德信發企業股份有限公司
DHF Precision Tool Co., Ltd.

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分公司　Branch

Italy / Pordenone
DHF Italia Srl　http://www.dhfitalia.it

Poland / Katowice
DHF Polska Sp z o.o.

Japan / Shibuya
DHF Japan

經銷商　Distributor

Spain / Sondika-Bizkaia
JANA-TOOL, S.L.

Distributor

2025.03

DHF

Design . Honesty . Future

COMMITTED TO EXCELLENCE

品質承諾　追求卓越

德信發於1999年創立，在台灣是個專業鎢鋼刀具的製造商，
專精於生產及研發高速及高硬度切削用鎢鋼銑刀。

我們在製造技術上不斷地測試及研發，提升產品競爭力。
在品質控管上也絕對嚴謹，並做好監控各生產流程的狀態，
堅持秉持高品質、高效率和高客戶滿意度的原則。

DHF is a professional cutting tool supplier established in 1999 located in Taiwan. We are specialized in producing HSC & HHC Solid Carbide End Mills.

We constantly innovate and test our manufacturing techniques to improve our product competitiveness. Also, our quality control and production process are being carefully monitored with strict standard.

Because of DHF's persistence, we can uphold our business principles:
Outstanding quality, high efficiency, and high customer satisfaction.

www.endmill.com.tw /
info@endmill.com.tw

Facebook :
facebook.com/dhfendmill/

Youtube :
youtube.com/user/dhfendmill

設備
EQUIPMENT

我們擁有精密刀具檢測儀器，採用來自瑞士的Rollomatic加工設備、Zoller先進刀具檢測儀，以及德國專業鍍層設備，以確保每一支刀具的品質穩定度。

獨創刀具身分證使生產時的品管責任透明化，讓我們能更快追朔有疑慮的刀具，並有效的掌握每一支刀具的生產和檢測流程。

DHF owns precise end mills measuring instrument, Rollomatic from Switzerland as our major processing equipment, Zoller's advanced endmill detector, and professional coating machine to ensure our quality stability.

The unique tool identification system makes the quality control responsibilities during production more transparent, allowing us to quickly trace any questionable tools and effectively track the production and inspection processes of each tool.

圖示說明
GUIDE LINES TO ICONS

Carbide 鎢鋼種類

MG — 超微粒 Micro grain

Perfect MG

Super MG — 極超微粒 Super micro grain

Grain Size 顆粒大小

0.2 μm — 粉末顆粒是 0.2 μm　Grain size : 0.2 μm

0.4 μm — 粉末顆粒是 0.4 μm　Grain size : 0.4 μm

0.6 μm — 粉末顆粒是 0.6 μm　Grain size : 0.6 μm

Roughing 齒形

Roughing — 大粗齒　Big Roughing

Roughing — 中粗齒　Middle Roughing

Roughing — 細粗齒　Small Roughing

Helix Angle 螺旋角

15° 0° 0° 30° 45° 18°~ 22°

27° 5° 15° 35° 48° 33°~ 37°

20° 15° 20° 37° 50° 35°~ 38°

20° 25° 25° 38° 52° 36°~ 38°

25° 30° 27° 40° 55° 43°~ 47°

Drilling Depth 鑽孔深度

3D — 可加工3倍鑽頭直徑的鑽孔深度
3 X D drilling capacity.

5D — 可加工5倍鑽頭直徑的鑽孔深度
5 X D drilling capacity.

8D — 可加工8倍鑽頭直徑的鑽孔深度
8 X D drilling capacity.

Flute 刃數

2Flutes 2Flutes 2Flutes 3Flutes 3Flutes

4Flutes 4Flutes 4Flutes 5Flutes 6Flutes 6Flutes

End End End Zn Zn

Material Hardness 工件硬度

HRc ▶45　HRc ▶50　HRc ▶52

HRc ▶55　HRc ▶60　HRc ▶62　HRc ▶65

被切削工件硬度可達：HRc45、50、52、55、60、62、65。
Working material hardness is up to HRc45、50、52、55、60、62、65。

Coating 鍍層

G7 — 含碳量高之材料及一般鋼材（濕式、油霧切削）
High carbon material and general steel. (Wet, MQL cutting.)

G10 — 難切削材及一般鋼材。（濕式、油霧切削）
Difficult-to-cut material and general steel. (Wet, MQL cutting.)

G11 — 適用於難切削材料及一般鋼材。（濕式切削）
Good at difficult-to-cut material and all general steel. (Wet cutting.)

G12 — 適用高速、高硬度加工。乾式、油霧、濕式切削。（乾濕兩用）
Good at high speed cutting & high hardness cutting. For Dry cutting, MQL and Wet cutting.

G13 — G12升級。
適用於高速加工，濕式、乾式、油霧切削（乾濕兩用）
Upgraded version of G12 : Good at high speed cutting. For Wet cutting, Dry cutting and MQL cutting.

G15 — 適用於高速、高硬度切削。乾式、油霧切削。
Good at high speed cutting & high hardness cutting. For Dry cutting and MQL cutting.

G17 — 適用於難切削材料，如：鎳基高溫合金、不鏽鋼材。（濕式切削）
Good at difficult-to-cut material. E.g. Inconel 718 and Stainless Steel.(Wet cutting)

G18 — 適用於難切削材料，如：鎳基高溫合金、不鏽鋼材。（濕式切削）
Good at difficult-to-cut material. E.g. Inconel 718 and Stainless Steel.(Wet cutting)

T1 — 適用於各式切削，使用壽命長。
Generally used on all kinds of machining with benefit of long tool life.

T2 — 適用於高速加工。乾式切削。
Good at high speed cutting. For Dry cutting.

Diamond — 石墨、氧化鋯、碳纖維、陶瓷之切削（乾式氣冷切削）
Graphite, Zirconia, carbon fiber and ceramic cutting. (Air dry cutting)

Shank 刀柄

FIT — 適用於熱縮刀柄系統
Suitable for the shrink fit holder system.

Passivation Treatment 鈍化

P POLISH — 刃口經過鈍化　Passivated edge

Shrink Neck 縮頸

適用於深溝加工　Best for long neck machining.

Corner R 圓隅角

R — 圓隅角　Corner radius.

Internal Coolant Hole 內冷孔

中心出水　Coolant through center.

Drill Point 鑽尖

S S Type — 適用於3D曲面切削
Suitable for three-dimensional curved surface cutting.

XR XR Type — 適用各式切削，使用壽命長。
Suitable for all types of cutting.
Long tool life.

Drill Point Angle 鑽頂角

90° — 倒角刀的夾角為90度。
The chamfer cutter has a 90-degree angle.

140° — 鑽頭的頂端角度為140°。
The drill point angle is 140°.

Weldon 側固

特殊設計側固刀柄。
Specially designed Weldon tool holder.

目錄
CONTENT

二代變形鎢鋼立銑刀

EXCHANGEABLE HEAD ENDMILL II

二代變形系列被廣泛應用於航太和汽車工業，抗震刀桿和刀頭的模組化設計，不僅讓配合精度可達+ / - 0.008mm以下，更可降低客戶的刀具成本，刀桿的重複使用也更加環境友善。另外，當刀頭接上最短的刀桿，可如同整體式的銑刀使用，當接上較長刀桿可則做大懸深加工。

It is widely used in aerospace and automotive industries.
Its anti-vibration shank and modular head design ensure precision within ±0.008mm while reducing tooling costs and promoting sustainability through shank reuse.
When attached to a short shank, it functions like an integral end mill; with a longer shank, it enables deep-reach machining.

X-WDEX

FIT SHANK

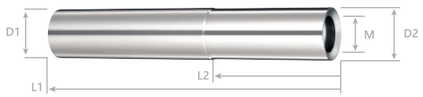
抗震鎢鋼刀桿（內冷孔）
Solid Carbide Shank (Internal Coolant Hole)

型號 Type NO.	柄徑 D1	全長 L1	螺牙 M
X-WDEX-080060	8.0	60	M5-3P
X-WDEX-080075	8.0	75	M5-3P
X-WDEX-080100	8.0	100	M5-3P
X-WDEX-100060	10.0	60	M7-3P
X-WDEX-100075	10.0	75	M7-3P
X-WDEX-100100	10.0	100	M7-3P
X-WDEX-100150	10.0	150	M7-3P
X-WDEX-120060	12.0	60	M8-3P
X-WDEX-120080	12.0	80	M8-3P
X-WDEX-120100	12.0	100	M8-3P
X-WDEX-120150	12.0	150	M8-3P
X-WDEX-160060	16.0	60	M10-3P
X-WDEX-160080	16.0	80	M10-3P
X-WDEX-160100	16.0	100	M10-3P
X-WDEX-160150	16.0	150	M10-3P
X-WDEX-160200	16.0	200	M10-3P
X-WDEX-200060	20.0	60	M12-3P
X-WDEX-200080	20.0	80	M12-3P
X-WDEX-200100	20.0	100	M12-3P
X-WDEX-200150	20.0	150	M12-3P
X-WDEX-200200	20.0	200	M12-3P
X-WDEX-200250	20.0	250	M12-3P
X-WDEX-200300	20.0	300	M12-3P
X-WDEX-250100	25.0	100	M16-3P
X-WDEX-250150	25.0	150	M16-3P
X-WDEX-250200	25.0	200	M16-3P
X-WDEX-250250	25.0	250	M16-3P
X-WDEX-250300	25.0	300	M16-3P
X-WDEX-320100	32.0	100	M20-3P
X-WDEX-320150	32.0	150	M20-3P
X-WDEX-320200	32.0	200	M20-3P
X-WDEX-320250	32.0	250	M20-3P
X-WDEX-320300	32.0	300	M20-3P

X-WHEX

FIT SHANK

抗震鎢鋼刀桿（內冷孔）
Solid Carbide Shank (Internal Coolant Hole)

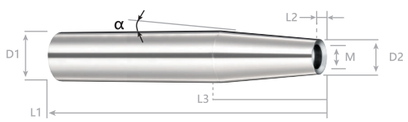


型號 Type NO.	柄徑 D1	頸徑 D2	全長 L1	有效長 L2	螺牙 M
X-WHEX-080060	8.0	7.8	60	15	M5-3P
X-WHEX-080075	8.0	7.8	75	20	M5-3P
X-WHEX-080100	8.0	7.8	100	20	M5-3P
X-WHEX-100060	10.0	9.8	60	15	M7-3P
X-WHEX-100075	10.0	9.8	75	20	M7-3P
X-WHEX-100100	10.0	9.8	100	20	M7-3P
X-WHEX-100150	10.0	9.8	150	40	M7-3P
X-WHEX-120060	12.0	11.7	60	15	M8-3P
X-WHEX-120080	12.0	11.7	80	20	M8-3P
X-WHEX-120100	12.0	11.7	100	60	M8-3P
X-WHEX-120150	12.0	11.7	150	90	M8-3P
X-WHEX-160060	16.0	15.6	60	15	M10-3P
X-WHEX-160080	16.0	15.6	80	30	M10-3P
X-WHEX-160100	16.0	15.6	100	60	M10-3P
X-WHEX-160150	16.0	15.6	150	90	M10-3P
X-WHEX-160200	16.0	15.6	200	120	M10-3P
X-WHEX-200060	20.0	19.5	60	20	M12-3P
X-WHEX-200080	20.0	19.5	80	40	M12-3P
X-WHEX-200100	20.0	19.5	100	60	M12-3P
X-WHEX-200150	20.0	19.5	150	90	M12-3P
X-WHEX-200200	20.0	19.5	200	120	M12-3P
X-WHEX-200250	20.0	19.5	250	150	M12-3P
X-WHEX-200300	20.0	19.5	300	180	M12-3P
X-WHEX-250100	25.0	24.4	100	50	M16-3P
X-WHEX-250150	25.0	24.4	150	90	M16-3P
X-WHEX-250200	25.0	24.4	200	120	M16-3P
X-WHEX-250250	25.0	24.4	250	150	M16-3P
X-WHEX-250300	25.0	24.4	300	180	M16-3P
X-WHEX-320100	32.0	31.2	100	50	M20-3P
X-WHEX-320150	32.0	31.2	150	90	M20-3P
X-WHEX-320200	32.0	31.2	200	120	M20-3P
X-WHEX-320250	32.0	31.2	250	150	M20-3P
X-WHEX-320300	32.0	31.2	300	180	M20-3P

X-WFEX

FIT SHANK

抗震鎢鋼刀桿（內冷孔）
Solid Carbide Shank (Internal Coolant Hole)



型號 Type NO.	柄徑 D1	頸徑 D2	斜角 α	全長 L1	有效長 L2	斜頸長 L3	螺牙 M
X-WFEX-120100	12.0	9.8	1.5	100	2	44	M7-3P
X-WFEX-120150	12.0	9.8	1.0	150	2	65	M7-3P
X-WFEX-160100	16.0	11.7	2.0	100	3	50	M8-3P
X-WFEX-160150	16.0	11.7	1.5	150	3	85	M8-3P
X-WFEX-160200	16.0	11.7	1.0	200	3	126	M8-3P
X-WFEX-200100	20.0	15.6	2.0	100	4	50	M10-3P
X-WFEX-200150	20.0	15.6	1.5	150	4	88	M10-3P
X-WFEX-200200	20.0	15.6	1.0	200	4	130	M10-3P
X-WFEX-250200	25.0	19.5	1.5	200	6	111	M12-3P
X-WFEX-250300	25.0	19.5	1.0	300	6	164	M12-3P
X-WFEX-320300	32.0	24.4	1.5	300	8	153	M16-3P

K

變形刀頭鎖固扳手
Spanner

型號 Type NO.	直徑 D1	標準立銑刀頭 End Mills	螺丸球刀頭 Ball Nose Endmills	螺紋銑刀頭 Thread Milling	板手鎖固扭力值 N.m
K08	8	XT-08	XTs-08	--	6
K10	10	XT-10	XTs-10	--	7
K12	12	XT-12	XTs-12	--	9
K16	16	XT-16	XTs-16	X-TW	10
K20	20	XT-20	XTs-20	X-TW	12
K25	25	XT-25	XTs-25	X-TW	15
K32	32	XT-32	XTs-32	X-TW	20

附註 Note

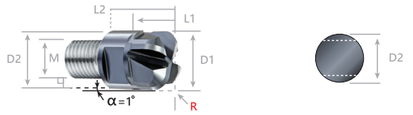
刀桿與刀頭結合時可參考表格之「扭力值」。

When combining shank and head, please refer to the "N.m" value.

X-UOR

Super MG | 0.2 μm | 9° | R | 4 Flutes | HRc ▸65 | G15

直刃圓鼻角立銑刀頭 Corner Radius
End Mills

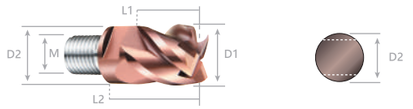


型號 Type NO.	直徑 D1	頸徑 D2	圓鼻角 R	刃長 L1	全長 L2	螺牙 M	鎖固扳手型號 Spanner Type NO.
X-UOR0810	8.0	7.8	1.0	3.5	10.1	M 5-3P	K08
X-UOR0820	8.0	7.8	2.0	3.5	10.1	M 5-3P	K08
X-UOR1010	10.0	9.8	1.0	4.0	11.1	M 7-3P	K10
X-UOR1020	10.0	9.8	2.0	4.0	11.1	M 7-3P	K10
X-UOR1110	11.0	10.7	1.0	4.0	11.1	M 7-3P	K10
X-UOR1120	11.0	10.7	2.0	4.0	11.1	M 7-3P	K10
X-UOR1220	12.0	11.7	2.0	5.0	13.8	M 8-3P	K12
X-UOR1230	12.0	11.7	3.0	5.0	13.8	M 8-3P	K12
X-UOR1320	13.0	12.7	2.0	5.0	13.8	M 8-3P	K12
X-UOR1330	13.0	12.7	3.0	5.0	13.8	M 8-3P	K12
X-UOR1620	16.0	15.6	2.0	6.5	14.7	M10-3P	K16
X-UOR1630	16.0	15.6	3.0	6.5	14.7	M10-3P	K16
X-UOR1640	16.0	15.6	4.0	6.5	14.7	M10-3P	K16
X-UOR1720	17.0	16.6	2.0	6.5	14.7	M10-3P	K16
X-UOR1730	17.0	16.6	3.0	6.5	14.7	M10-3P	K16
X-UOR1740	17.0	16.6	4.0	6.5	14.7	M10-3P	K16
X-UOR2030	20.0	19.5	3.0	8.0	18.1	M12-3P	K20
X-UOR2050	20.0	19.5	5.0	8.0	18.1	M12-3P	K20

X-UET

Super MG | 0.4 μm | 45° | 4 Flutes | HRc ▸60 | G12

極超微粒立銑刀頭
End Mills

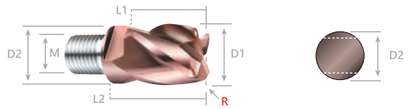


型號 Type NO.	直徑 D1	頸徑 D2	刃長 L1	全長 L2	螺牙 M	鎖固扳手型號 Spanner Type NO.
X-UET0804	8.0	7.8	8	12.1	M5-3P	K08
X-UET1004	10.0	9.8	10	16.1	M7-3P	K10
X-UET1204	12.0	11.7	12	20.3	M8-3P	K12
X-UET1604	16.0	15.6	16	25.7	M10-3P	K16
X-UET2004	20.0	19.5	20	31.1	M12-3P	K20
X-UET2504	25.0	24.4	25	39.3	M16-3P	K25
X-UET3204	32.0	31.2	32	48.0	M20-3P	K32

X-UXR

Super MG | 0.4 μm | 35° | R | 4 Flutes | HRc ▸60 | G12

圓鼻角立銑刀頭 Corner Radius
End Mills

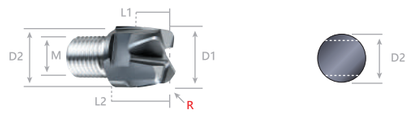


型號 Type NO.	直徑 D1	頸徑 D2	圓鼻角 R	刃長 L1	全長 L2	螺牙 M	鎖固扳手型號 Spanner Type NO.
X-UXR0803	8.0	7.8	0.3	8	12.1	M5-3P	K08
X-UXR0805	8.0	7.8	0.5	8	12.1	M5-3P	K08
X-UXR0810	8.0	7.8	1.0	8	12.1	M5-3P	K08
X-UXR1005	10.0	9.8	0.5	10	16.1	M7-3P	K10
X-UXR1010	10.0	9.8	1.0	10	16.1	M7-3P	K10
X-UXR1205	12.0	11.7	0.5	12	20.3	M8-3P	K12
X-UXR1210	12.0	11.7	1.0	12	20.3	M8-3P	K12
X-UXR1605	16.0	15.6	0.5	16	25.7	M10-3P	K16
X-UXR1610	16.0	15.6	1.0	16	25.7	M10-3P	K16
X-UXR1620	16.0	15.6	2.0	16	25.7	M10-3P	K16
X-UXR2010	20.0	19.5	1.0	20	31.1	M12-3P	K20
X-UXR2020	20.0	19.5	2.0	20	31.1	M12-3P	K20
X-UXR2030	20.0	19.5	3.0	20	31.1	M12-3P	K20
X-UXR2530	25.0	24.4	3.0	25	39.3	M16-3P	K25
X-UXR2550	25.0	24.4	5.0	25	39.3	M16-3P	K25

