耐崩損性。

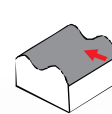
Using round flute improve the shock resistance and resistance to collapse.

通過減少切削阻力，實現了高速高進給加工。

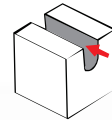
By reducing cutting resistance to achieve high speed and feeding processing.



仿型銑削
Profile Milling



曲面銑削
Surface Milling



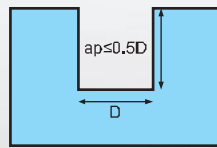
R 溝槽
R Slot

耐震高、抗崩損 Improve The Shock Resistance And Resistance To Collapse

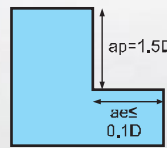
切削參數

The Cutting Data

開槽 Slotted



側邊 Side



被加工材質：合金鋼、碳鋼

Material : Alloy Steel、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)	235	245	275	275	255	230	205

EPB 2000



EPB 4000



適用材質
Processing on

合金鋼
Alloy Steel

碳 鋼
Carbon Steel

專用特殊塗層
Special Coating for

EPB 2000

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

 新品上市
New Arrival

MG

CO
12%

HRC
≤55

M
500

35

TiSiN



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
 EPB2020	●	1	2	4	4	50	
 EPB2030	●	1.5	3	6	4	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	
 EPB2080	●	4	8	16	8	60	
 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 4000

球頭 4 刃鎢鋼立銑刀
4 Flutes Ball Nose
Carbide End Mill

 新品上市
New Arrival

MG

CO
12%

HRC
≤55

M
500

35

TiSiN



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
 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	
 EPB4060		3	6	12	6	50	
 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	

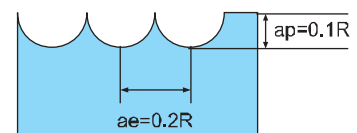
EPB 2000系列切削參數

切深量 Depth (R : 半徑Radius)

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

The Cutting Data For EPB 2000 Series

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)	235	245	275	275	255	230	205



EMB 4000

新規格上市
New Specification Arrival

MG

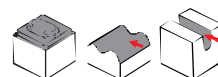
CO
12%

HRC
≤55

M
500

35

Altin



球頭 4 刃鎢鋼立銑刀

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	
NEW EMB4035D6	●	1.75	3.5	7	6	50	
EMB4040	●	2	4	8	4	50	
NEW 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	
EMB4080	●	4	8	16	8	60	
EMB4080E1	●	4	8	16	8	75	
EMB4080H	●	4	8	16	8	100	
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

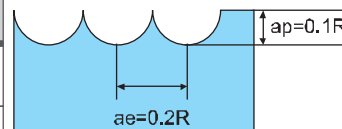
The Cutting Data For EMB 4000 Series

切深量 Depth (R : 半徑Radius)

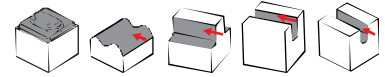
被加工材質：鋼、不鏽鋼、鑄鐵

Material : Steel、Stainless steel、Iron cast

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



DMR 2000-00-00L2



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	切刃長度 APMX	柄部直徑 DCON	可使用長度 LU	標準全長 LF	價格 Price
DMR2030R02L203		0.2	3	7.5	4	3	50	
DMR2030R05L203		0.5	3	7.5	4	3	50	
DMR2040R02L204		0.2	4	10	4	4	50	
DMR2040R05L204		0.5	4	10	4	4	50	
DMR2060R02L206		0.2	6	15	6	6	50	
DMR2060R05L206		0.5	6	15	6	6	50	
DMR2060R10L206		1	6	15	6	6	50	
DMR2080R05L210		0.5	8	20	8	10	60	
DMR2080R10L210		1	8	20	8	10	60	
DMR2100R05L212		0.5	10	25	10	12	75	
DMR2100R10L212		1	10	25	10	12	75	
DMR2120R05L214		0.5	12	30	12	14	75	
DMR2120R10L214		1	12	30	12	14	75	

DMR 2000-00-00L2系列切削參數

The Cutting Data For DMR 2000-00-00L2 Series

切深量 Depth (D : 刃徑F.D)