X-UEYR

Super MG | 0.2 μm | -30° | R | 4 Flutes | HRc ▸65 | G15

直刃圓鼻角立銑刀頭 Corner Radius
End Mills

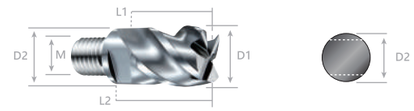


型號 Type NO.	直徑 D1	頸徑 D2	圓鼻角 R	刃長 L1	全長 L2	螺牙 M	鎖固扳手型號 Spanner Type NO.
X-UEYR0810	8.0	7.8	1.0	3.5	10.1	M 5-3P	K08
X-UEYR0820	8.0	7.8	2.0	3.5	10.1	M 5-3P	K08
X-UEYR1010	10.0	9.8	1.0	4.0	11.1	M 7-3P	K10
X-UEYR1020	10.0	9.8	2.0	4.0	11.1	M 7-3P	K10
X-UEYR1220	12.0	11.7	2.0	5.0	13.8	M 8-3P	K12
X-UEYR1230	12.0	11.7	3.0	5.0	13.8	M 8-3P	K12
X-UEYR1620	16.0	15.6	2.0	6.5	14.7	M10-3P	K16
X-UEYR1630	16.0	15.6	3.0	6.5	14.7	M10-3P	K16
X-UEYR1640	16.0	15.6	4.0	6.5	14.7	M10-3P	K16
X-UEYR2030	20.0	19.5	3.0	8.0	18.1	M12-3P	K20
X-UEYR2050	20.0	19.5	5.0	8.0	18.1	M12-3P	K20

X-UEX

Super MG | 0.2 μm | 45° | 4 Flutes | HRc ▸65 | G15

無敵高效能立銑刀頭 High Hardened
End Mills

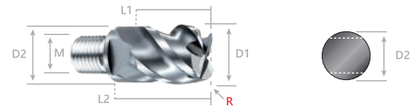


型號 Type NO.	直徑 D1	頸徑 D2	刃長 L1	全長 L2	螺牙 M	鎖固扳手型號 Spanner Type NO.
X-UEX0804	8.0	7.8	8	12.1	M5-3P	K08
X-UEX1004	10.0	9.8	10	16.1	M7-3P	K10
X-UEX1204	12.0	11.7	12	20.3	M8-3P	K12
X-UEX1604	16.0	15.6	16	25.7	M10-3P	K16
X-UEX2004	20.0	19.5	20	31.1	M12-3P	K20
X-UEX2504	25.0	24.4	25	39.3	M16-3P	K25
X-UEX3204	32.0	31.2	32	48.0	M20-3P	K32

X-UEXR

Super MG | 0.2 μm | 45° | R | 4 Flutes | HRc ▸65 | G15

無敵高效能立銑刀頭 High Hardened
End Mills

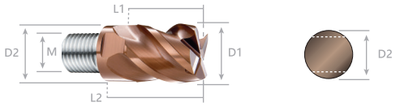


型號 Type NO.	直徑 D1	頸徑 D2	圓鼻角 R	刃長 L1	全長 L2	螺牙 M	鎖固扳手型號 Spanner Type NO.
X-UEXR0803	8.0	7.8	0.3	8	12.1	M5-3P	K08
X-UEXR0805	8.0	7.8	0.5	8	12.1	M5-3P	K08
X-UEXR0810	8.0	7.8	1.0	8	12.1	M5-3P	K08
X-UEXR1005	10.0	9.8	0.5	10	16.1	M7-3P	K10
X-UEXR1010	10.0	9.8	1.0	10	16.1	M7-3P	K10
X-UEXR1205	12.0	11.7	0.5	12	20.3	M8-3P	K12
X-UEXR1210	12.0	11.7	1.0	12	20.3	M8-3P	K12
X-UEXR1220	12.0	11.7	2.0	12	20.3	M8-3P	K12
X-UEXR1610	16.0	15.6	1.0	16	25.7	M10-3P	K16
X-UEXR1620	16.0	15.6	2.0	16	25.7	M10-3P	K16
X-UEXR1630	16.0	15.6	3.0	16	25.7	M10-3P	K16
X-UEXR2010	20.0	19.5	1.0	20	31.1	M12-3P	K20
X-UEXR2020	20.0	19.5	2.0	20	31.1	M12-3P	K20
X-UEXR2030	20.0	19.5	3.0	20	31.1	M12-3P	K20
X-UEXR2510	25.0	24.4	1.0	25	39.3	M16-3P	K25
X-UEXR2530	25.0	24.4	3.0	25	39.3	M16-3P	K25
X-UEXR2550	25.0	24.4	5.0	25	39.3	M16-3P	K25
X-UEXR3230	32.0	31.2	3.0	32	48.0	M20-3P	K32
X-UEXR3250	32.0	31.2	5.0	32	48.0	M20-3P	K32

X-UPS

Super MG | 0.4 μm | 45° | 4 Flutes | HRc ▸60 | G10

無敵高效能立銑刀頭 End Mills | Heavy Duty

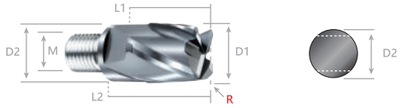


型號 Type NO.	直徑 D1	頸徑 D2	刃長 L1	全長 L2	螺牙 M	鎢固扳手型號 Spanner Type NO.
X-UPS0804	8.0	7.8	8	12.1	M5-3P	K08
X-UPS1004	10.0	9.8	10	16.1	M7-3P	K10
X-UPS1204	12.0	11.7	12	20.3	M8-3P	K12
X-UPS1604	16.0	15.6	16	25.7	M10-3P	K16
X-UPS2004	20.0	19.5	20	31.1	M12-3P	K20
X-UPS2504	25.0	24.4	25	39.3	M16-3P	K25
X-UPS3204	32.0	31.2	32	48.0	M20-3P	K32

X-UPR

Super MG | 0.2 μm | 25° | R | 4 Flutes | HRc ▸65 | G15

高硬度用圓鼻角立銑刀頭 End Mills | Corner Radius

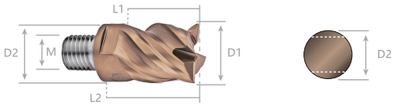


型號 Type NO.	直徑 D1	頸徑 D2	圓鼻角 R	刃長 L1	全長 L2	螺牙 M	鎢固扳手型號 Spanner Type NO.
X-UPR0805	8.0	7.8	0.5	8	12.1	M5-3P	K08
X-UPR0810	8.0	7.8	1.0	8	12.1	M5-3P	K08
X-UPR1005	10.0	9.8	0.5	10	16.1	M7-3P	K10
X-UPR1010	10.0	9.8	1.0	10	16.1	M7-3P	K10
X-UPR1210	12.0	11.7	1.0	12	20.3	M8-3P	K12
X-UPR1220	12.0	11.7	2.0	12	20.3	M8-3P	K12
X-UPR1610	16.0	15.6	1.0	16	25.7	M10-3P	K16
X-UPR1620	16.0	15.6	2.0	16	25.7	M10-3P	K16
X-UPR1630	16.0	15.6	3.0	16	25.7	M10-3P	K16
X-UPR2010	20.0	19.5	1.0	20	31.1	M12-3P	K20
X-UPR2020	20.0	19.5	2.0	20	31.1	M12-3P	K20
X-UPR2030	20.0	19.5	3.0	20	31.1	M12-3P	K20
X-UPR2050	20.0	19.5	5.0	20	31.1	M12-3P	K20
X-UPR2510	25.0	24.4	1.0	25	39.3	M16-3P	K25
X-UPR2520	25.0	24.4	2.0	25	39.3	M16-3P	K25
X-UPR2530	25.0	24.4	3.0	25	39.3	M16-3P	K25
X-UPR2550	25.0	24.4	5.0	25	39.3	M16-3P	K25
X-UPR3210	32.0	31.2	1.0	32	48.0	M20-3P	K32
X-UPR3230	32.0	31.2	3.0	32	48.0	M20-3P	K32
X-UPR3250	32.0	31.2	5.0	32	48.0	M20-3P	K32

X-UPZ

Super MG | 0.4 μm | 45° | 4 Flutes | HRc ▸60 | G10

無敵高效能立銑刀頭 End Mills | Heavy Duty

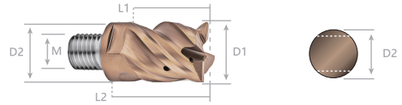


型號 Type NO.	直徑 D1	頸徑 D2	刃長 L1	全長 L2	螺牙 M	鎢固扳手型號 Spanner Type NO.
X-UPZ0804	8.0	7.8	8	12.1	M5-3P	K08
X-UPZ1004	10.0	9.8	10	16.1	M7-3P	K10
X-UPZ1204	12.0	11.7	12	20.3	M8-3P	K12
X-UPZ1604	16.0	15.6	16	25.7	M10-3P	K16
X-UPZ2004	20.0	19.5	20	31.1	M12-3P	K20

X-UPZO

Super MG | 0.4 μm | 45° | 4 Flutes | HRc ▸60 | G10 | Internal Coolant Hole

無敵高效能立銑刀頭(內冷孔) End Mills | Internal Coolant Hole

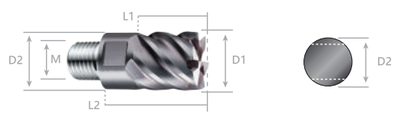


型號 Type NO.	直徑 D1	頸徑 D2	刃長 L1	全長 L2	螺牙 M	鎢固扳手型號 Spanner Type NO.
X-UPZO0804	8.0	7.8	8	12.1	M5-3P	K08
X-UPZO1004	10.0	9.8	10	16.1	M7-3P	K10
X-UPZO1204	12.0	11.7	12	20.3	M8-3P	K12
X-UPZO1604	16.0	15.6	16	25.7	M10-3P	K16
X-UPZO2004	20.0	19.5	20	31.1	M12-3P	K20

X-UVT

Super MG | 0.2 μm | 45° | 6 Flutes | HRc ▸65 | G15

高硬度用立銑刀頭 End Mills | High Hardened

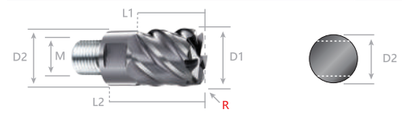


型號 Type NO.	直徑 D1	頸徑 D2	刃長 L1	全長 L2	螺牙 M	鎢固扳手型號 Spanner Type NO.
X-UVT0806	8.0	7.8	8	12.1	M5-3P	K08
X-UVT1006	10.0	9.8	10	16.1	M7-3P	K10
X-UVT1206	12.0	11.7	12	20.3	M8-3P	K12
X-UVT1606	16.0	15.6	16	25.7	M10-3P	K16
X-UVT2006	20.0	19.5	20	31.1	M12-3P	K20
X-UVT2506	25.0	24.4	25	39.3	M16-3P	K25
X-UVT3206	32.0	31.2	32	48.0	M20-3P	K32

X-UVTR

Super MG | 0.2 μm | 45° | R | 6 Flutes | HRc ▸65 | G15

高硬度圓鼻立銑刀頭 End Mills | High Hardened

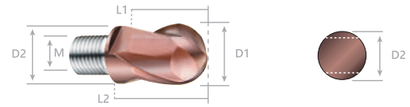


型號 Type NO.	直徑 D1	頸徑 D2	圓鼻角 R	刃長 L1	全長 L2	螺牙 M	鎢固扳手型號 Spanner Type NO.
X-UVTR0805	8.0	7.8	0.5	8	12.1	M5-3P	K08
X-UVTR0810	8.0	7.8	1.0	8	12.1	M5-3P	K08
X-UVTR1005	10.0	9.8	0.5	10	16.1	M7-3P	K10
X-UVTR1010	10.0	9.8	1.0	10	16.1	M7-3P	K10
X-UVTR1205	12.0	11.7	0.5	12	20.3	M8-3P	K12
X-UVTR1210	12.0	11.7	1.0	12	20.3	M8-3P	K12
X-UVTR1605	16.0	15.6	0.5	16	25.7	M10-3P	K16
X-UVTR1610	16.0	15.6	1.0	16	25.7	M10-3P	K16
X-UVTR1620	16.0	15.6	2.0	16	25.7	M10-3P	K16
X-UVTR2010	20.0	19.5	1.0	20	31.1	M12-3P	K20
X-UVTR2020	20.0	19.5	2.0	20	31.1	M12-3P	K20
X-UVTR2030	20.0	19.5	3.0	20	31.1	M12-3P	K20
X-UVTR2530	25.0	24.4	3.0	25	39.3	M16-3P	K25
X-UVTR2550	25.0	24.4	5.0	25	39.3	M16-3P	K25

X-UB 2T

Super MG | 0.4 μm | 30° | 2 Flutes | HRc ▸62 | G12 | S Type

極超微粒圓頭立銑刀頭 Ball Nose End Mills

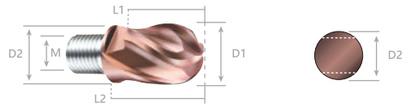


型號 Type NO.	直徑 D1	頸徑 D2	刃長 L1	全長 L2	螺牙 M	鎢固扳手型號 Spanner Type NO.
X-UB0802	R4.0	7.8	8	12.1	M5-3P	K08
X-UB1002	R5.0	9.8	10	16.1	M7-3P	K10
X-UB1202	R6.0	11.7	12	20.3	M8-3P	K12
X-UB1602	R8.0	15.6	16	25.7	M10-3P	K16
X-UB2002	R10.0	19.5	20	31.1	M12-3P	K20
X-UB2502	R12.5	24.4	25	39.3	M16-3P	K25
X-UB3202	R16.0	31.2	32	48.0	M20-3P	K32

X-UB 4T

Super MG | 0.4 μm | 30° | 4 Flutes | HRc ▸62 | G12 | S Type

極超微粒圓頭立銑刀頭 Ball Nose End Mills

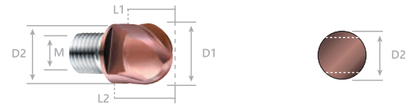


型號 Type NO.	直徑 D1	頸徑 D2	刃長 L1	全長 L2	螺牙 M	鎢固扳手型號 Spanner Type NO.
X-UB0804	R4.0	7.8	8	12.1	M5-3P	K08
X-UB1004	R5.0	9.8	10	16.1	M7-3P	K10
X-UB1204	R6.0	11.7	12	20.3	M8-3P	K12
X-UB1604	R8.0	15.6	16	25.7	M10-3P	K16
X-UB2004	R10.0	19.5	20	31.1	M12-3P	K20
X-UB2504	R12.5	24.4	25	39.3	M16-3P	K25
X-UB3204	R16.0	31.2	32	48.0	M20-3P	K32

Xs-UB

Super MG | 0.4 μm | 2 Flutes | HRc ▸62 | G12 | S Type

爆丸球刀頭 Ball Nose End Mills

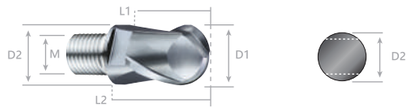


型號 Type NO.	直徑 D1	頸徑 D2	刃長 L1	全長 L2	螺牙 M	鎢固扳手型號 Spanner Type NO.
Xs-UB0802	R4.0	7.8	6	10.1	M5-3P	K08
Xs-UB1002	R5.0	9.8	7	11.1	M7-3P	K10
Xs-UB1202	R6.0	11.7	9	13.8	M8-3P	K12
Xs-UB1602	R8.0	15.6	10	14.7	M10-3P	K16
Xs-UB2002	R10.0	19.5	12	18.1	M12-3P	K20
Xs-UB2502	R12.5	24.4	16	22.3	M16-3P	K25

X-UBT 2T

Super MG | 0.2 μm | 30° | 2 Flutes | HRc ▸65 | G15

高硬度用圓頭立銑刀頭 Ball Nose End Mills | High Hardened

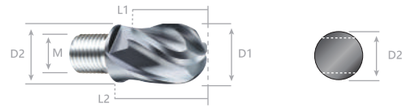


型號 Type NO.	直徑 D1	頸徑 D2	刃長 L1	全長 L2	螺牙 M	鎢固扳手型號 Spanner Type NO.
X-UBT0802	R4.0	7.8	8	12.1	M5-3P	K08
X-UBT1002	R5.0	9.8	10	16.1	M7-3P	K10
X-UBT1202	R6.0	11.7	12	20.3	M8-3P	K12
X-UBT1602	R8.0	15.6	16	25.7	M10-3P	K16
X-UBT2002	R10.0	19.5	20	31.1	M12-3P	K20
X-UBT2502	R12.5	24.4	25	39.3	M16-3P	K25

X-UBT 4T

Super MG | 0.2 μm | 30° | 4 Flutes | HRc ▸65 | G15

高硬度用圓頭立銑刀頭 Ball Nose End Mills | High Hardened

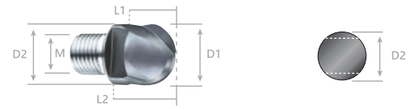


型號 Type NO.	直徑 D1	頸徑 D2	刃長 L1	全長 L2	螺牙 M	鎢固扳手型號 Spanner Type NO.
X-UBT0804	R4.0	7.8	8	12.1	M5-3P	K08
X-UBT1004	R5.0	9.8	10	16.1	M7-3P	K10
X-UBT1204	R6.0	11.7	12	20.3	M8-3P	K12
X-UBT1604	R8.0	15.6	16	25.7	M10-3P	K16
X-UBT2004	R10.0	19.5	20	31.1	M12-3P	K20
X-UBT2504	R12.5	24.4	25	39.3	M16-3P	K25

Xs-UBT

Super MG | 0.2 μm | 2 Flutes | HRc ▸65 | G15

爆丸球刀頭 Ball Nose End Mills | High Hardened

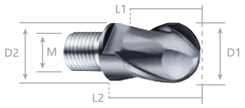


型號 Type NO.	直徑 D1	頸徑 D2	刃長 L1	全長 L2	螺牙 M	鎢固扳手型號 Spanner Type NO.
Xs-UBT0802	R4.0	7.8	6	10.1	M5-3P	K08
Xs-UBT1002	R5.0	9.8	7	11.1	M7-3P	K10
Xs-UBT1202	R6.0	11.7	9	13.8	M8-3P	K12
Xs-UBT1602	R8.0	15.6	10	14.7	M10-3P	K16
Xs-UBT2002	R10.0	19.5	12	18.1	M12-3P	K20
Xs-UBT2502	R12.5	24.4	16	22.3	M16-3P	K25

X-BTB 2T

MG | 0.6 μm | 30° | 2Flutes | HRc ▸55 | T2

超微粒圓頭立銑刀頭
Ball Nose End Mills

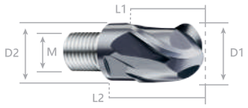


型號 Type NO.	直徑 D1	頸徑 D2	刃長 L1	全長 L2	螺牙 M	鎖固扳手型號 Spanner Type NO.
X-BTB0802	R4.0	7.8	8	12.1	M5-3P	K08
X-BTB1002	R5.0	9.8	10	16.1	M7-3P	K10
X-BTB1202	R6.0	11.7	12	20.3	M8-3P	K12
X-BTB1602	R8.0	15.6	16	25.7	M10-3P	K16
X-BTB2002	R10.0	19.5	20	31.1	M12-3P	K20
X-BTB2502	R12.5	24.4	25	39.3	M16-3P	K25
X-BTB3202	R16.0	31.2	32	48.0	M20-3P	K32

X-BTB 3T

MG | 0.6 μm | 30° | 3Flutes | HRc ▸55 | T2

超微粒圓頭立銑刀頭
Ball Nose End Mills

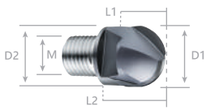


型號 Type NO.	直徑 D1	頸徑 D2	刃長 L1	全長 L2	螺牙 M	鎖固扳手型號 Spanner Type NO.
X-BTB0803	R4.0	7.8	8	12.1	M5-3P	K08
X-BTB1003	R5.0	9.8	10	16.1	M7-3P	K10
X-BTB1203	R6.0	11.7	12	20.3	M8-3P	K12
X-BTB1603	R8.0	15.6	16	25.7	M10-3P	K16
X-BTB2003	R10.0	19.5	20	31.1	M12-3P	K20
X-BTB2503	R12.5	24.4	25	39.3	M16-3P	K25
X-BTB3203	R16.0	31.2	32	48.0	M20-3P	K32

Xs-BTB

MG | 0.6 μm | 2Flutes | HRc ▸55 | T2

爆丸球刀頭
Ball Nose End Mills

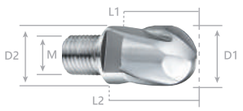


型號 Type NO.	直徑 D1	頸徑 D2	刃長 L1	全長 L2	螺牙 M	鎖固扳手型號 Spanner Type NO.
Xs-BTB0802	R4.0	7.8	6	10.1	M5-3P	K08
Xs-BTB1002	R5.0	9.8	7	11.1	M7-3P	K10
Xs-BTB1202	R6.0	11.7	9	13.8	M8-3P	K12
Xs-BTB1602	R8.0	15.6	10	14.7	M10-3P	K16
Xs-BTB2002	R10.0	19.5	12	18.1	M12-3P	K20
Xs-BTB2502	R12.5	24.4	16	22.3	M16-3P	K25

X-BTC

MG | 0.6 μm | 25° | 2Flutes

鋼鋁用圓頭立銑刀頭
Ball Nose End Mills

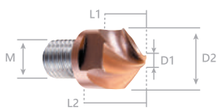


型號 Type NO.	直徑 D1	頸徑 D2	刃長 L1	全長 L2	螺牙 M	鎖固扳手型號 Spanner Type NO.
X-BTC0802	R4.0	7.8	8	12.1	M5-3P	K08
X-BTC1002	R5.0	9.8	10	16.1	M7-3P	K10
X-BTC1202	R6.0	11.7	12	20.3	M8-3P	K12
X-BTC1602	R8.0	15.6	16	25.7	M10-3P	K16
X-BTC2002	R10.0	19.5	20	31.1	M12-3P	K20
X-BTC2502	R12.5	24.4	25	39.3	M16-3P	K25
X-BTC3202	R16.0	31.2	32	48.0	M20-3P	K32

X-TS

Super MG | 0.4 μm | 3Flutes | 90° | HRc ▸60 | G10

螺旋刃倒角刀頭
Spiral Flute Chamfering

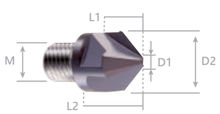


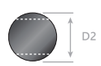
型號 Type NO.	前端徑 D1	柄徑 D2	刃長 L1	全長 L2	配合刀桿 Recommended Carbide Shank	鎖固扳手型號 Spanner Type NO.
X-TS0803	1.0	8	3.5	10.1	X-WDEX080-	K08
X-TS1003	2.0	10	4.0	11.1	X-WDEX100-	K10
X-TS1203	2.0	12	5.0	13.8	X-WDEX120-	K12
X-TS1603	3.0	16	6.5	14.7	X-WDEX160-	K16
X-TS2003	5.0	20	7.5	18.1	X-WDEX200-	K20

X-TD

Super MG | 0.4 μm | 3Flutes | 90° | HRc ▸60 | T1

直刃倒角刀頭
Straight Flute Chamfering



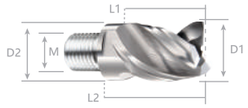


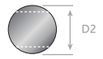
型號 Type NO.	前端徑 D1	柄徑 D2	刃長 L1	全長 L2	配合刀桿 Recommended Carbide Shank	鎖固扳手型號 Spanner Type NO.
X-TD0803	1.0	8	3.5	10.1	X-WDEX080-	K08
X-TD1003	2.0	10	4.0	11.1	X-WDEX100-	K10
X-TD1203	2.0	12	5.0	13.8	X-WDEX120-	K12
X-TD1603	3.0	16	6.5	14.7	X-WDEX160-	K16
X-TD2003	5.0	20	7.5	18.1	X-WDEX200-	K20

X-AES

Super MG | 0.4 μm | 40° | 3Flutes

高效能鋁用立銑刀頭
End Mills



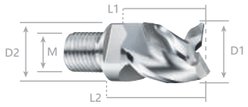


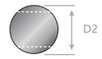
型號 Type NO.	直徑 D1	頸徑 D2	刃長 L1	全長 L2	螺牙 M	鎖固扳手型號 Spanner Type NO.
X-AES0803	8.0	7.8	8	12.1	M5-3P	K08
X-AES1003	10.0	9.8	10	16.1	M7-3P	K10
X-AES1203	12.0	11.7	12	20.3	M8-3P	K12
X-AES1603	16.0	15.6	16	25.7	M10-3P	K16
X-AES2003	20.0	19.5	20	31.1	M12-3P	K20
X-AES2503	25.0	24.4	25	39.3	M16-3P	K25
X-AES3203	32.0	31.2	32	48.0	M20-3P	K32

X-AEW

MG | 0.6 μm | Roughing | 45° | 3Flutes

彩虹立銑刀頭 Roughing
End Mills



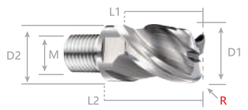


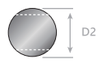
型號 Type NO.	直徑 D1	頸徑 D2	刃長 L1	全長 L2	螺牙 M	鎖固扳手型號 Spanner Type NO.
X-AEW0803	8.0	7.8	8	12.1	M5-3P	K08
X-AEW1003	10.0	9.8	10	16.1	M7-3P	K10
X-AEW1203	12.0	11.7	12	20.3	M8-3P	K12
X-AEW1603	16.0	15.6	16	25.7	M10-3P	K16
X-AEW2003	20.0	19.5	20	31.1	M12-3P	K20
X-AEW2503	25.0	24.4	25	39.3	M16-3P	K25
X-AEW3203	32.0	31.2	32	48.0	M20-3P	K32

X-AESR

Super MG | 0.4 μm | 40° | R | 3Flutes

高效能鋁用立銑刀頭 Corner Radius
End Mills



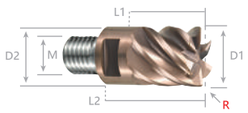


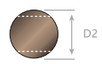
型號 Type NO.	直徑 D1	頸徑 D2	圓鼻角 R	刃長 L1	全長 L2	螺牙 M	鎖固扳手型號 Spanner Type NO.
X-AESR0805	8.0	7.8	0.5	8	12.1	M5-3P	K08
X-AESR0810	8.0	7.8	1.0	8	12.1	M5-3P	K08
X-AESR1005	10.0	9.8	0.5	10	16.1	M7-3P	K10
X-AESR1010	10.0	9.8	1.0	10	16.1	M7-3P	K10
X-AESR1205	12.0	11.7	0.5	12	20.3	M8-3P	K12
X-AESR1210	12.0	11.7	1.0	12	20.3	M8-3P	K12
X-AESR1605	16.0	15.6	0.5	16	25.7	M10-3P	K16
X-AESR1610	16.0	15.6	1.0	16	25.7	M10-3P	K16
X-AESR1630	16.0	15.6	3.0	16	25.7	M10-3P	K16
X-AESR2005	20.0	19.5	0.5	20	31.1	M12-3P	K20
X-AESR2010	20.0	19.5	1.0	20	31.1	M12-3P	K20
X-AESR2030	20.0	19.5	3.0	20	31.1	M12-3P	K20
X-AESR2530	25.0	24.4	3.0	25	39.3	M16-3P	K25
X-AESR3230	32.0	31.2	3.0	32	48.0	M20-3P	K32
X-AESR3250	32.0	31.2	5.0	32	48.0	M20-3P	K32

X-VRI

MG | 0.6 μm | 45° | R | 6Flutes | HRc ▸60 | G10

圓鼻角立銑刀頭
End Mills





型號 Type NO.	直徑 D1	頸徑 D2	圓鼻角 R	刃長 L1	全長 L2	螺牙 M	鎖固扳手型號 Spanner Type NO.
X-VRI0805	8.0	7.8	0.5	8	12.1	M5-3P	K08
X-VRI0810	8.0	7.8	1.0	8	12.1	M5-3P	K08
X-VRI1005	10.0	9.8	0.5	10	16.1	M7-3P	K10
X-VRI1010	10.0	9.8	1.0	10	16.1	M7-3P	K10
X-VRI1205	12.0	11.7	0.5	12	20.3	M8-3P	K12
X-VRI1210	12.0	11.7	1.0	12	20.3	M8-3P	K12
X-VRI1215	12.0	11.7	1.5	12	20.3	M8-3P	K12
X-VRI1605	16.0	15.6	0.5	16	25.7	M10-3P	K16
X-VRI1610	16.0	15.6	1.0	16	25.7	M10-3P	K16
X-VRI1620	16.0	15.6	2.0	16	25.7	M10-3P	K16
X-VRI2010	20.0	19.5	1.0	20	31.1	M12-3P	K20
X-VRI2020	20.0	19.5	2.0	20	31.1	M12-3P	K20
X-VRI2030	20.0	19.5	3.0	20	31.1	M12-3P	K20

高速、高硬度切削

HSC & HHC SERIES

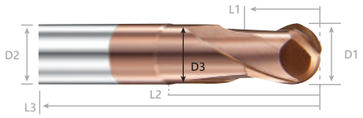
適用於高硬度材料以及高速加工。
系列中的G13新鍍層適用於HRC48以下的模具鋼材料及一般鋼材的高速加工，且改善了長時間模具3D曲面加工的刀具耐磨性及精度需求，延長刀具壽命。另外G15鍍層也提升了HRC48~65高硬度材料的切削表現，不僅切削效率高，刀具壽命也更長。

It is commonly used in high-hard and high-speed machining.
The new G13 coating is suitable for side milling general and die steels with hardness level smaller than HRc48. It also fulfills the needs for 3-dimential surface milling, abrasion resistance extension, and high precision. Moreover, the G15 coating improves the milling performance for high-hard materials (HRc48~65). It not only increases the efficiency, but extends its tool life.

UQB

Super MG | 0.2 μm | 30° | 2 Flutes | HRc ▸65 | G12

極超微粒短刃圓頭立銑刀
Ball Nose End Mills

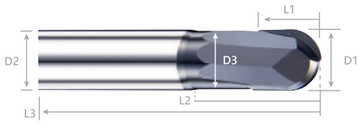


型號 Type NO.	直徑 D1	柄徑 D2	頸徑 D3	刃長 L1	有效長 L2	全長 L3
UQB0102	R0.5	4	0.95	1	2.5	50
UQB0152	R0.75	4	1.45	1	3	50
UQB0202	R1.0	4	1.92	1.5	5	50
UQB0302S	R1.5	4	2.9	2	8	50
UQB0302	R1.5	6	2.9	2	8	50
UQB0402S	R2.0	4	3.9	4	10	50
UQB0402	R2.0	6	3.9	4	10	50
UQB0502	R2.5	6	4.8	5	13	50
UQB0602	R3.0	6	5.8	6	15	50
UQB0802	R4.0	8	7.7	8	20	60
UQB1002	R5.0	10	9.6	10	25	75
UQB1202	R6.0	12	11.5	12	30	75

UOB

Super MG | 0.2 μm | 5° | 2 Flutes | HRc ▸65 | G15

極超微粒直刃圓頭立銑刀
Ball Nose End Mills

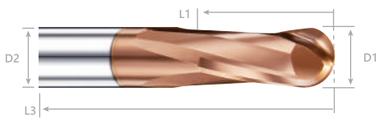


型號 Type NO.	直徑 D1	柄徑 D2	頸徑 D3	刃長 L1	有效長 L2	全長 L3
UOB0102	R0.5	4	0.95	1	3	50
UOB0152	R0.75	4	1.44	2	5	50
UOB0202	R1.0	6	1.92	3	6	50
UOB0302S	R1.5	4	2.9	4	8	50
UOB0302	R1.5	6	2.9	4	8	50
UOB0302L	R1.5	6	2.9	4	8	75
UOB0402S	R2.0	4	3.9	5	10	50
UOB0402	R2.0	6	3.9	5	10	50
UOB0402L	R2.0	6	3.9	5	10	75
UOB0602	R3.0	6	5.8	6	12	50
UOB0602M	R3.0	6	5.8	6	12	75
UOB0602L	R3.0	6	5.8	6	16	100
UOB0802	R4.0	8	7.7	8	16	60
UOB0802L	R4.0	8	7.7	8	25	100
UOB1002	R5.0	10	9.6	10	20	75
UOB1002L	R5.0	10	9.6	10	30	100

UBG

Super MG | 0.2 μm | 15° | 2 Flutes | HRc ▸60 | G12

極超微粒圓頭立銑刀
Ball Nose End Mills

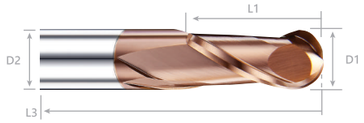


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
UBG0102	R0.5	4	2	50
UBG0152	R0.75	4	3	50
UBG0202	R1.0	4	4	50
UBG0302	R1.5	4	6	50
UBG0402	R2.0	4	8	50
UBG0502	R2.5	6	10	50
UBG0602	R3.0	6	12	50
UBG0802	R4.0	8	16	60
UBG1002	R5.0	10	20	75
UBG1202	R6.0	12	24	75
UBG1602	R8.0	16	32	100

UB

Super MG | 0.4 μm | 30° | 2 Flutes | HRc ▸60 | G13 | S Type

極超微粒圓頭立銑刀
Ball Nose End Mills

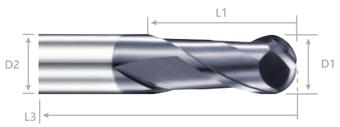


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
UB0102	R0.5	4	2	50
UB0152	R0.75	4	3	50
UB0202	R1.0	6	4	50
UB0202S	R1.0	4	4	50
UB0302	R1.5	6	6	50
UB0302S	R1.5	4	6	50
UB0402	R2.0	6	8	50
UB0402S	R2.0	4	8	50
UB0502	R2.5	6	10	50
UB0602	R3.0	6	12	50
UB0802	R4.0	8	16	60
UB1002	R5.0	10	20	75
UB1202	R6.0	12	24	75
UB1602	R8.0	16	32	100

UBT 2T

Super MG | 0.2 μm | 30° | 2 Flutes | HRc ▸65 | G15

極超微粒圓頭立銑刀
Ball Nose End Mills

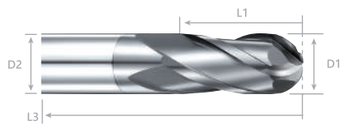


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
UBT0102	R0.5	4	2	50
UBT0102B	R0.5	6	2	50
UBT0152	R0.75	4	3	50
UBT0152B	R0.75	6	3	50
UBT0202	R1.0	6	4	50
UBT0302	R1.5	6	6	50
UBT0402	R2.0	6	8	50
UBT0502	R2.5	6	10	50
UBT0602	R3.0	6	12	50
UBT0802	R4.0	8	16	60
UBT1002	R5.0	10	20	75
UBT1202	R6.0	12	24	75
UBT1602	R8.0	16	32	100

UBT 4T

Super MG | 0.2 μm | 30° | 4 Flutes | HRc ▸65 | G15

極超微粒圓頭立銑刀
Ball Nose End Mills

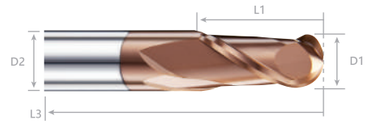


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
UBT0204	R1.0	6	4	50
UBT0304	R1.5	6	6	50
UBT0404	R2.0	6	8	50
UBT0504	R2.5	6	10	50
UBT0604	R3.0	6	12	50
UBT0804	R4.0	8	16	60
UBT1004	R5.0	10	20	75
UBT1204	R6.0	12	24	75

UHB UIB UJB

Super MG | 0.4 μm | 30° | 2 Flutes | HRc ▸60 | G13 | S Type

極超微粒長柄圓頭立銑刀 Long Shank
Ball Nose End Mills



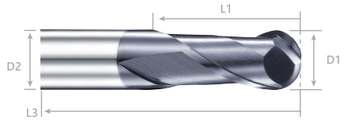
附註 Note
UJB為G12鍍層
UJB is G12 coating.