被加工材質：鋼、不鏽鋼、鑄鐵

Material : Steel、Stainless steel、Iron cast

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 2000

新規格上市
New Specification Arrival

MG

CO
12%HRC
≤55M
500

30°

Alti[®]

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	切削直徑	切削長度	柄部直徑	標準全長	價格 Price
		RE	DC	APMX	DCON	LF	
DMR2010R02	●	0.2	1	2.5	4	50	
DMR2015R02	●	0.2	1.5	3.75	4	50	
NEW DMR2015R02E1D6	●	0.2	1.5	3.75	6	75	
DMR2020R02	●	0.2	2	5	4	50	
DMR2020R05	●	0.5	2	5	4	50	
NEW 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	
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	
DMR2060R02	●	0.2	6	15	6	50	
DMR2060R02E1	●	0.2	6	15	6	75	

※ 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
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	
DMR2060R10H	●	1	6	15	6	100	
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 2000系列切削參數

The Cutting Data For DMR 2000 Series

切深量 Depth (D: 刃徑F.D)
被加工材質: 鋼、不鏽鋼、鑄鐵
Material: Steel、Stainless steel、Iron cast

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 4000

新規格上市
New Specification Arrival

MG

CO
12%HRC
≤55M
500

30°

Alti[®]圓鼻 4 刃鎢鋼立銑刀
4 Flutes Corner Radius
Carbide End Mill

產品型號 Model No	在庫 Stock	刃角 R RE	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
DMR4010R02	●	1	0.2	2.5	4	50	
DMR4010R02L103	●	1	0.2	3	4	50	
DMR4015R02	●	1.5	0.2	3.75	4	50	
DMR4015R02L104	●	1.5	0.2	4	4	50	
DMR4020R02	●	2	0.2	5	4	50	
DMR4020R02L106	●	2	0.2	6	4	50	
DMR4020R05	●	2	0.5	5	4	50	
DMR4020R05L106	●	2	0.5	6	4	50	
DMR4025R02	●	2.5	0.2	6.25	4	50	
DMR4030R02	●	3	0.2	7.5	4	50	
DMR4030R02L106	●	3	0.2	6	4	50	
DMR4030R02L108	●	3	0.2	8	4	50	
DMR4030R02E1	●	3	0.2	7.5	4	75	
DMR4030R05	●	3	0.5	7.5	4	50	
DMR4030R05E1	●	3	0.5	7.5	4	75	
NEW DMR4030R05E1D6	●	3	0.5	7.5	6	75	
DMR4030R05L108	●	3	0.5	8	4	50	
DMR4030R10	●	3	1	7.5	4	50	
DMR4030R10E1	●	3	1	8	4	75	
DMR4030R10D6	●	3	1	7.5	6	50	
DMR4040R02	●	4	0.2	7.5	4	50	
DMR4040R02E1	●	4	0.2	10	4	75	
DMR4040R02H	●	4	0.2	10	4	100	
DMR4040R05	●	4	0.5	10	4	50	
DMR4040R05E1	●	4	0.5	10	4	75	
NEW DMR4040R05E1D6	●	4	0.5	10	6	75	
DMR4040R05H	●	4	0.5	10	4	100	
DMR4040R10	●	4	1	10	4	50	
DMR4040R10E1	●	4	1	10	4	75	
DMR4040R10H	●	4	1	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	
DMR4060R02	●	0.2	6	15	6	50	
DMR4060R02E1	●	0.2	6	15	6	75	
DMR4060R02H	●	0.2	6	15	6	100	
DMR4060R05	●	0.5	6	15	6	50	
DMR4060R05E1	●	0.5	6	15	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	
DMR4060R20	●	2	6	15	6	50	
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	
DMR4080R10E1	●	1	8	20	8	75	
DMR4080R10H	●	1	8	20	8	100	
DMR4080R15	●	1.5	8	20	8	60	
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	
DMR4100R15	●	1.5	10	25	10	75	
DMR4100R20	●	2	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	