型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
UHB0202	R1.0	6	4	75
UHB0302	R1.5	6	6	75
UHB0402	R2.0	6	8	75
UHB0502	R2.5	6	10	75
UHB0602	R3.0	6	12	75
UHB0802	R4.0	8	16	75
UIB0402	R2.0	6	8	100
UIB0602	R3.0	6	12	100
UIB0802	R4.0	8	16	100
UIB1002	R5.0	10	20	100
UIB1202	R6.0	12	24	100
UJB1002	R5.0	10	20	150
UJB1202	R6.0	12	24	150
UJB1602	R8.0	16	32	150
UJB2002	R10.0	20	40	150

UHBT UIBT

Super MG | 0.2 μm | 30° | 2 Flutes | HRc ▸65 | G15

極超微粒長柄圓頭立銑刀 Long Shank
Ball Nose End Mills

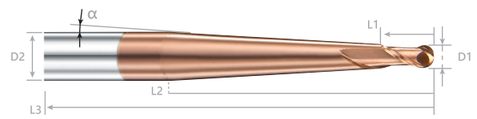


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
UHBT0302	R1.5	6	6	75
UHBT0402	R2.0	6	8	75
UHBT0502	R2.5	6	10	75
UHBT0602	R3.0	6	12	75
UHBT0802	R4.0	8	16	75
UIBT0602	R3.0	6	12	100
UIBT0802	R4.0	8	16	100
UIBT1002	R5.0	10	20	100
UIBT1202	R6.0	12	24	100

UPB

Super MG | 0.4 μm | 30° | 2 Flutes | HRc ▸60 | G12

極超微粒斜頸圓頭立銑刀 Strong Power
Ball Nose End Mills



型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	有效長 L2	全長 L3	斜角 α
UPB0205	R1.0	6	3	60	100	0.5°
UPB0210	R1.0	6	3	60	100	1°
UPB0215	R1.0	6	3	60	100	1.5°
UPB0220	R1.0	6	3	57	100	2°
UPB0305	R1.5	6	4	60	100	0.5°
UPB0310	R1.5	6	4	60	100	1°
UPB0315	R1.5	6	4	57	100	1.5°
UPB0320	R1.5	6	4	43	100	2°
UPB0405	R2.0	6	5	60	100	0.5°
UPB0410	R2.0	6	5	57	100	1°
UPB0415	R2.0	6	5	38	100	1.5°
UPB0420	R2.0	6	5	29	100	2°

USB

Super MG | 0.4 μm | 30° | 2 Flutes | HRc ▸60 | G15

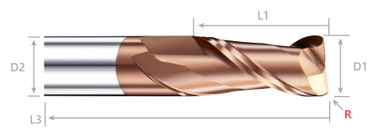
極超微粒斜頸圓頭立銑刀 Strong Power
Ball Nose End Mills

型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3	斜角 α
USB0203	R1.0	6	4	75	3°
USB0205	R1.0	6	4	75	5°
USB0315	R1.5	6	6	100	1.5°
USB0303	R1.5	6	6	75	3°
USB0305	R1.5	6	6	75	5°
USB0415	R2.0	6	8	100	1.5°
USB0405	R2.0	6	8	75	5°
USB0615	R3.0	8	12	100	1.5°
USB0603	R3.0	8	12	75	3°
USB0605	R3.0	8	12	100	5°
USB0603B	R3.0	10	12	100	3°
USB0605B	R3.0	10	12	100	5°

UKR

Super MG | 0.2 μm | 35° | R | 2 Flutes | HRc ▸60 | G12

極超微粒圓鼻角立銑刀 小尺寸 Small size
End Mills

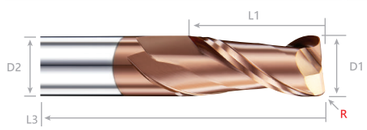


型號 Type NO.	直徑 D1	柄徑 D2	R角 R	刃長 L1	全長 L3
UKR0102	1.0	4	0.2	3	50
UKR0152	1.5	4	0.2	4	50
UKR0202	2.0	4	0.2	6	50
UKR0205	2.0	4	0.5	6	50
UKR0252	2.5	4	0.2	8	50
UKR0255	2.5	4	0.5	8	50
UKR0302	3.0	4	0.2	8	50
UKR0303	3.0	4	0.3	8	50
UKR0305	3.0	4	0.5	8	50
UKR0402	4.0	4	0.2	11	50
UKR0403	4.0	4	0.3	11	50
UKR0405	4.0	4	0.5	11	50
UKR0503	5.0	6	0.3	13	50
UKR0505	5.0	6	0.5	13	50

UKR

Super MG | 0.2 μm | 35° | R | 2 Flutes | HRc ▸60 | G12

極超微粒圓鼻角立銑刀 大尺寸 Large size
End Mills



型號 Type NO.	直徑 D1	柄徑 D2	R角 R	刃長 L1	全長 L3
UKR0602	6.0	6	0.2	16	50
UKR0603	6.0	6	0.3	16	50
UKR0605	6.0	6	0.5	16	50
UKR0610	6.0	6	1.0	16	50
UKR0803	8.0	8	0.3	20	60
UKR0805	8.0	8	0.5	20	60
UKR0810	8.0	8	1.0	20	60
UKR1002	10.0	10	0.2	25	75
UKR1003	10.0	10	0.3	25	75
UKR1005	10.0	10	0.5	25	75
UKR1010	10.0	10	1.0	25	75
UKR1203	12.0	12	0.3	30	75
UKR1205	12.0	12	0.5	30	75
UKR1210	12.0	12	1.0	30	75
UKR1215	12.0	12	1.5	30	75
UKR1220	12.0	12	2.0	30	75

EXCHANGEABLE HEAD ENDMILL 2
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HIGH PERFORMANCE
UNEQUAL FLUTE SPACING VARIABLE HELIX
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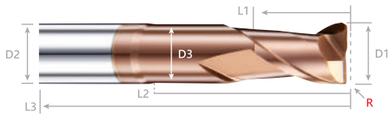
STAINLESS STEEL CUTTING
ECONOMY SERIES
CARBON STEEL CUTTING
GRAPHITE CUTTING
COMPOSITE MATERIALS CUTTING
CARBIDE DRILLS
THREAD MILLING TOOLS
THROW-AWAY INSERT

UNR

Super MG | 0.4 μm | 35° | 2 Flutes | HRc ▸60 | G12

極超微粒圓鼻角立銑刀 End Mills — Corner Radius



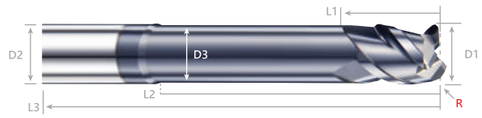
型號 Type NO.	直徑 D1	柄徑 D2	頸徑 D3	R角 R	刃長 L1	有效長 L2	全長 L3
UNR0402	4.0	6	3.9	0.2	6	12	50
UNR0405	4.0	6	3.9	0.5	6	12	50
UNR0602	6.0	6	5.8	0.2	8	18	50
UNR0605	6.0	6	5.8	0.5	8	18	50
UNR0610	6.0	6	5.8	1.0	8	18	50
UNR0802	8.0	8	7.7	0.2	10	24	60
UNR0805	8.0	8	7.7	0.5	10	24	60
UNR0810	8.0	8	7.7	1.0	10	24	60
UNR1003	10.0	10	9.6	0.3	12	30	75
UNR1005	10.0	10	9.6	0.5	12	30	75
UNR1010	10.0	10	9.6	1.0	12	30	75
UNR1020	10.0	10	9.6	2.0	12	30	75
UNR1210	12.0	12	11.5	1.0	15	36	75
UNR1220	12.0	12	11.5	2.0	15	36	75
UNR1605	16.0	16	15.4	0.5	24	40	100
UNR1610	16.0	16	15.4	1.0	24	40	100

附註 Note
UNR此型號已停產，庫存售完不補
UNR model discontinued. No restock after sellout.

UHR

Super MG | 0.4 μm | 45° | 3 Flutes | HRc ▸60 | G15

極超微粒圓鼻角立銑刀 End Mills — Corner Radius



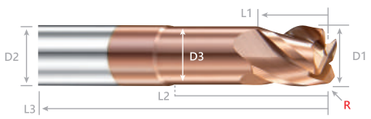
型號 Type NO.	直徑 D1	柄徑 D2	頸徑 D3	R角 R	刃長 L1	有效長 L2	全長 L3
UHR0605	6.0	6	5.8	0.5	8	30	75
UHR0805	8.0	8	7.7	0.5	10	40	100
UHR1005	10.0	10	9.6	0.5	12	50	100
UHR1010	10.0	10	9.6	1.0	12	50	100
UHR1205	12.0	12	11.6	0.5	15	50	100
UHR1610	16.0	16	15.4	1.0	24	50	150

附註 Note
UHR此型號已停產，庫存售完不補
UHR model discontinued. No restock after sellout.

UXR

Super MG | 0.4 μm | 35° | 4 Flutes | HRc ▸60 | G12

極超微粒圓鼻角立銑刀 End Mills — Corner Radius

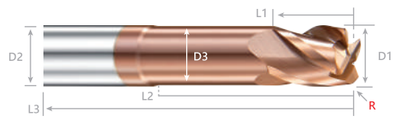


型號 Type NO.	直徑 D1	柄徑 D2	頸徑 D3	R角 R	刃長 L1	有效長 L2	全長 L3
UXR0403	4.0	6	3.9	0.3	6	12	50
UXR0405	4.0	6	3.9	0.5	6	12	50
UXR0603	6.0	6	5.8	0.3	8	18	50
UXR0605	6.0	6	5.8	0.5	8	18	50
UXR0610	6.0	6	5.8	1.0	8	18	50
UXR0803	8.0	8	7.7	0.3	10	24	60
UXR0805	8.0	8	7.7	0.5	10	24	60
UXR0810	8.0	8	7.7	1.0	10	24	60
UXR1005	10.0	10	9.6	0.5	12	30	75
UXR1010	10.0	10	9.6	1.0	12	30	75
UXR1020	10.0	10	9.6	2.0	12	30	75
UXR1030	10.0	10	9.6	3.0	12	30	75
UXR1205	12.0	12	11.5	0.5	15	36	75
UXR1210	12.0	12	11.5	1.0	15	36	75
UXR1605	16.0	16	15.5	0.5	24	40	100
UXR1610	16.0	16	15.5	1.0	24	40	100

ULXR

Super MG | 0.4 μm | 35° | 4 Flutes | HRc ▸60 | G12

極超微粒圓鼻角立銑刀 End Mills — Corner Radius Long Shank

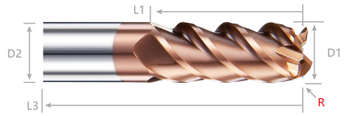


型號 Type NO.	直徑 D1	柄徑 D2	頸徑 D3	R角 R	刃長 L1	有效長 L2	全長 L3
ULXR0605	6.0	6	5.8	0.5	6	18	75
ULXR0610	6.0	6	5.8	1.0	6	18	75
ULXR0805	8.0	8	7.8	0.5	8	24	100
ULXR0810	8.0	8	7.8	1.0	8	24	100
ULXR1005	10.0	10	9.6	0.5	10	30	100
ULXR1010	10.0	10	9.6	1.0	10	30	100
ULXR1020	10.0	10	9.6	2.0	10	30	100
ULXR1205	12.0	12	11.5	0.5	12	36	100
ULXR1210	12.0	12	11.5	1.0	12	36	100
ULXR1220	12.0	12	11.5	2.0	12	36	100
ULXR1610	16.0	16	15.5	1.0	16	40	150
ULXR1620	16.0	16	15.5	2.0	16	40	150

ULR

Super MG | 0.4 μm | 45° | 4 Flutes | HRc ▸60 | G12

極超微粒圓鼻角立銑刀 End Mills — Corner Radius Long Shank



型號 Type NO.	直徑 D1	柄徑 D2	R角 R	刃長 L1	全長 L3
ULR0605	6.0	6	0.5	16	75
ULR0610	6.0	6	1.0	16	75
ULR0805	8.0	8	0.5	20	100
ULR0810	8.0	8	1.0	20	100
ULR1005	10.0	10	0.5	25	100
ULR1010	10.0	10	1.0	25	100
ULR1020	10.0	10	2.0	25	100
ULR1205	12.0	12	0.5	30	100
ULR1210	12.0	12	1.0	30	100
ULR1220	12.0	12	2.0	30	100
ULR1610	16.0	16	1.0	45	150
ULR1620	16.0	16	2.0	45	150

UER

Super MG | 0.4 μm | 45° | 4 Flutes | HRc ▸60 | G12

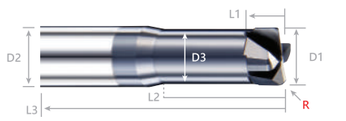
極超微粒圓鼻角立銑刀 End Mills — Corner Radius

型號 Type NO.	直徑 D1	柄徑 D2	R角 R	刃長 L1	全長 L3
UER0202	2.0	4	0.2	6	50
UER0205	2.0	4	0.5	6	50
UER0302S	3.0	3	0.2	8	50
UER0305S	3.0	3	0.5	8	50
UER0402	4.0	4	0.2	10	50
UER0405	4.0	4	0.5	10	50
UER0505	5.0	6	0.5	13	50
UER0510	5.0	6	1.0	13	50
UER0605	6.0	6	0.5	16	50
UER0610	6.0	6	1.0	16	50
UER0805	8.0	8	0.5	20	60
UER0810	8.0	8	1.0	20	60
UER1005	10.0	10	0.5	30	75
UER1010	10.0	10	1.0	30	75
UER1020	10.0	10	2.0	30	75
UER1030	10.0	10	3.0	30	75
UER1210	12.0	12	1.0	30	75
UER1220	12.0	12	2.0	30	75
UER1230	12.0	12	3.0	30	75
UER1610	16.0	16	1.0	45	100
UER1620	16.0	16	2.0	45	100
UER1630	16.0	16	3.0	45	100

UOR

Super MG | 0.2 μm | 0° | 4 Flutes | HRc ▸60 | G15

直刃圓鼻角立銑刀 End Mills — Roughing

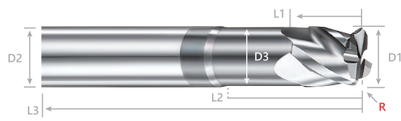


型號 Type NO.	直徑 D1	柄徑 D2	頸徑 D3	R角 R	刃長 L1	有效長 L2	全長 L3
UOR0203	2.0	6	1.8	0.3	0.8	5	50
UOR0205	2.0	6	1.8	0.5	0.8	5	50
UOR0308	3.0	6	2.7	0.8	1.2	8	50
UOR0310	3.0	6	2.7	1.0	1.2	8	50
UOR0405	4.0	6	3.6	0.5	1.6	10	50
UOR0405L	4.0	6	3.6	0.5	1.6	10	75
UOR0410	4.0	6	3.6	1.0	1.6	10	50
UOR0410L	4.0	6	3.6	1.0	1.6	10	75
UOR0610	6.0	6	5.4	1.0	2.5	13	50
UOR0610M	6.0	6	5.4	1.0	2.5	13	75
UOR0610L	6.0	6	5.4	1.0	2.5	13	100
UOR0615	6.0	6	5.4	1.5	2.5	13	50
UOR0615M	6.0	6	5.4	1.5	2.5	13	75
UOR0615L	6.0	6	5.4	1.5	2.5	13	100
UOR0810	8.0	8	7.2	1.0	3.5	16	60
UOR0810L	8.0	8	7.2	1.0	3.5	16	100
UOR0820	8.0	8	7.2	2.0	3.5	16	60
UOR0820L	8.0	8	7.2	2.0	3.5	16	100
UOR1010	10.0	10	9	1.0	4	20	75
UOR1010L	10.0	10	9	1.0	4	20	100
UOR1020	10.0	10	9	2.0	4	20	75
UOR1020L	10.0	10	9	2.0	4	20	100
UOR1220	12.0	12	11	2.0	5	25	75
UOR1220L	12.0	12	11	2.0	5	25	100
UOR1230	12.0	12	11	3.0	5	25	75
UOR1230L	12.0	12	11	3.0	5	25	100

UEYR

Super MG | 0.2 μm | 35° | 4 Flutes | HRc ▸65 | G15

高硬度用圓鼻角立銑刀 End Mills — Corner Radius

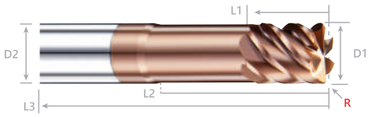


型號 Type NO.	直徑 D1	柄徑 D2	頸徑 D3	R角 R	刃長 L1	有效長 L2	全長 L3
UEYR0202	2.0	6	1.92	0.2	2	6	50
UEYR0205	2.0	6	1.92	0.5	2	6	50
UEYR0252	2.5	6	2.4	0.2	2.5	8	50
UEYR0255	2.5	6	2.4	0.5	2.5	8	50
UEYR0302	3.0	6	2.9	0.2	3	8	50
UEYR0305	3.0	6	2.9	0.5	3	8	50
UEYR0402	4.0	6	3.9	0.2	4	11	50
UEYR0403	4.0	6	3.9	0.3	4	11	50
UEYR0405	4.0	6	3.9	0.5	4	11	50
UEYR0602	6.0	6	5.8	0.2	6	16	50
UEYR0603	6.0	6	5.8	0.3	6	16	50
UEYR0605	6.0	6	5.8	0.5	6	16	50
UEYR0610	6.0	6	5.8	1.0	6	16	50
UEYR0615	6.0	6	5.8	1.5	6	16	50
UEYR0803	8.0	8	7.7	0.3	8	20	60
UEYR0805	8.0	8	7.7	0.5	8	20	60
UEYR0810	8.0	8	7.7	1.0	8	20	60
UEYR0820	8.0	8	7.7	2.0	8	20	60
UEYR1003	10.0	10	9.6	0.3	10	25	75
UEYR1005	10.0	10	9.6	0.5	10	25	75
UEYR1010	10.0	10	9.6	1.0	10	25	75
UEYR1020	10.0	10	9.6	2.0	10	25	75

UVR

Super MG | 0.2 μm | 45° | 6 Flutes | HRc ▸65 | G12

高硬度圓鼻立銑刀 End Mills — High Hardness

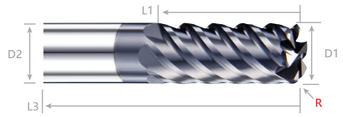


型號 Type NO.	直徑 D1	柄徑 D2	頸徑 D3	R角 R	刃長 L1	有效長 L2	全長 L3
UVR0606	6.0	6	5.8	0.3	8	20	50
UVR0806	8.0	8	7.7	0.3	10	25	60
UVR1006	10.0	10	9.6	0.5	12	30	75
UVR1206	12.0	12	11.5	0.5	15	36	75
UVR1606	16.0	16	15.4	1.0	24	40	100
UVR2006	20.0	20	19.4	1.0	30	50	100

UVTR

Super MG | 0.2 μm | 45° | 6 Flutes | HRc ▸65 | G15

高硬度圓鼻立銑刀 End Mills — High Hardness



型號 Type NO.	直徑 D1	柄徑 D2	R角 R	刃長 L1	全長 L3
UVTR0605	6.0	6	0.5	16	50
UVTR0610	6.0	6	1.0	16	50
UVTR0805	8.0	8	0.5	20	60
UVTR0810	8.0	8	1.0	20	60
UVTR1010	10.0	10	1.0	25	75
UVTR1210	12.0	12	1.0	30	75
UVTR1610	16.0	16	1.0	40	100
UVTR1620	16.0	16	2.0	40	100
UVTR2020	20.0	20	2.0	45	100