DMR 4000系列切削參數 The Cutting Data For DMR 4000 Series

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

切深量 Depth (D: 刃徑F.D)
被加工材質: 鋼、不鏽鋼、鑄鐵
Material: Steel、Stainless steel、
Iron cast

PH-FMR 4000

 新規格上市
New Specification Arrival

 MG

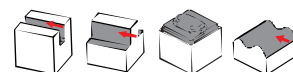
 CO 12%

 HRC <55

 M 500

 35 38

 Altin



不等分割不等螺旋圓鼻 4 刃鎢鋼立銑刀

4 Flutes Unequal Spiral & Unequal Division Corner Radius Carbide End Mill



產品型號 Model No	在庫 Stock	刃角 R	切削直徑	切刃長度	柄部直徑	標準全長	價格 Price
		RE	DC	APMX	DCON	LF	
PH-FMR4040R05	●	0.5	4	10	4	50	
PH-FMR4040R10	●	1	4	10	4	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-FMR4100R10		1	10	25	10	75	
PH-FMR4100R10L130	●	1	10	30	10	75	
PH-FMR4120R05		0.5	12	30	12	75	
PH-FMR4120R10	●	1	12	30	12	75	
 PH-FMR4120R30	●	3	12	30	12	75	

PH-FMR 4000系列切削參數

The Cutting Data For PH-FMR 4000 Series

切深量 Depth (D: 刃徑F.D)

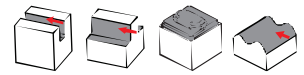
被加工材質: 鋼、不鏽鋼、鑄鐵

Material: Steel、Stainless steel、Iron cast

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-FPR 4000

新規格上市
New Specification Arrival

MG
**CO
12%**
**HRC
<55**
**M
500**
**35
38**
TiSiN


不等分割不等螺旋圓鼻 4 刃鎢鋼立銑刀

4 Flutes Unequal Spiral & Unequal Division Corner Radius Carbide End Mill



產品型號 Model No	在庫 Stock	刃角 R	切削直徑	切刃長度	柄部直徑	標準全長	價格 Price
		RE	DC	APMX	DCON	LF	
PH-FPR4040R05		0.5	4	10	4	50	
PH-FPR4040R10	●	1	4	10	4	50	
PH-FPR4060R05		0.5	6	15	6	50	
PH-FPR4060R10	●	1	6	15	6	50	
PH-FPR4080R05		0.5	8	20	8	60	
PH-FPR4080R10	●	1	8	20	8	60	
PH-FPR4100R05		0.5	10	25	10	75	
PH-FPR4100R10		1	10	25	10	75	
PH-FPR4100R10L130	●	1	10	30	10	75	
NEW PH-FPR4100R15	●	1.5	10	25	10	75	
NEW PH-FPR4100R20	●	2	10	25	10	75	
NEW PH-FPR4100R20L130	●	2	10	30	10	75	
PH-FPR4120R30L136	●	3	12	36	12	75	
PH-FPR4120R05		0.5	12	30	12	75	
PH-FPR4120R10	●	1	12	30	12	75	

PH-FPR 4000系列切削參數

The Cutting Data For PH-FPR 4000 Series

切深量 Depth (D : 刃徑 F.D)

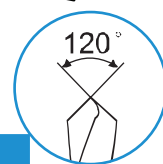
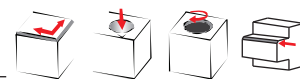
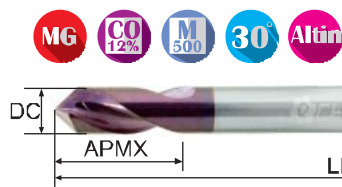
被加工材質：合金鋼、碳鋼

Material : Alloy Steel、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

DR-DMC 2000

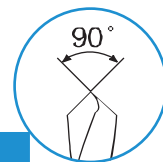
2 刃鎢鋼定位鑽
2 Flutes Positioning Drill



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	8	3	50	
DR-DMC2040	●	4	12	4	50	
DR-DMC2050	●	5	20	5	50	
DR-DMC2060	●	6	20	6	50	
DR-DMC2080	●	8	25	8	60	
DR-DMC2100	●	10	25	10	75	
DR-DMC2120	●	12	30	12	75	
DR-DMC2160	●	16	35	16	100	
DR-DMC2200	●	20	40	20	100	

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	8	3	50	
DC-DMC2040	●	4	12	4	50	
DC-DMC2040E1	●	4	12	4	75	
DC-DMC2050	●	5	20	5	50	
DC-DMC2060	●	6	20	6	50	
DC-DMC2080	●	8	25	8	60	
DC-DMC2100	●	10	25	10	75	
DC-DMC2120	●	12	30	12	75	
DC-DMC2160	●	16	35	16	100	
DC-DMC2200	●	20	40	20	100	

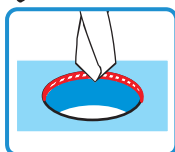
DR-DMC 2000、DC DMC 2000系列切削參數

The Cutting Data For DR-DMC 2000、DC DMC 2000 Series

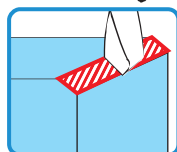
被加工材質：鋼、不鏽鋼、鑄鐵
Material: Steel、Stainless steel、Iron cast

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	110
進給速度 Vf (mm/min)	300	220	180	150	120	90	80	60	45

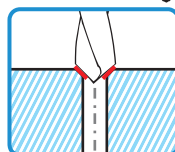
圓孔倒角加工
Large hole chamfering



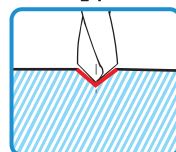
倒角加工
Chamfering



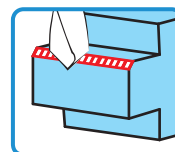
孔倒角加工
Hole Chamfering



定心加工
Positioning processing



背面倒角加工
Back Chamfering



CC-AMC

新規格上市
New Specification Arrival

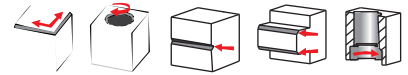
MG

CO
12%

M
500

Altin

V 型鳩尾槽鏢鋼刀
V-Type Chamfer Cutter

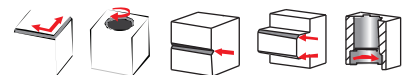
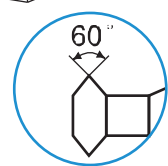


產品型號 Model No	在庫 Stock	切削直徑 DC	切刃長度 APMX	柄部直徑 DCON	頸徑 DN	可使用長度 LU	標準全長 LF	刃數 CICT	價格 Price
NEW CC-AMC4080L1038	●	8	3.8	8	3.8	9	60	4	
CC-AMC4060L1028	●	6	2.8	6	2.8	7	60	4	
CC-AMC6080L1038	●	8	3.8	8	3.8	9	60	6	
CC-AMC6100L1048	●	10	4.8	10	4.8	11	75	6	
CC-AMC6120L1058	●	12	5.8	12	5.8	13	75	6	

CR-AMC

MG CO 12% M 500 Altin

V 型鳩尾槽鏢鋼刀
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
CR-AMC4060L1018	●	6	1.8	6	2.7	6	60	4	
CR-AMC6080L1024	●	8	2.4	8	3.6	8	60	6	
CR-AMC6100L1031	●	10	3.1	10	4.5	10	75	6	
CR-AMC6120L1037	●	12	3.7	12	5.4	12	75	6	

CC-AMC、CA-AMC 系列切削參數

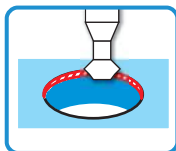
The Cutting Data For CC-AMC、CA-AMC Series

被加工材質：鋼、不鏽鋼、鑄鐵

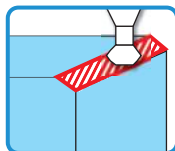
Material : Steel、Stainless steel、Iron cast

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

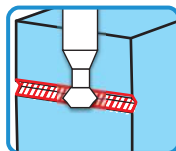
圓孔倒角加工
Large hole chamfering



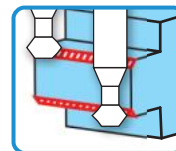
倒角加工
Chamfering



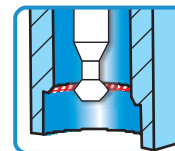
側面倒角加工
Side Chamfering



背面倒角加工
Back Chamfering



側面 V 槽加工
Side V Groove Processing





GMA 2000

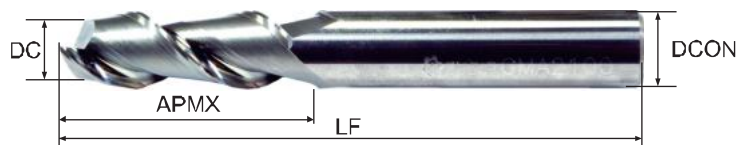
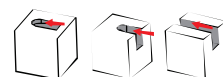
MG