UVT

Super MG | 0.2 μm | 45° | 6 Flutes | HRc ▸65 | G15

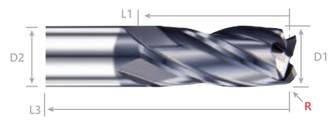
高硬度用立銑刀 End Mills — High Hardness

型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
UVT0606	6.0	6	16	50
UVT0606L	6.0	6	16	75
UVT0806	8.0	8	20	60
UVT0806L	8.0	8	20	100
UVT1006	10.0	10	25	75
UVT1006L	10.0	10	25	100
UVT1206	12.0	12	30	75
UVT1206L	12.0	12	30	100
UVT1606	16.0	16	40	100
UVT2006	20.0	20	45	100

UGR

Super MG | 0.2 μm | 25° | 4 Flutes | HRc ▸65 | G15

極超微粒圓鼻角立銑刀 End Mills — Corner Radius

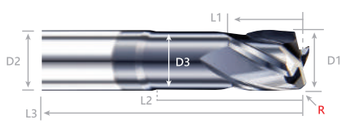


型號 Type NO.	直徑 D1	柄徑 D2	R角 R	刃長 L1	全長 L3
UGR0202	2.0	6	0.2	6	50
UGR0205	2.0	6	0.5	6	50
UGR0302S	3.0	3	0.2	8	50
UGR0305S	3.0	3	0.5	8	50
UGR0402	4.0	6	0.2	10	50
UGR0405	4.0	6	0.5	10	50
UGR0505	5.0	6	0.5	13	50
UGR0510	5.0	6	1.0	13	50
UGR0605	6.0	6	0.5	16	50
UGR0610	6.0	6	1.0	16	50
UGR0805	8.0	8	0.5	20	60
UGR0810	8.0	8	1.0	20	60
UGR1005	10.0	10	0.5	25	75
UGR1010	10.0	10	1.0	25	75
UGR1020	10.0	10	2.0	25	75
UGR1030	10.0	10	3.0	25	75
UGR1210	12.0	12	1.0	30	75
UGR1220	12.0	12	2.0	30	75
UGR1230	12.0	12	3.0	30	75
UGR1610	16.0	16	1.0	45	100
UGR1620	16.0	16	2.0	45	100
UGR1630	16.0	16	3.0	45	100

UPR

Super MG | 0.2 μm | 25° | 4 Flutes | HRc ▸65 | G15

極超微粒圓鼻角立銑刀 End Mills — Corner Radius

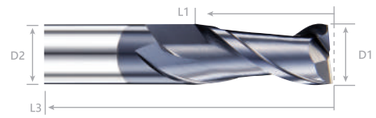


型號 Type NO.	直徑 D1	柄徑 D2	頸徑 D3	R角 R	刃長 L1	有效長 L2	全長 L3
UPR0305	3.0	6	2.9	0.5	3	12	50
UPR0405	4.0	6	3.9	0.5	4	12	50
UPR0605	6.0	6	5.8	0.5	6	15	50
UPR0610	6.0	6	5.8	1.0	6	15	50
UPR0805	8.0	8	7.7	0.5	8	20	60
UPR0810	8.0	8	7.7	1.0	8	20	60
UPR1010	10.0	10	9.6	1.0	10	25	75
UPR1020	10.0	10	9.6	2.0	10	25	75
UPR1030	10.0	10	9.6	3.0	10	25	75
UPR1210	12.0	12	11.5	1.0	12	30	75
UPR1220	12.0	12	11.5	2.0	12	30	75

UET 2T

Super MG | 0.4 μm | 35° | 2 Flutes | HRc ▸60 | G15

極超微粒立銑刀 End Mills

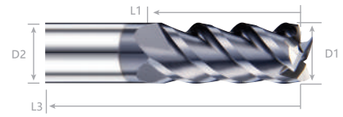


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
UET0102S	1.0	3	3	50
UET0102	1.0	4	3	50
UET0152S	1.5	3	4	50
UET0152	1.5	4	4	50
UET0202S	2.0	3	6	50
UET0202	2.0	4	6	50
UET0302S	3.0	3	8	50
UET0302M	3.0	4	8	50
UET0302	3.0	6	8	50
UET0402M	4.0	4	11	50
UET0402	4.0	6	11	50
UET0502	5.0	6	13	50
UET0602	6.0	6	16	50
UET0802	8.0	8	20	60
UET1002	10.0	10	25	75
UET1202	12.0	12	30	75
UET1602	16.0	16	45	100

UET 4T

Super MG | 0.4 μm | 45° | 4 Flutes | HRc ▸60 | G15

極超微粒立銑刀 End Mills

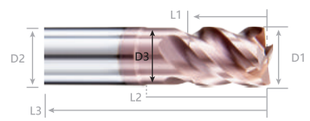


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
UET0104	1.0	4	3	50
UET0154	1.5	4	4	50
UET0204	2.0	4	6	50
UET0304S	3.0	3	8	50
UET0304M	3.0	4	8	50
UET0304	3.0	6	8	50
UET0404S	4.0	4	11	50
UET0404	4.0	6	11	50
UET0504	5.0	6	13	50
UET0604	6.0	6	16	50
UET0804	8.0	8	20	60
UET1004	10.0	10	25	75
UET1204	12.0	12	30	75
UET1604	16.0	16	45	100
UET2004	20.0	20	45	100

UES

Super MG | 0.2 μm | 45° | 4 Flutes | HRc ▸65 | G12

無敵高硬度短刃立銑刀 End Mills

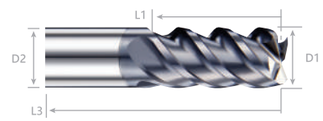


型號 Type NO.	直徑 D1	柄徑 D2	頸徑 D3	刃長 L1	有效長 L2	全長 L3
UES0604	6.0	6	5.8	8	13	50
UES0804	8.0	8	7.7	10	17	60
UES1004	10.0	10	9.6	12	22	75
UES1204	12.0	12	11.5	15	25	75

UEX

Super MG | 0.2 μm | 45° | 4 Flutes | HRc ▸65 | G15

無敵高硬度立銑刀 End Mills — High Hardness



型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
UEX0104S	1.0	4	3	50
UEX0104	1.0	6	3	50
UEX0154S	1.5	4	4	50
UEX0154	1.5	6	4	50
UEX0204S	2.0	4	6	50
UEX0204	2.0	6	6	50
UEX0304S	3.0	4	8	50
UEX0304	3.0	6	8	50
UEX0404S	4.0	4	11	50
UEX0404	4.0	6	11	50
UEX0504	5.0	6	13	50
UEX0604	6.0	6	16	50
UEX0804	8.0	8	20	60
UEX1004	10.0	10	22	75
UEX1204	12.0	12	26	75
UEX1604	16.0	16	36	100
UEX2004	20.0	20	40	100

EXCHANGEABLE HEAD ENDMILL 2
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ECONOMY SERIES
CARBON STEEL CUTTING
GRAPHITE CUTTING
COMPOSITE MATERIALS CUTTING
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THREAD MILLING TOOLS
THROW-AWAY INSERT

破壞王-超級龍捲風系列

HIGH PERFORMANCE CUTTING SERIES

是高效率(重切削)的加工專家，其加工能力和效率優越，抗震性好、斷屑和排屑能力極佳，有1D~2D的溝銑與側銑能力。
一般泛用於HRC45以下之加工材料，專剋難切削材。
例如：不鏽鋼(S136)、鈦合金、鎳基合金、耐熱合金等。

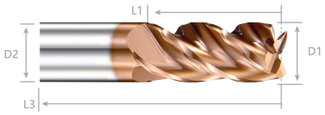
It does all this along with its dedication to high-efficiency and high-hard cutting with outstanding vibration resistance levels and fast chip removal ability.

Also, it has 1D~2D groove milling and side milling ability. It is widely used in machining materials with hardness level smaller than HRc45 and difficult-to-cut materials such as Stainless Steels (S136), Titanium Alloy, Nickel Alloy, High Temperature Alloy, and Inconel 718.

UEW4T

Super MG | 0.4 μm | 35° | FIT | 4Flutes | HRc ▸55 | G10

龍捲風立銑刀 End Mills — Heavy Duty

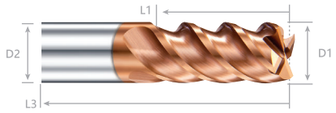


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
UEW0604	6.0	6	16	50
UEW0804	8.0	8	20	60
UEW1004	10.0	10	22	75
UEW1204	12.0	12	26	75
UEW1604	16.0	16	45	100
UEW2004	20.0	20	55	120

UPS

Super MG | 0.4 μm | 45° | FIT | 4Flutes | HRc ▸60 | G10

無敵高效能立銑刀 End Mills — Heavy Duty

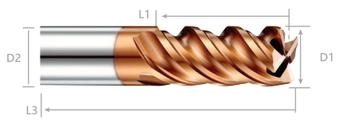


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
UPS0304	3.0	6	8	50
UPS0304L	3.0	6	12	60
UPS0404	4.0	6	11	50
UPS0404L	4.0	6	16	60
UPS0504	5.0	6	13	50
UPS0604	6.0	6	16	50
UPS0604L	6.0	6	20	60
UPS0804	8.0	8	20	60
UPS0804L	8.0	8	25	75
UPS1004	10.0	10	22	75
UPS1004L	10.0	10	30	80
UPS1204	12.0	12	26	75
UPS1204L	12.0	12	35	100
UPS1604	16.0	16	36	100
UPS1604L	16.0	16	50	110
UPS1804	18.0	18	40	100
UPS2004	20.0	20	40	100
UPS2004L	20.0	20	50	120

UPZ

Super MG | 0.4 μm | 45° | FIT | 4Flutes | HRc ▸60 | G10

抗震高效能立銑刀 End Mills — Heavy Duty

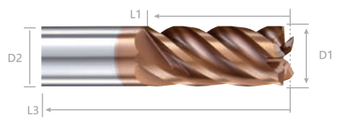


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
UPZ0304	3.0	6	8	50
UPZ0404	4.0	6	11	50
UPZ0504	5.0	6	13	50
UPZ0604	6.0	6	16	50
UPZ0804	8.0	8	20	60
UPZ1004	10.0	10	22	75
UPZ1204	12.0	12	26	75
UPZ1604	16.0	16	36	100
UPZ2004	20.0	20	40	100

UPW

Super MG | 0.4 μm | 37° | FIT | 5Flutes | HRc ▸60 | G10

無敵高效能立銑刀 End Mills — Heavy Duty

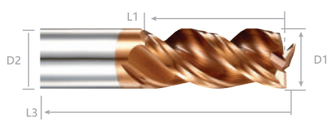


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
UPW0305	3.0	6	8	50
UPW0405	4.0	6	11	50
UPW0505	5.0	6	13	50
UPW0605	6.0	6	16	50
UPW0805	8.0	8	20	60
UPW1005	10.0	10	22	75
UPW1205	12.0	12	26	75
UPW1405	14.0	14	30	80
UPW1605	16.0	16	36	100
UPW1805	18.0	18	40	100
UPW2005	20.0	20	40	100
UPW2505	25.0	25	45	100

UPA

Super MG | 0.4 μm | 40° | FIT | 3Flutes | HRc ▸55 | G10

無敵高效能立銑刀 End Mills — Heavy Duty

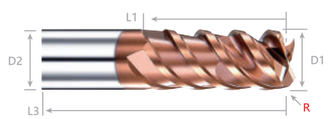


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
UPA0203	2.0	6	6	50
UPA0303	3.0	6	8	50
UPA0403	4.0	6	11	50
UPA0503	5.0	6	13	50
UPA0603	6.0	6	16	50
UPA0803	8.0	8	20	60
UPA1003	10.0	10	25	75
UPA1203	12.0	12	30	75
UPA1603	16.0	16	50	120
UPA2003	20.0	20	60	120

UPJ

Super MG | 0.4 μm | 50° | FIT | R | 4Flutes | HRc ▸60 | G10

無敵高剛性立銑刀 End Mills — Heavy Duty

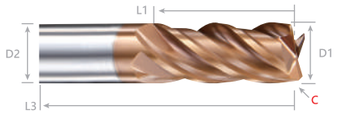


型號 Type NO.	直徑 D1	柄徑 D2	R角 R	刃長 L1	全長 L3
UPJ0304	3.0	6	0.2	8	50
UPJ0404	4.0	6	0.3	11	50
UPJ0504	5.0	6	0.3	13	50
UPJ0604	6.0	6	0.4	16	50
UPJ0804	8.0	8	0.5	20	60
UPJ1004	10.0	10	0.6	25	75
UPJ1204	12.0	12	0.6	30	75
UPJ1604	16.0	16	0.8	45	110
UPJ2004	20.0	20	1.0	50	110

UPG

Super MG | 0.4 μm | 35~38° | FIT | 4Flutes | HRc ▸60 | G10

抗震高效能立銑刀 End Mills — Heavy Duty

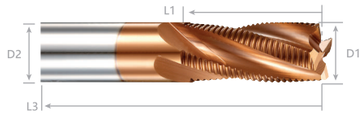


型號 Type NO.	直徑 D1	柄徑 D2	倒角 C	刃長 L1	全長 L3
UPG0304	3.0	6	0.15	8	50
UPG0404	4.0	6	0.15	11	50
UPG0504	5.0	6	0.2	13	50
UPG0604	6.0	6	0.2	16	50
UPG0604L	6.0	6	0.2	20	60
UPG0804	8.0	8	0.25	20	60
UPG0804L	8.0	8	0.25	25	75
UPG1004	10.0	10	0.3	22	75
UPG1004L	10.0	10	0.3	30	80
UPG1204	12.0	12	0.3	26	75
UPG1204L	12.0	12	0.3	35	100
UPG1604	16.0	16	0.4	40	100
UPG1604L	16.0	16	0.4	50	120
UPG1804	18.0	18	0.5	40	100
UPG2004	20.0	20	0.5	40	100
UPG2004L	20.0	20	0.5	50	120

WWB

MG | 0.4 μm | Roughing | 29° | FIT | 4Flutes | HRc ▸55 | G10

抗震粗齒細目銑刀 End Mills — Heavy Duty

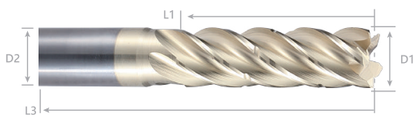


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
WWB0604	6.0	6	16	50
WWB0804	8.0	8	20	60
WWB1004	10.0	10	25	75
WWB1204	12.0	12	30	75
WWB1404	14.0	16	35	100
WWB1604	16.0	16	40	100
WWB1804	18.0	20	40	100
WWB2004	20.0	20	45	100

UEF

Super MG | 0.4 μm | 38° | 5Flutes | HRc ▸60 | G11

不等分割斷屑立銑刀 End Mills

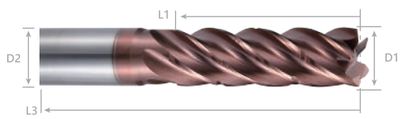


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
UEF0605	6.0	6	18	60
UEF0605M	6.0	6	24	65
UEF0605L	6.0	6	30	75
UEF0805	8.0	8	24	75
UEF0805M	8.0	8	32	75
UEF0805L	8.0	8	40	100
UEF1005	10.0	10	30	80
UEF1005M	10.0	10	40	100
UEF1005L	10.0	10	50	100
UEF1205	12.0	12	36	100
UEF1205M	12.0	12	48	100
UEF1605	16.0	16	50	120
UEF1605L	16.0	16	70	150

LEF

MG | 0.6 μm | 38° | 5Flutes | HRc ▸55 | G10

不等分割斷屑立銑刀 End Mills

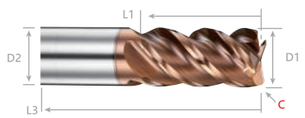


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
LEF0605	6.0	6	18	60
LEF0605M	6.0	6	24	65
LEF0605L	6.0	6	30	75
LEF0805	8.0	8	24	75
LEF0805M	8.0	8	32	75
LEF0805L	8.0	8	40	100
LEF1005	10.0	10	30	80
LEF1005M	10.0	10	40	100
LEF1005L	10.0	10	50	100
LEF1205	12.0	12	36	100
LEF1205M	12.0	12	48	100
LEF1605	16.0	16	50	110
LEF1605L	16.0	16	70	150

XEW(A)

Super MG | 0.4 μm | 45° | 4Flutes | HRc ▸60 | G10 | P POLISH

抗震高效能立銑刀 End Mills

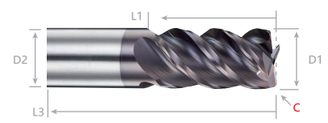


型號 Type NO.	直徑 D1	柄徑 D2	倒角 C	刃長 L1	全長 L3
XEW0604A	6.0	6	0.12	12	50
XEW0604AL	6.0	6	0.12	18	60
XEW0804A	8.0	8	0.16	16	60
XEW0804AL	8.0	8	0.16	24	75
XEW1004A	10.0	10	0.2	20	75
XEW1004AL	10.0	10	0.2	30	80
XEW1204A	12.0	12	0.24	24	75
XEW1204AL	12.0	12	0.24	36	100

XEW(B)

MG | 0.6 μm | 45° | 4Flutes | HRc ▸55 | T2

抗震高效能立銑刀 End Mills



型號 Type NO.	直徑 D1	柄徑 D2	倒角 C	刃長 L1	全長 L3
XEW0604B	6.0	6	0.12	12	50
XEW0604BL	6.0	6	0.12	18	60
XEW0804B	8.0	8	0.16	16	60
XEW0804BL	8.0	8	0.16	24	75
XEW1004B	10.0	10	0.2	20	75
XEW1004BL	10.0	10	0.2	30	80
XEW1204B	12.0	12	0.24	24	75
XEW1204BL	12.0	12	0.24	36	100

不等分割可變螺旋系列

UNEQUAL FLUTE SPACING & VARIABLE HELIX SERIES

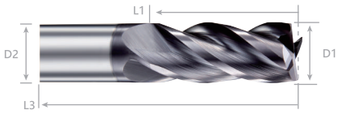
特殊的銑刀端面不等分割和螺旋角變化設計，增加加工時的抗震性、提升排屑順暢度並延長加工壽命，應用在高速擺線側銑加工以及1D的高效率溝側銑也能展現超水準效率，系列產品的加工應用VC值可達200(M/MIN)以上。

Special unequal spacing of the end teeth and variable helix designs improve vibration resistance, chip removal efficiency, and tool life. It is dedicated to high speed trochoidal side milling and 1D high-efficiency slot milling, and the Vc value can reach to 200 m/min and above.