CO
12%M
600

45°

鋁用2刃鎢鋼立銑刀

For Aluminum Alloy 2 Flutes End Mill



產品型號 Model No	在庫 Stock	切削直徑 DC	切削長度 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

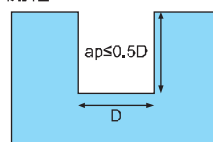
The Cutting Data For GMA 2000 Series

切深量 Depth (D: 刀徑F.D)

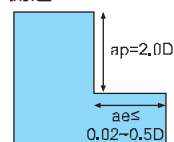
被加工材質: 鋁

Material: Aluminum

開槽 Slotted



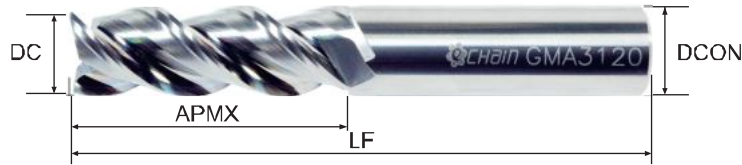
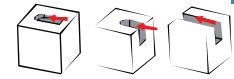
側邊 Side



直徑 (mm) Shank		6	8	10
轉速 n (min)		10500	8000	6400
(mm/min) 進給速度 Vf	開槽 Slotted	900	1000	1100
	側邊 Side	1400	1600	1700

GMA 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	切削長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
GMA3010	●	1	3	4	50	
GMA3015	●	1.5	4.5	4	50	
GMA3020	●	2	6	4	50	
GMA3025	●	2.5	7.5	4	50	
GMA3030	●	3	9	4	50	
GMA3030H	●	3	9	4	100	
GMA3040	●	4	12	4	50	
GMA3040H	●	4	12	4	100	
GMA3040D6	●	4	12	6	50	
GMA3050	●	5	15	6	50	
GMA3050H	●	5	15	6	100	
GMA3060	●	6	18	6	50	
GMA3060H	●	6	18	6	100	
GMA3080	●	8	24	8	60	
GMA3080H	●	8	24	8	100	
GMA3080M	●	8	24	8	150	
GMA3100	●	10	30	10	75	
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	60	20	100	

GMA 3000系列切削參數

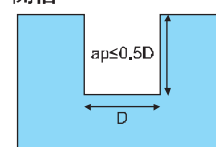
The Cutting Data For GMA 3000 Series

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 Vf	開槽 Slotted	800	900	1000	1100	950	900
	側邊 Side	1200	1400	1600	1700	1500	1300

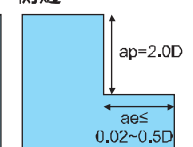
切深量 Depth (D : 刃徑F, D)

被加工材質: 鋁 Material : Aluminum

開槽 Slotted



側邊 Side

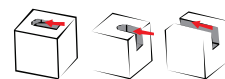


HMA 2000



鋁用2刃鎢鋼立銑刀

For Aluminum Alloy 2 Flutes End Mill



產品型號 Model No	在庫 Stock	切削直徑 DC	切削長度 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	
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	

HMA 2000系列切削參數

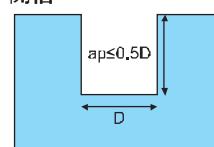
The Cutting Data For GMA 3000 Series

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 Vf	開槽 Slotted	800	900	1000	1100	950	900
	側邊 Side	1200	1400	1600	1700	1500	1300

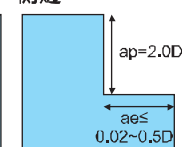
切深量 Depth (D : 刃徑F, D)

被加工材質: 鋁 Material: Aluminum

開槽 Slotted

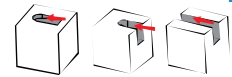
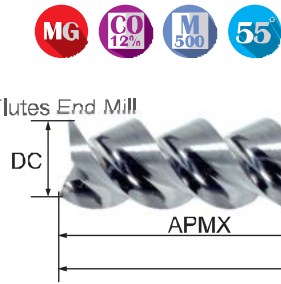