XEA 4T

MG | 0.6 μm | 33°~37° | 4Flutes | HRc ▸55 | T2

抗震高效能立銑刀
End Mills

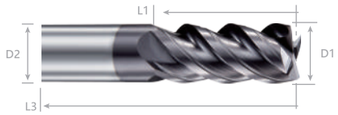


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
XEA0304	3.0	6	6	50
XEA0404	4.0	6	9	50
XEA0504	5.0	6	11	50
XEA0604	6.0	6	13	50
XEA0804	8.0	8	16	60
XEA1004	10.0	10	22	75
XEA1204	12.0	12	26	75
XEA1604	16.0	16	36	100
XEA2004	20.0	20	40	100

XEB 4T

Super MG | 0.4 μm | 43°~47° | 4Flutes | HRc ▸60 | T2

抗震高效能立銑刀
End Mills

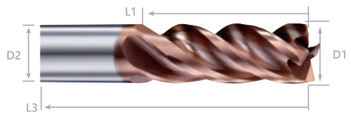


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
XEB0304	3.0	6	6	50
XEB0404	4.0	6	9	50
XEB0504	5.0	6	11	50
XEB0604	6.0	6	13	50
XEB0804	8.0	8	16	60
XEB1004	10.0	10	22	75
XEB1204	12.0	12	26	75
XEB1604	16.0	16	36	100
XEB2004	20.0	20	40	100

XEV 4T

Super MG | 0.4 μm | 36°~38° | 4Flutes | HRc ▸60 | G10

抗震高效能立銑刀
End Mills

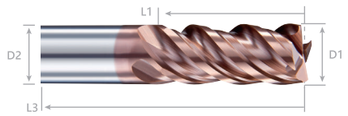


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
XEV0304	3.0	6	8	50
XEV0404	4.0	6	11	50
XEV0504	5.0	6	13	50
XEV0604	6.0	6	15	50
XEV0804	8.0	8	20	60
XEV1004	10.0	10	22	75
XEV1204	12.0	12	26	75
XEV1604	16.0	16	36	100
XEV2004	20.0	20	40	100

XPZ 4T

Super MG | 0.4 μm | 43°~47° | 4Flutes | HRc ▸60 | G10

抗震高效能立銑刀
End Mills

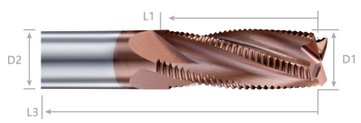


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
XPZ0304	3.0	6	8	50
XPZ0404	4.0	6	11	50
XPZ0504	5.0	6	13	50
XPZ0604	6.0	6	16	50
XPZ0804	8.0	8	20	60
XPZ1004	10.0	10	22	75
XPZ1204	12.0	12	26	75
XPZ1604	16.0	16	36	100
XPZ2004	20.0	20	40	100

XWB 4T

Super MG | 0.4 μm | 18°~22° | Roughing | 4Flutes | HRc ▸55 | G10

抗震高效能立銑刀
End Mills

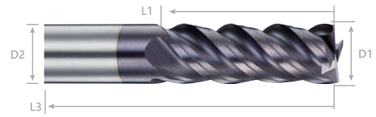


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
XWB0604	6.0	6	13	50
XWB0804	8.0	8	16	60
XWB1004	10.0	10	22	75
XWB1204	12.0	12	26	75

XEH

MG | 0.6 μm | 43°~47° | 4Flutes | HRc ▸55 | T2

抗震高效能立銑刀
End Mills

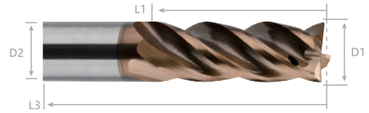


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
XEH0304	3.0	6	8	50
XEH0404	4.0	6	11	50
XEH0504	5.0	6	13	50
XEH0604	6.0	6	16	50
XEH0804	8.0	8	20	60
XEH1004	10.0	10	22	75
XEH1204	12.0	12	26	75
XEH1604	16.0	16	36	100
XEH2004	20.0	20	40	100

XVO

Super MG | 0.4 μm | 36°~38° | 4Flutes | HRc ▸60 | G10

抗震高效能立銑刀（内冷孔）
End Mills



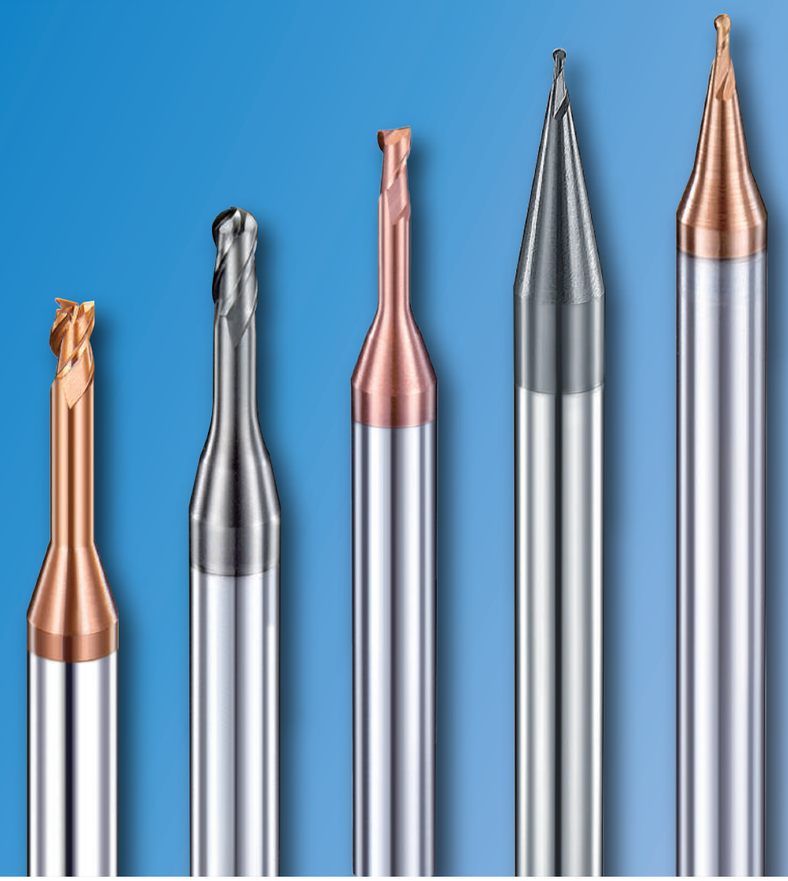
型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
XVO0604	6.0	6	15	50
XVO0804	8.0	8	20	60
XVO1004	10.0	10	22	75
XVO1204	12.0	12	26	75

微小徑、深溝系列

MICRO DIAMETER & LONG NECK SERIES

廣泛用於3C電子產業、零件加工以及精密模具加工，目前微小徑刀的刀具直徑最小可達R0.1，大幅度提升加工的精準程度。

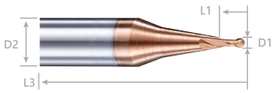
It is widely used in 3C electronic, parts machining, and precision mold machining industry. Currently, the minimal diameter for Micro Diameter & Long Neck Series has reached to R0.1 which drastically improves the precision level of machining.



MBTA

Super MG | 0.4 μm | 30° | 2 Flutes | HRc ▸60 | G12

微小徑圓頭立銑刀 Ball Nose End Mills — Micro Diameter

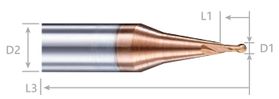


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
MBTA0032	R0.15	4	0.6	50
MBTA0042	R0.2	4	0.8	50
MBTA0052	R0.25	4	1	50
MBTA0062	R0.3	4	1.2	50
MBTA0072	R0.35	4	1.4	50
MBTA0082	R0.4	4	1.6	50
MBTA0102	R0.5	4	2	50
MBTA0122	R0.6	4	2.4	50
MBTA0142	R0.7	4	2.8	50
MBTA0152	R0.75	4	3	50
MBTA0162	R0.8	4	3.2	50
MBTA0182	R0.9	4	3.6	50
MBTA0202	R1.0	4	4	50
MBTA0302	R1.5	4	6	50
MBTA0402	R2.0	4	8	50

MSB

Super MG | 0.4 μm | 30° | 2 Flutes | HRc ▸60 | G12

微小徑圓頭立銑刀 Ball Nose End Mills — Micro Diameter

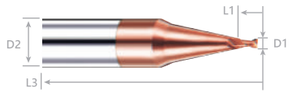


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
MSB0032	R0.15	3	0.6	50
MSB0042	R0.2	3	0.8	50
MSB0052	R0.25	3	1	50
MSB0062	R0.3	3	1.2	50
MSB0072	R0.35	3	1.4	50
MSB0082	R0.4	3	1.6	50
MSB0102	R0.5	3	2	50
MSB0122	R0.6	3	2.4	50
MSB0142	R0.7	3	2.8	50
MSB0152	R0.75	3	3	50
MSB0162	R0.8	3	3.2	50
MSB0182	R0.9	3	3.6	50
MSB0202	R1.0	3	4	50
MSB0302	R1.5	3	6	50

META

Super MG | 0.4 μm | 35° | 2 Flutes | HRc ▸60 | G12

微小徑立銑刀 End Mills — Micro Diameter

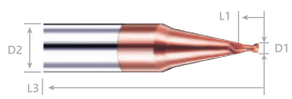


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
META0022	0.2	4	0.4	50
META0032	0.3	4	0.6	50
META0042	0.4	4	0.8	50
META0052	0.5	4	1	50
META0062	0.6	4	1.2	50
META0072	0.7	4	1.4	50
META0082	0.8	4	1.6	50
META0092	0.9	4	1.8	50
META0102	1.0	4	2.5	50
META0122	1.2	4	3	50
META0142	1.4	4	3	50
META0152	1.5	4	4	50
META0162	1.6	4	4	50
META0182	1.8	4	5	50
META0202	2.0	4	6	50
META0252	2.5	4	8	50
META0302	3.0	4	8	50

MET

Super MG | 0.4 μm | 35° | 2 Flutes | HRc ▸60 | G12

微小徑立銑刀 End Mills — Micro Diameter

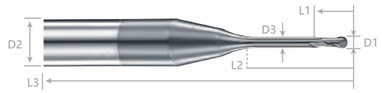


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
MET0022	0.2	3	0.4	50
MET0032	0.3	3	0.6	50
MET0042	0.4	3	0.8	50
MET0052	0.5	3	1	50
MET0062	0.6	3	1.2	50
MET0082	0.8	3	1.6	50
MET0102	1.0	3	2.5	50
MET0122	1.2	3	3	50
MET0142	1.4	3	3	50
MET0152	1.5	3	4	50
MET0162	1.6	3	4	50
MET0182	1.8	3	5	50
MET0202	2.0	3	6	50
MET0252	2.5	3	8	50
MET0302	3.0	3	8	50

UNBX 2T

Super MG | 0.2 μm | 30° | 2 Flutes | HRc ▸65 | G15

深溝用圓頭立銑刀 Ball Nose End Mills — Long Neck

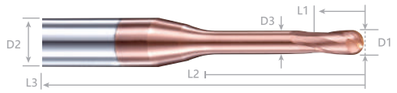


型號 Type NO.	直徑 D1	柄徑 D2	頸徑 D3	刃長 L1	有效長 L2	全長 L3
UNBX0201	R0.1	4	0.18	0.3	1	50
UNBX02015	R0.1	4	0.18	0.3	1.5	50
UNBX0202	R0.1	4	0.18	0.3	2	50
UNBX0301	R0.15	4	0.26	0.4	1	50
UNBX0302	R0.15	4	0.26	0.4	2	50
UNBX0303	R0.15	4	0.26	0.4	3	50
UNBX0401	R0.2	4	0.36	0.6	1	50
UNBX0402	R0.2	4	0.36	0.6	2	50
UNBX0403	R0.2	4	0.36	0.6	3	50
UNBX0404	R0.2	4	0.36	0.6	4	50
UNBX0502	R0.25	4	0.46	0.8	2	50
UNBX0503	R0.25	4	0.46	0.8	3	50
UNBX0504	R0.25	4	0.46	0.8	4	50
UNBX0505	R0.25	4	0.46	0.8	5	50
UNBX0506	R0.25	4	0.46	0.8	6	50
UNBX0602	R0.3	4	0.56	0.9	2	50
UNBX0603	R0.3	4	0.56	0.9	3	50
UNBX0604	R0.3	4	0.56	0.9	4	50
UNBX0605	R0.3	4	0.56	0.9	5	50
UNBX0606	R0.3	4	0.56	0.9	6	50
UNBX0804	R0.4	4	0.76	1.2	4	50
UNBX0805	R0.4	4	0.76	1.2	5	50
UNBX0806	R0.4	4	0.76	1.2	6	50
UNBX0808	R0.4	4	0.76	1.2	8	50
UNBX0809	R0.4	4	0.76	1.2	9	50
UNBX0810	R0.4	4	0.76	1.2	10	50
UNBX1004	R0.5	4	0.95	1.5	4	50
UNBX1005	R0.5	4	0.95	1.5	5	50
UNBX1006	R0.5	4	0.95	1.5	6	50
UNBX1008	R0.5	4	0.95	1.5	8	50
UNBX1009	R0.5	4	0.95	1.5	9	50
UNBX1010	R0.5	4	0.95	1.5	10	50
UNBX1012	R0.5	4	0.95	1.5	12	50
UNBX1205	R0.6	4	1.15	2	5	50
UNBX1206	R0.6	4	1.15	2	6	50
UNBX1208	R0.6	4	1.15	2	8	50
UNBX1210	R0.6	4	1.15	2	10	50
UNBX1212	R0.6	4	1.15	2	12	50
UNBX1506	R0.75	4	1.45	2	6	50
UNBX1508	R0.75	4	1.45	2	8	50
UNBX1509	R0.75	4	1.45	2	9	50
UNBX1510	R0.75	4	1.45	2	10	50
UNBX1512	R0.75	4	1.45	2	12	50
UNBX1514	R0.75	4	1.45	2	14	50
UNBX1515	R0.75	4	1.45	2	15	50
UNBX1516	R0.75	4	1.45	2	16	50
UNBX1518	R0.75	4	1.45	2	18	50
UNBX1520	R0.75	4	1.45	2	20	50
UNBX1608	R0.8	4	1.54	2.5	8	50
UNBX1609	R0.8	4	1.54	2.5	9	50
UNBX1610	R0.8	4	1.54	2.5	10	50
UNBX1612	R0.8	4	1.54	2.5	12	50
UNBX1614	R0.8	4	1.54	2.5	14	50
UNBX1615	R0.8	4	1.54	2.5	15	50
UNBX1616	R0.8	4	1.54	2.5	16	50
UNBX2006	R1.0	4	1.92	3	6	50
UNBX2008	R1.0	4	1.92	3	8	50
UNBX2009	R1.0	4	1.92	3	9	50
UNBX2010	R1.0	4	1.92	3	10	50
UNBX2012	R1.0	4	1.92	3	12	50
UNBX2014	R1.0	4	1.92	3	14	50
UNBX2015	R1.0	4	1.92	3	15	50
UNBX2016	R1.0	4	1.92	3	16	50
UNBX2018	R1.0	4	1.92	3	18	50
UNBX2020	R1.0	4	1.92	3	20	50
UNBX3006	R1.5	6	2.9	4	6	50
UNBX3008	R1.5	6	2.9	4	8	50
UNBX3009	R1.5	6	2.9	4	9	50
UNBX3010	R1.5	6	2.9	4	10	50
UNBX3012	R1.5	6	2.9	4	12	50
UNBX3014	R1.5	6	2.9	4	14	50
UNBX3015	R1.5	6	2.9	4	15	50
UNBX3016	R1.5	6	2.9	4	16	50
UNBX3018	R1.5	6	2.9	4	18	60
UNBX3020	R1.5	6	2.9	4	20	60
UNBX3022	R1.5	6	2.9	4	22	60
UNBX3024	R1.5	6	2.9	4	24	60
UNBX3025	R1.5	6	2.9	4	25	60
UNBX4008	R2.0	6	3.88	5	8	75
UNBX4009	R2.0	6	3.88	5	9	75
UNBX4010	R2.0	6	3.88	5	10	75
UNBX4012	R2.0	6	3.88	5	12	75
UNBX4014	R2.0	6	3.88	5	14	75
UNBX4015	R2.0	6	3.88	5	15	75
UNBX4016	R2.0	6	3.88	5	16	75
UNBX4018	R2.0	6	3.88	5	18	75
UNBX4020	R2.0	6	3.88	5	20	75
UNBX4022	R2.0	6	3.88	5	22	75
UNBX4025	R2.0	6	3.88	5	25	75
UNBX4026	R2.0	6	3.88	5	26	75
UNBX4028	R2.0	6	3.88	5	28	75
UNBX4030	R2.0	6	3.88	5	30	75

UNB

Super MG | 0.2 μm | 15° | 2 Flutes | HRc ▸65 | G12

深溝用圓頭立銑刀 Ball Nose End Mills — Long Neck



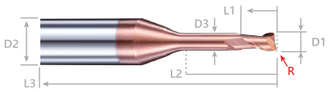
型號 Type NO.	直徑 D1	柄徑 D2	頸徑 D3	刃長 L1	有效長 L2	全長 L3
UNB0502	R0.25	4	0.46	0.8	2	50
UNB0503	R0.25	4	0.46	0.8	3	50
UNB0504	R0.25	4	0.46	0.8	4	50
UNB0505	R0.25	4	0.46	0.8	5	50
UNB0506	R0.25	4	0.46	0.8	6	50
UNB0603	R0.3	4	0.56	0.9	3	50
UNB0604	R0.3	4	0.56	0.9	4	50
UNB0605	R0.3	4	0.56	0.9	5	50
UNB0606	R0.3	4	0.56	0.9	6	50
UNB0804	R0.4	4	0.76	1.2	4	50
UNB0805	R0.4	4	0.76	1.2	5	50
UNB0806	R0.4	4	0.76	1.2	6	50
UNB0808	R0.4	4	0.76	1.2	8	50
UNB0809	R0.4	4	0.76	1.2	9	50
UNB0810	R0.4	4	0.76	1.2	10	50
UNB1004	R0.5	4	0.95	1.5	4	50
UNB1005	R0.5	4	0.95	1.5	5	50
UNB1006	R0.5	4	0.95	1.5	6	50
UNB1008	R0.5	4	0.95	1.5	8	50
UNB1009	R0.5	4	0.95	1.5	9	50
UNB1010	R0.5	4	0.95	1.5	10	50
UNB1012	R0.5	4	0.95	1.5	12	50
UNB1205	R0.6	4	1.15	2	5	50
UNB1206	R0.6	4	1.15	2	6	50
UNB1208	R0.6	4	1.15	2	8	50
UNB1209	R0.6	4	1.15	2	9	50
UNB1210	R0.6	4	1.15	2	10	50
UNB1212	R0.6	4	1.15	2	12	50
UNB1506	R0.75	4	1.45	2	6	50
UNB1508	R0.75	4	1.45	2	8	50
UNB1509	R0.75	4	1.45	2	9	50
UNB1510	R0.75	4	1.45	2	10	50
UNB1512	R0.75	4	1.45	2	12	50
UNB1514	R0.75	4	1.45	2	14	50
UNB1515	R0.75	4	1.45	2	15	50
UNB1516	R0.75	4	1.45	2	16	50
UNB1518	R0.75	4	1.45	2	18	50
UNB1520	R0.75	4	1.45	2	20	50
UNB1608	R0.8	4	1.54	2.5	8	50
UNB1609	R0.8	4	1.54	2.5	9	50
UNB1610	R0.8	4	1.54	2.5	10	50
UNB1612	R0.8	4	1.54	2.5	12	50
UNB1614	R0.8	4	1.54	2.5	14	50
UNB1615	R0.8	4	1.54	2.5	15	50
UNB1616	R0.8	4	1.54	2.5	16	50
UNB2006	R1.0	4	1.92	3	6	50
UNB2008	R1.0	4	1.92	3	8	50
UNB2009	R1.0	4	1.92	3	9	50
UNB2010	R1.0	4	1.92	3	10	50
UNB2012	R1.0	4	1.92	3	12	50
UNB2014	R1.0	4	1.92	3	14	50
UNB2015	R1.0	4	1.92	3	15	50
UNB2016	R1.0	4	1.92	3	16	50
UNB2018	R1.0	4	1.92	3	18	50
UNB2020	R1.0	4	1.92	3	20	50
UNB3006	R1.5	6	2.9	4	6	50
UNB3008	R1.5	6	2.9	4	8	50
UNB3009	R1.5	6	2.9	4	9	50
UNB3010	R1.5	6	2.9	4	10	50
UNB3012	R1.5	6	2.9	4	12	50
UNB3014	R1.5	6	2.9	4	14	50
UNB3015	R1.5	6	2.9	4	15	50
UNB3016	R1.5	6	2.9	4	16	50
UNB3018	R1.5	6	2.9	4	18	60
UNB3020	R1.5	6	2.9	4	20	60
UNB3022	R1.5	6	2.9	4	22	60
UNB3024	R1.5	6	2.9	4	24	60
UNB3025	R1.5	6	2.9	4	25	60
UNB4008	R2.0	6	3.88	5	8	75
UNB4009	R2.0	6	3.88	5	9	75
UNB4010	R2.0	6	3.88	5	10	75
UNB4012	R2.0	6	3.88	5	12	75
UNB4014	R2.0	6	3.88	5	14	75
UNB4015	R2.0	6	3.88	5	15	75
UNB4016	R2.0	6	3.88	5	16	75
UNB4018	R2.0	6	3.88	5	18	75
UNB4020	R2.0	6	3.88	5	20	75
UNB4022	R2.0	6	3.88	5	22	75
UNB4025	R2.0	6	3.88	5	25	75
UNB4026	R2.0	6	3.88	5	26	75
UNB4028	R2.0	6	3.88	5	28	75
UNB4030	R2.0	6	3.88	5	30	75

UNE

Super MG | 0.2 μm | 35° | 2 Flutes | HRc ▸65 | G12

深溝用圓鼻立銑刀 End Mills

Long Neck Corner Radius



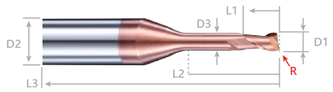
型號 Type NO.	直徑 D1	柄徑 D2	頸徑 D3	R角 R	刃長 L1	有效長 L2	全長 L3
UNE100401	1.0	6	0.95	0.1	1.5	4	50
UNE100501	1.0	6	0.95	0.1	1.5	5	50
UNE100601	1.0	6	0.95	0.1	1.5	6	50
UNE100801	1.0	6	0.95	0.1	1.5	8	50
UNE101001	1.0	6	0.95	0.1	1.5	10	50
UNE101201	1.0	6	0.95	0.1	1.5	12	50
UNE100402	1.0	6	0.95	0.2	1.5	4	50
UNE100502	1.0	6	0.95	0.2	1.5	5	50
UNE100602	1.0	6	0.95	0.2	1.5	6	50
UNE100802	1.0	6	0.95	0.2	1.5	8	50
UNE101002	1.0	6	0.95	0.2	1.5	10	50
UNE101202	1.0	6	0.95	0.2	1.5	12	50
UNE100403	1.0	6	0.95	0.3	1.5	4	50
UNE100503	1.0	6	0.95	0.3	1.5	5	50
UNE100603	1.0	6	0.95	0.3	1.5	6	50
UNE100803	1.0	6	0.95	0.3	1.5	8	50
UNE101003	1.0	6	0.95	0.3	1.5	10	50
UNE101203	1.0	6	0.95	0.3	1.5	12	50
UNE150401	1.5	6	1.44	0.1	1.5	4	50
UNE150501	1.5	6	1.44	0.1	1.5	5	50
UNE150601	1.5	6	1.44	0.1	1.5	6	50
UNE150801	1.5	6	1.44	0.1	1.5	8	50
UNE151001	1.5	6	1.44	0.1	1.5	10	50
UNE151201	1.5	6	1.44	0.1	1.5	12	50
UNE151401	1.5	6	1.44	0.1	1.5	14	50
UNE151601	1.5	6	1.44	0.1	1.5	16	50
UNE150402	1.5	6	1.44	0.2	1.5	4	50
UNE150502	1.5	6	1.44	0.2	1.5	5	50
UNE150602	1.5	6	1.44	0.2	1.5	6	50
UNE150802	1.5	6	1.44	0.2	1.5	8	50
UNE151002	1.5	6	1.44	0.2	1.5	10	50
UNE151202	1.5	6	1.44	0.2	1.5	12	50
UNE151402	1.5	6	1.44	0.2	1.5	14	50
UNE151602	1.5	6	1.44	0.2	1.5	16	50
UNE150403	1.5	6	1.44	0.3	1.5	4	50
UNE150503	1.5	6	1.44	0.3	1.5	5	50
UNE150603	1.5	6	1.44	0.3	1.5	6	50
UNE150803	1.5	6	1.44	0.3	1.5	8	50
UNE151003	1.5	6	1.44	0.3	1.5	10	50
UNE151203	1.5	6	1.44	0.3	1.5	12	50
UNE151403	1.5	6	1.44	0.3	1.5	14	50
UNE151603	1.5	6	1.44	0.3	1.5	16	50
UNE200601	2.0	6	1.92	0.1	2	6	50
UNE200801	2.0	6	1.92	0.1	2	8	50
UNE201001	2.0	6	1.92	0.1	2	10	50
UNE201201	2.0	6	1.92	0.1	2	12	50
UNE201401	2.0	6	1.92	0.1	2	14	50
UNE201501	2.0	6	1.92	0.1	2	15	50
UNE201601	2.0	6	1.92	0.1	2	16	50
UNE201801	2.0	6	1.92	0.1	2	18	50
UNE202001	2.0	6	1.92	0.1	2	20	50
UNE200602	2.0	6	1.92	0.2	2	6	50
UNE200802	2.0	6	1.92	0.2	2	8	50
UNE201002	2.0	6	1.92	0.2	2	10	50
UNE201202	2.0	6	1.92	0.2	2	12	50
UNE201402	2.0	6	1.92	0.2	2	14	50
UNE201502	2.0	6	1.92	0.2	2	15	50
UNE201602	2.0	6	1.92	0.2	2	16	50
UNE201802	2.0	6	1.92	0.2	2	18	50
UNE202002	2.0	6	1.92	0.2	2	20	50
UNE200603	2.0	6	1.92	0.3	2	6	50
UNE200803	2.0	6	1.92	0.3	2	8	50
UNE201003	2.0	6	1.92	0.3	2	10	50
UNE201203	2.0	6	1.92	0.3	2	12	50
UNE201403	2.0	6	1.92	0.3	2	14	50
UNE201503	2.0	6	1.92	0.3	2	15	50
UNE201603	2.0	6	1.92	0.3	2	16	50
UNE201803	2.0	6	1.92	0.3	2	18	50
UNE202003	2.0	6	1.92	0.3	2	20	50
UNE250801	2.5	6	2.40	0.1	3	8	50
UNE251001	2.5	6	2.40	0.1	3	10	50
UNE251201	2.5	6	2.40	0.1	3	12	50

UNE

Super MG | 0.2 μm | 35° | 2 Flutes | HRc ▸65 | G12

深溝用圓鼻立銑刀 End Mills

Long Neck Corner Radius



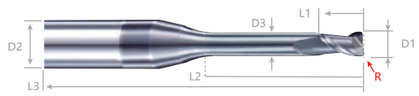
型號 Type NO.	直徑 D1	柄徑 D2	頸徑 D3	R角 R	刃長 L1	有效長 L2	全長 L3
UNE251401	2.5	6	2.40	0.1	3	14	50
UNE251501	2.5	6	2.40	0.1	3	15	50
UNE251601	2.5	6	2.40	0.1	3	16	50
UNE251801	2.5	6	2.40	0.1	3	18	50
UNE252001	2.5	6	2.40	0.1	3	20	50
UNE250802	2.5	6	2.40	0.2	3	8	50
UNE251002	2.5	6	2.40	0.2	3	10	50
UNE251202	2.5	6	2.40	0.2	3	12	50
UNE251402	2.5	6	2.40	0.2	3	14	50
UNE251502	2.5	6	2.40	0.2	3	15	50
UNE251602	2.5	6	2.40	0.2	3	16	50
UNE251802	2.5	6	2.40	0.2	3	18	50
UNE252002	2.5	6	2.40	0.2	3	20	50
UNE250803	2.5	6	2.40	0.3	3	8	50
UNE251003	2.5	6	2.40	0.3	3	10	50
UNE251203	2.5	6	2.40	0.3	3	12	50
UNE251403	2.5	6	2.40	0.3	3	14	50
UNE251503	2.5	6	2.40	0.3	3	15	50
UNE251603	2.5	6	2.40	0.3	3	16	50
UNE251803	2.5	6	2.40	0.3	3	18	50
UNE252003	2.5	6	2.40	0.3	3	20	50
UNE300801	3.0	6	2.90	0.1	3	8	50
UNE301001	3.0	6	2.90	0.1	3	10	50
UNE301201	3.0	6	2.90	0.1	3	12	50
UNE301401	3.0	6	2.90	0.1	3	14	50
UNE301501	3.0	6	2.90	0.1	3	15	50
UNE301601	3.0	6	2.90	0.1	3	16	50
UNE301801	3.0	6	2.90	0.1	3	18	50
UNE302001	3.0	6	2.90	0.1	3	20	50
UNE302201	3.0	6	2.90	0.1	3	22	60
UNE302501	3.0	6	2.90	0.1	3	25	60
UNE300802	3.0	6	2.90	0.2	3	8	50
UNE301002	3.0	6	2.90	0.2	3	10	50
UNE301202	3.0	6	2.90	0.2	3	12	50
UNE301402	3.0	6	2.90	0.2	3	14	50
UNE301502	3.0	6	2.90	0.2	3	15	50
UNE301602	3.0	6	2.90	0.2	3	16	50
UNE301802	3.0	6	2.90	0.2	3	18	50
UNE302002	3.0	6	2.90	0.2	3	20	50
UNE302202	3.0	6	2.90	0.2	3	22	60
UNE302502	3.0	6	2.90	0.2	3	25	60
UNE300803	3.0	6	2.90	0.3	3	8	50
UNE301003	3.0	6	2.90	0.3	3	10	50
UNE301203	3.0	6	2.90	0.3	3	12	50
UNE301403	3.0	6	2.90	0.3	3	14	50
UNE301503	3.0	6	2.90	0.3	3	15	50
UNE301603	3.0	6	2.90	0.3	3	16	50
UNE301803	3.0	6	2.90	0.3	3	18	60
UNE302003	3.0	6	2.90	0.3	3	20	60
UNE302203	3.0	6	2.90	0.3	3	22	60
UNE302503	3.0	6	2.90	0.3	3	25	60
UNE400601	4.0	6	3.88	0.1	4	6	50
UNE400801	4.0	6	3.88	0.1	4	8	50
UNE401001	4.0	6	3.88	0.1	4	10	50
UNE401201	4.0	6	3.88	0.1	4	12	50
UNE401601	4.0	6	3.88	0.1	4	16	50
UNE401801	4.0	6	3.88	0.1	4	18	60
UNE402001	4.0	6	3.88	0.1	4	20	60
UNE400602	4.0	6	3.88	0.2	4	6	50
UNE400802	4.0	6	3.88	0.2	4	8	50
UNE401002	4.0	6	3.88	0.2	4	10	50
UNE401202	4.0	6	3.88	0.2	4	12	50
UNE401602	4.0	6	3.88	0.2	4	16	50
UNE401802	4.0	6	3.88	0.2	4	18	60
UNE402002	4.0	6	3.88	0.2	4	20	60
UNE400603	4.0	6	3.88	0.3	4	6	50
UNE400803	4.0	6	3.88	0.3	4	8	50
UNE401003	4.0	6	3.88	0.3	4	10	50
UNE401203	4.0	6	3.88	0.3	4	12	50
UNE401603	4.0	6	3.88	0.3	4	16	50
UNE401803	4.0	6	3.88	0.3	4	18	60
UNE402003	4.0	6	3.88	0.3	4	20	60

UNER

Super MG | 0.2 μm | 35° | 2 Flutes | HRc ▸60 | G15

深溝用圓鼻立銑刀 End Mills

Long Neck Corner Radius



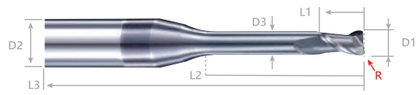
型號 Type NO.	直徑 D1	柄徑 D2	頸徑 D3	R角 R	刃長 L1	有效長 L2	全長 L3
UNER100401	1.0	4	0.95	0.1	1.5	4	50
UNER100501	1.0	4	0.95	0.1	1.5	5	50
UNER100601	1.0	4	0.95	0.1	1.5	6	50
UNER100801	1.0	4	0.95	0.1	1.5	8	50
UNER101001	1.0	4	0.95	0.1	1.5	10	50
UNER101201	1.0	4	0.95	0.1	1.5	12	50
UNER100402	1.0	4	0.95	0.2	1.5	4	50
UNER100502	1.0	4	0.95	0.2	1.5	5	50
UNER100602	1.0	4	0.95	0.2	1.5	6	50
UNER100802	1.0	4	0.95	0.2	1.5	8	50
UNER101002	1.0	4	0.95	0.2	1.5	10	50
UNER101202	1.0	4	0.95	0.2	1.5	12	50
UNER100403	1.0	4	0.95	0.3	1.5	4	50
UNER100503	1.0	4	0.95	0.3	1.5	5	50
UNER100603	1.0	4	0.95	0.3	1.5	6	50
UNER100803	1.0	4	0.95	0.3	1.5	8	50
UNER101003	1.0	4	0.95	0.3	1.5	10	50
UNER101203	1.0	4	0.95	0.3	1.5	12	50
UNER150401	1.5	4	1.44	0.1	2	4	50
UNER150501	1.5	4	1.44	0.1	2	5	50
UNER150601	1.5	4	1.44	0.1	2	6	50
UNER150801	1.5	4	1.44	0.1	2	8	50
UNER151001	1.5	4	1.44	0.1	2	10	50
UNER151201	1.5	4	1.44	0.1	2	12	50
UNER151401	1.5	4	1.44	0.1	2	14	50
UNER151601	1.5	4	1.44	0.1	2	16	50
UNER150402	1.5	4	1.44	0.2	2	4	50
UNER150502	1.5	4	1.44	0.2	2	5	50
UNER150602	1.5	4	1.44	0.2	2	6	50
UNER150802	1.5	4	1.44	0.2	2	8	50
UNER151002	1.5	4	1.44	0.2	2	10	50
UNER151202	1.5	4	1.44	0.2	2	12	50
UNER151402	1.5	4	1.44	0.2	2	14	50
UNER151602	1.5	4	1.44	0.2	2	16	50
UNER150403	1.5	4	1.44	0.3	2	4	50
UNER150503	1.5	4	1.44	0.3	2	5	50
UNER150603	1.5	4	1.44	0.3	2	6	50
UNER150803	1.5	4	1.44	0.3	2	8	50
UNER151003	1.5	4	1.44	0.3	2	10	50
UNER151203	1.5	4	1.44	0.3	2	12	50
UNER151403	1.5	4	1.44	0.3	2	14	50
UNER151603	1.5	4	1.44	0.3	2	16	50
UNER200601	2.0	4	1.92	0.1	3	6	50
UNER200801	2.0	4	1.92	0.1	3	8	50
UNER201001	2.0	4	1.92	0.1	3	10	50
UNER201201	2.0	4	1.92	0.1	3	12	50
UNER201401	2.0	4	1.92	0.1	3	14	50
UNER201501	2.0	4	1.92	0.1	3	15	50
UNER201601	2.0	4	1.92	0.1	3	16	50
UNER201801	2.0	4	1.92	0.1	3	18	50
UNER202001	2.0	4	1.92	0.1	3	20	50
UNER200602	2.0	4	1.92	0.2	3	6	50
UNER200802	2.0	4	1.92	0.2	3	8	50
UNER201002	2.0	4	1.92	0.2	3	10	50
UNER201202	2.0	4	1.92	0.2	3	12	50
UNER201402	2.0	4	1.92	0.2	3	14	50
UNER201502	2.0	4	1.92	0.2	3	15	50
UNER201602	2.0	4	1.92	0.2	3	16	50
UNER201802	2.0	4	1.92	0.2	3	18	50
UNER202002	2.0	4	1.92	0.2	3	20	50
UNER200603	2.0	4	1.92	0.3	3	6	50
UNER200803	2.0	4	1.92	0.3	3	8	50