側邊 Side



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	切削長度 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	60	20	100	

HMA 3000系列切削參數

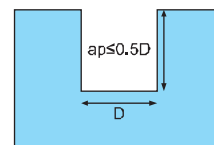
The Cutting Data For HMA 3000 Series

切深量 Depth (D : 刃徑 F.D)

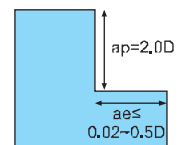
被加工材質：鋁

Material : Aluminum

開槽 Slotted

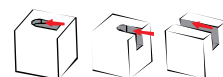


側邊 Side



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	900
	側邊 Side	1200	1400	1600	1700	1500	1300

MU2-GMA 3000



鋁用 3 刃圓溝 2 離隙鎢鋼立銑刀

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-GMA3040	●	4	12	4	50	
MU2-GMA3040D6	●	4	12	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-GMA3100	●	10	30	10	75	
MU2-GMA3100M		10	30	10	150	
MU2-GMA3120	●	12	36	12	75	
MU2-GMA3120H	●	12	36	12	100	
MU2-GMA3120M		12	36	12	150	
MU2-GMA3160	●	16	48	16	100	
MU2-GMA3200	●	20	60	20	100	

MU2-GMA 3000系列切削參數

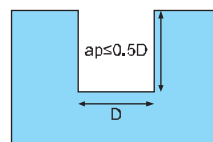
The Cutting Data For MU2-GMA 3000 Series

切深量 Depth (D : 刃徑F.D)

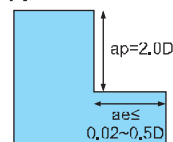
被加工材質：鋁

Material : Aluminum

開槽 Slotted



側邊 Side



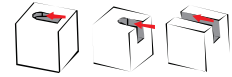
直徑 (mm) Shank	4	6	8	10	12	16	20
轉速 n (min)	15500	10500	8000	6400	5400	3900	3200
(mm/min) 進給速度 Vf	開槽 Slotted	800	900	1000	1100	950	900
	側邊 Side	1200	1400	1600	1700	1500	1300

MU2-HMA 3000



鋁用3刃圓溝2離隙鎢鋼立銑刀

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	切削長度 APMX	柄部直徑 DCON	標準全長 LF	價格 Price
MU2-HMA3040		4	12	4	50	
MU2-HMA3060		6	18	6	50	
MU2-HMA3080		8	24	8	60	
MU2-HMA3100		10	30	10	75	
MU2-HMA3120		12	36	12	75	

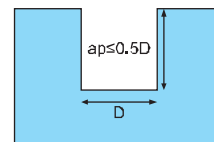
MU2-HMA 3000系列切削參數

The Cutting Data For MU2-HMA 3000 Series

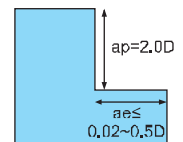
切深量 Depth (D : 刃徑F.D)

被加工材質：鋁 Material : Aluminum

開槽 Slotted



側邊 Side



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

MU3-JMA 3000

MG

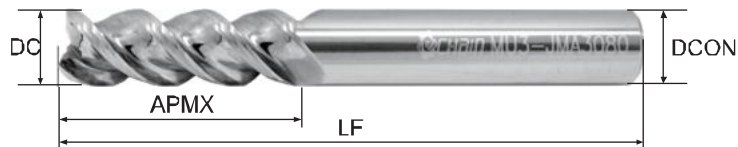
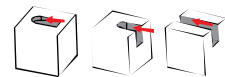
CO
12%

M
500

50°

鋁用 3 刃圓溝 3 離隙立銑刀

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	切削長度 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-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-JMA3200	●	20	60	20	100	

MU3-JMA 3000系列切削參數

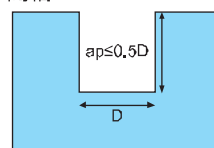
The Cutting Data For MU3-JMA 3000 Series

切深量 Depth (D : 刃徑F.D)

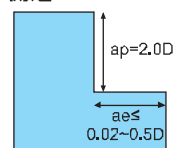
被加工材質：鋁

Material : Aluminum

開槽 Slotted



側邊 Side



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	900
	側邊 Side	1200	1400	1600	1700	1500	1300