UNER

Super MG | 0.2 μm | 35° | 2 Flutes | HRc ▸60 | G15

深溝用圓鼻立銑刀 End Mills

Long Neck Corner Radius



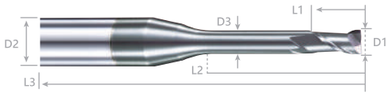
型號 Type NO.	直徑 D1	柄徑 D2	頸徑 D3	R角 R	刃長 L1	有效長 L2	全長 L3
UNER201003	2.0	4	1.92	0.3	3	10	50
UNER201203	2.0	4	1.92	0.3	3	12	50
UNER201403	2.0	4	1.92	0.3	3	14	50
UNER201503	2.0	4	1.92	0.3	3	15	50
UNER201603	2.0	4	1.92	0.3	3	16	50
UNER201803	2.0	4	1.92	0.3	3	18	50
UNER202003	2.0	4	1.92	0.3	3	20	50
UNER250801	2.5	4	2.40	0.1	3	8	50
UNER251001	2.5	4	2.40	0.1	3	10	50
UNER251201	2.5	4	2.40	0.1	3	12	50
UNER251401	2.5	4	2.40	0.1	3	14	50
UNER251501	2.5	4	2.40	0.1	3	15	50
UNER251601	2.5	4	2.40	0.1	3	16	50
UNER251801	2.5	4	2.40	0.1	3	18	50
UNER252001	2.5	4	2.40	0.1	3	20	50
UNER250802	2.5	4	2.40	0.2	3	8	50
UNER251002	2.5	4	2.40	0.2	3	10	50
UNER251202	2.5	4	2.40	0.2	3	12	50
UNER251402	2.5	4	2.40	0.2	3	14	50
UNER251502	2.5	4	2.40	0.2	3	15	50
UNER251602	2.5	4	2.40	0.2	3	16	50
UNER251802	2.5	4	2.40	0.2	3	18	50
UNER252002	2.5	4	2.40	0.2	3	20	50
UNER250803	2.5	4	2.40	0.3	3	8	50
UNER251003	2.5	4	2.40	0.3	3	10	50
UNER251203	2.5	4	2.40	0.3	3	12	50
UNER251403	2.5	4	2.40	0.3	3	14	50
UNER251503	2.5	4	2.40	0.3	3	15	50
UNER251603	2.5	4	2.40	0.3	3	16	50
UNER251803	2.5	4	2.40	0.3	3	18	50
UNER252003	2.5	4	2.40	0.3	3	20	50
UNER300801	3.0	6	2.90	0.1	4	8	50
UNER301001	3.0	6	2.90	0.1	4	10	50
UNER301201	3.0	6	2.90	0.1	4	12	50
UNER301401	3.0	6	2.90	0.1	4	14	50
UNER301501	3.0	6	2.90	0.1	4	15	50
UNER301601	3.0	6	2.90	0.1	4	16	50
UNER301801	3.0	6	2.90	0.1	4	18	60
UNER302001	3.0	6	2.90	0.1	4	20	60
UNER302201	3.0	6	2.90	0.1	4	22	60
UNER302501	3.0	6	2.90	0.1	4	25	60
UNER300802	3.0	6	2.90	0.2	4	8	50
UNER301002	3.0	6	2.90	0.2	4	10	50
UNER301202	3.0	6	2.90	0.2	4	12	50
UNER301402	3.0	6	2.90	0.2	4	14	50
UNER301502	3.0	6	2.90	0.2	4	15	50
UNER301602	3.0	6	2.90	0.2	4	16	50
UNER301802	3.0	6	2.90	0.2	4	18	60
UNER302002	3.0	6	2.90	0.2	4	20	60
UNER302202	3.0	6	2.90	0.2	4	22	60
UNER302502	3.0	6	2.90	0.2	4	25	60
UNER300803	3.0	6	2.90	0.3	4	8	50
UNER301003	3.0	6	2.90	0.3	4	10	50
UNER301203	3.0	6	2.90	0.3	4	12	50
UNER301403	3.0	6	2.90	0.3	4	14	50
UNER301503	3.0	6	2.90	0.3	4	15	50
UNER301603	3.0	6	2.90	0.3	4	16	50
UNER301803	3.0	6	2.90	0.3	4	18	60
UNER302003	3.0	6	2.90	0.3	4	20	60
UNER302203	3.0	6	2.90	0.3	4	22	60
UNER302503	3.0	6	2.90	0.3	4	25	60

UDE

Super MG | 0.2 μm | 35° | 2 Flutes | HRc ▸65 | G15

深溝用立銑刀 End Mills

Long Neck



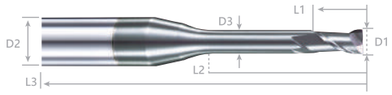
型號 Type NO.	直徑 D1	柄徑 D2	頸徑 D3	刃長 L1	有效長 L2	全長 L3
UDE0201	0.2	4	0.18	0.3	1	50
UDE0202	0.2	4	0.18	0.3	2	50
UDE0301	0.3	4	0.26	0.4	1	50
UDE0302	0.3	4	0.26	0.4	2	50
UDE0303	0.3	4	0.26	0.4	3	50
UDE0402	0.4	4	0.36	0.6	2	50
UDE0403	0.4	4	0.36	0.6	3	50
UDE0404	0.4	4	0.36	0.6	4	50
UDE0502	0.5	4	0.46	0.8	2	50
UDE0503	0.5	4	0.46	0.8	3	50
UDE0504	0.5	4	0.46	0.8	4	50
UDE0505	0.5	4	0.46	0.8	5	50
UDE0506	0.5	4	0.46	0.8	6	50
UDE0602	0.6	4	0.55	0.9	2	50
UDE0603	0.6	4	0.55	0.9	3	50
UDE0604	0.6	4	0.55	0.9	4	50
UDE0605	0.6	4	0.55	0.9	5	50
UDE0606	0.6	4	0.55	0.9	6	50
UDE0608	0.6	4	0.55	0.9	8	50
UDE0702	0.7	4	0.65	1	2	50
UDE0703	0.7	4	0.65	1	3	50
UDE0704	0.7	4	0.65	1	4	50
UDE0705	0.7	4	0.65	1	5	50
UDE0706	0.7	4	0.65	1	6	50
UDE0708	0.7	4	0.65	1	8	50
UDE0802	0.8	4	0.75	1.2	2	50
UDE0803	0.8	4	0.75	1.2	3	50
UDE0804	0.8	4	0.75	1.2	4	50
UDE0805	0.8	4	0.75	1.2	5	50
UDE0806	0.8	4	0.75	1.2	6	50
UDE0807	0.8	4	0.75	1.2	7	50
UDE0808	0.8	4	0.75	1.2	8	50
UDE0810	0.8	4	0.75	1.2	10	50
UDE1004	1.0	4	0.95	1.5	4	50
UDE1005	1.0	4	0.95	1.5	5	50
UDE1006	1.0	4	0.95	1.5	6	50
UDE1007	1.0	4	0.95	1.5	7	50
UDE1008	1.0	4	0.95	1.5	8	50
UDE1009	1.0	4	0.95	1.5	9	50
UDE1010	1.0	4	0.95	1.5	10	50
UDE1012	1.0	4	0.95	1.5	12	50
UDE1204	1.2	4	1.15	1.8	4	50
UDE1205	1.2	4	1.15	1.8	5	50
UDE1206	1.2	4	1.15	1.8	6	50

UDE

Super MG | 0.2 μm | 35° | 2 Flutes | HRc ▸65 | G15

深溝用立銑刀 End Mills

Long Neck



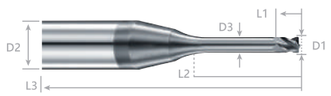
型號 Type NO.	直徑 D1	柄徑 D2	頸徑 D3	刃長 L1	有效長 L2	全長 L3
UDE1207	1.2	4	1.15	1.8	7	50
UDE1208	1.2	4	1.15	1.8	8	50
UDE1209	1.2	4	1.15	1.8	9	50
UDE1210	1.2	4	1.15	1.8	10	50
UDE1212	1.2	4	1.15	1.8	12	50
UDE1506	1.5	4	1.44	2	6	50
UDE1507	1.5	4	1.44	2	7	50
UDE1508	1.5	4	1.44	2	8	50
UDE1509	1.5	4	1.44	2	9	50
UDE1510	1.5	4	1.44	2	10	50
UDE1512	1.5	4	1.44	2	12	50
UDE1514	1.5	4	1.44	2	14	50
UDE1515	1.5	4	1.44	2	15	50
UDE1516	1.5	4	1.44	2	16	50
UDE2006	2.0	4	1.92	3	6	50
UDE2007	2.0	4	1.92	3	7	50
UDE2008	2.0	4	1.92	3	8	50
UDE2009	2.0	4	1.92	3	9	50
UDE2010	2.0	4	1.92	3	10	50
UDE2012	2.0	4	1.92	3	12	50
UDE2014	2.0	4	1.92	3	14	50
UDE2015	2.0	4	1.92	3	15	50
UDE2016	2.0	4	1.92	3	16	50
UDE2018	2.0	4	1.92	3	18	50
UDE2020	2.0	4	1.92	3	20	50
UDE2508	2.5	4	2.4	3	8	50
UDE2509	2.5	4	2.4	3	9	50
UDE2510	2.5	4	2.4	3	10	50
UDE2512	2.5	4	2.4	3	12	50
UDE2514	2.5	4	2.4	3	14	50
UDE2515	2.5	4	2.4	3	15	50
UDE2516	2.5	4	2.4	3	16	50
UDE2518	2.5	4	2.4	3	18	50
UDE2520	2.5	4	2.4	3	20	50
UDE3008	3.0	6	2.9	4	8	50
UDE3009	3.0	6	2.9	4	9	50
UDE3010	3.0	6	2.9	4	10	50
UDE3012	3.0	6	2.9	4	12	50
UDE3014	3.0	6	2.9	4	14	50
UDE3015	3.0	6	2.9	4	15	50
UDE3016	3.0	6	2.9	4	16	50
UDE3018	3.0	6	2.9	4	18	60
UDE3020	3.0	6	2.9	4	20	60
UDE3022	3.0	6	2.9	4	22	60
UDE3025	3.0	6	2.9	4	25	60

UXE

Super MG | 0.2 μm | 35° | R | 4 Flutes | HRc ▸65 | G15

深溝用圓鼻立銑刀 End Mills

Long Neck Corner Radius



型號 Type NO.	直徑 D1	柄徑 D2	頸徑 D3	R角 R	刃長 L1	有效長 L2	全長 L3
UXE100401	1.0	6	0.95	0.1	1.5	4	50
UXE100601	1.0	6	0.95	0.1	1.5	6	50
UXE100801	1.0	6	0.95	0.1	1.5	8	50
UXE101001	1.0	6	0.95	0.1	1.5	10	50
UXE101201	1.0	6	0.95	0.1	1.5	12	50
UXE100402	1.0	6	0.95	0.2	1.5	4	50
UXE100602	1.0	6	0.95	0.2	1.5	6	50
UXE100802	1.0	6	0.95	0.2	1.5	8	50
UXE101002	1.0	6	0.95	0.2	1.5	10	50
UXE101202	1.0	6	0.95	0.2	1.5	12	50
UXE150401	1.5	6	1.44	0.1	1.5	4	50
UXE150601	1.5	6	1.44	0.1	1.5	6	50
UXE150801	1.5	6	1.44	0.1	1.5	8	50
UXE151001	1.5	6	1.44	0.1	1.5	10	50
UXE151201	1.5	6	1.44	0.1	1.5	12	50
UXE150402	1.5	6	1.44	0.2	1.5	4	50
UXE150602	1.5	6	1.44	0.2	1.5	6	50
UXE150802	1.5	6	1.44	0.2	1.5	8	50
UXE151002	1.5	6	1.44	0.2	1.5	10	50
UXE151202	1.5	6	1.44	0.2	1.5	12	50
UXE200801	2.0	6	1.92	0.1	2	8	50
UXE201001	2.0	6	1.92	0.1	2	10	50
UXE201201	2.0	6	1.92	0.1	2	12	50
UXE201601	2.0	6	1.92	0.1	2	16	50
UXE202001	2.0	6	1.92	0.1	2	20	50
UXE200802	2.0	6	1.92	0.2	2	8	50
UXE201002	2.0	6	1.92	0.2	2	10	50
UXE201202	2.0	6	1.92	0.2	2	12	50
UXE201602	2.0	6	1.92	0.2	2	16	50
UXE202002	2.0	6	1.92	0.2	2	20	50
UXE300802	3.0	6	2.90	0.2	3	8	50
UXE301002	3.0	6	2.90	0.2	3	10	50
UXE301202	3.0	6	2.90	0.2	3	12	50
UXE301602	3.0	6	2.90	0.2	3	16	50
UXE302002	3.0	6	2.90	0.2	3	20	50
UXE300803	3.0	6	2.90	0.3	3	8	50
UXE301003	3.0	6	2.90	0.3	3	10	50
UXE301203	3.0	6	2.90	0.3	3	12	50
UXE301603	3.0	6	2.90	0.3	3	16	50
UXE302003	3.0	6	2.90	0.3	3	20	50
UXE401002	4.0	6	3.88	0.2	4	10	50
UXE401202	4.0	6	3.88	0.2	4	12	50
UXE401602	4.0	6	3.88	0.2	4	16	50
UXE402002	4.0	6	3.88	0.2	4	20	60
UXE401003	4.0	6	3.88	0.3	4	10	50
UXE401203	4.0	6	3.88	0.3	4	12	50
UXE401603	4.0	6	3.88	0.3	4	16	50
UXE402003	4.0	6	3.88	0.3	4	20	60

EXCHANGEABLE HEAD ENDMILL 2
HSC & HHC
HIGH PERFORMANCE
UNEQUAL FLUTE SPACING VARIABLE HELIX
MIRCRO DIAMETER LONG NECK
STANDARD SERIES
SOFT MATERIALS
AEROSPACE TITANIUM SERIES
STAINLESS STEEL CUTTING
ECONOMY SERIES
CARBON STEEL CUTTING
GRAPHITE CUTTING
COMPOSITE MATERIALS CUTTING
CARBIDE DRILLS
THREAD MILLING TOOLS
THROW-AWAY INSERT

UMB

Super MG | 0.2 μm | 30° | 2 Flutes | HRc ▸65 | G15

微小徑圓頭立銑刀
Ball Nose End Mills

型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
UMB0022	R0.1	4	0.4	50
UMB0032	R0.15	4	0.6	50
UMB0042	R0.2	4	0.8	50
UMB0052	R0.25	4	1	50
UMB0062	R0.3	4	1.2	50
UMB0072	R0.35	4	1.4	50
UMB0082	R0.4	4	1.6	50
UMB0102S	R0.5	3	2	50
UMB0102	R0.5	4	2	50
UMB0152S	R0.75	3	3	50
UMB0152	R0.75	4	3	50
UMB0202S	R1.0	3	4	50
UMB0202	R1.0	4	4	50
UMB0302S	R1.5	3	6	50
UMB0302	R1.5	4	6	50
UMB0402	R2.0	4	8	50

UME

Super MG | 0.2 μm | 35° | 2 Flutes | HRc ▸65 | G15

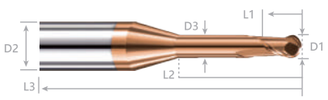
微小徑立銑刀
End Mills

型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
UME0022	0.2	4	0.4	50
UME0032	0.3	4	0.6	50
UME0042	0.4	4	0.8	50
UME0052	0.5	4	1	50
UME0062	0.6	4	1.2	50
UME0072	0.7	4	1.4	50
UME0082	0.8	4	1.6	50
UME0102	1.0	4	2.5	50
UME0122	1.2	4	3	50
UME0152	1.5	4	4	50
UME0162	1.6	4	4	50
UME0182	1.8	4	5	50
UME0202	2.0	4	6	50
UME0252	2.5	4	8	50
UME0302	3.0	4	8	50
UME0402	4.0	4	11	50

LNB

MG | 0.4 μm | 30° | 2 Flutes | HRc ▸60 | G12

深溝用圓鼻立銑刀 Long Neck
Ball Nose End Mills

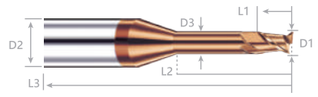


型號 Type NO.	直徑 D1	柄徑 D2	頸徑 D3	刃長 L1	有效長 L2	全長 L3
LNB1006	R0.5	4	0.95	1.5	6	50
LNB1008	R0.5	4	0.95	1.5	8	50
LNB1010	R0.5	4	0.95	1.5	10	50
LNB1012	R0.5	4	0.95	1.5	12	50
LNB1508	R0.75	4	1.45	2	8	50
LNB1510	R0.75	4	1.45	2	10	50
LNB1512	R0.75	4	1.45	2	12	50
LNB1516	R0.75	4	1.45	2	16	50
LNB1520	R0.75	4	1.45	2	20	50
LNB2008	R1.0	4	1.92	3	8	50
LNB2010	R1.0	4	1.92	3	10	50
LNB2012	R1.0	4	1.92	3	12	50
LNB2016	R1.0	4	1.92	3	16	50
LNB2020	R1.0	4	1.92	3	20	50
LNB3008	R1.5	6	2.90	4	8	50
LNB3010	R1.5	6	2.90	4	10	50
LNB3012	R1.5	6	2.90	4	12	50
LNB3016	R1.5	6	2.90	4	16	50
LNB3020	R1.5	6	2.90	4	20	60
LNB3025	R1.5	6	2.90	4	25	60
LNB4012	R2.0	6	3.88	5	12	60
LNB4016	R2.0	6	3.88	5	16	60
LNB4020	R2.0	6	3.88	5	20	60
LNB4025	R2.0	6	3.88	5	25	75
LNB4030	R2.0	6	3.88	5	30	75

LNE

MG | 0.6 μm | 35° | 2 Flutes | HRc ▸60 | G12

深溝用立銑刀 Long Neck
End Mills

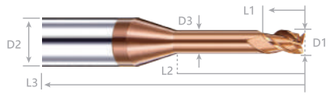


型號 Type NO.	直徑 D1	柄徑 D2	頸徑 D3	刃長 L1	有效長 L2	全長 L3
LNE0502	0.5	4	0.46	0.8	2	50
LNE0504	0.5	4	0.46	0.8	4	50
LNE0506	0.5	4	0.46	0.8	6	50
LNE1006	1.0	4	0.95	1.5	6	50
LNE1008	1.0	4	0.95	1.5	8	50
LNE1010	1.0	4	0.95	1.5	10	50
LNE1012	1.0	4	0.95	1.5	12	50
LNE1508	1.5	4	1.45	2	8	50
LNE1510	1.5	4	1.45	2	10	50
LNE1512	1.5	4	1.45	2	12	50
LNE1516	1.5	4	1.45	2	16	50
LNE2008	2.0	4	1.92	3	8	50
LNE2010	2.0	4	1.92	3	10	50
LNE2012	2.0	4	1.92	3	12	50
LNE2016	2.0	4	1.92	3	16	50
LNE2020	2.0	4	1.92	3	20	50
LNE2510	2.5	4	2.42	3	10	50
LNE2512	2.5	4	2.42	3	12	50
LNE2516	2.5	4	2.42	3	16	50
LNE2520	2.5	4	2.42	3	20	50
LNE3010	3.0	6	2.90	4	10	50
LNE3012	3.0	6	2.90	4	12	50
LNE3016	3.0	6	2.90	4	16	50
LNE3020	3.0	6	2.90	4	20	60
LNE3025	3.0	6	2.90	4	25	60

LNH

MG | 0.6 μm | 35° | 3 Flutes | HRc ▸60 | G12

深溝用立銑刀 Long Neck
End Mills

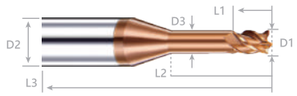


型號 Type NO.	直徑 D1	柄徑 D2	頸徑 D3	刃長 L1	有效長 L2	全長 L3
LNH1006	1.0	4	0.95	1.5	6	50
LNH1008	1.0	4	0.95	1.5	8	50
LNH1010	1.0	4	0.95	1.5	10	50
LNH1012	1.0	4	0.95	1.5	12	50
LNH1508	1.5	4	1.45	2	8	50
LNH1510	1.5	4	1.45	2	10	50
LNH1512	1.5	4	1.45	2	12	50
LNH1516	1.5	4	1.45	2	16	50
LNH2008	2.0	4	1.92	3	8	50
LNH2010	2.0	4	1.92	3	10	50
LNH2012	2.0	4	1.92	3	12	50
LNH2016	2.0	4	1.92	3	16	50
LNH2020	2.0	4	1.92	3	20	50
LNH2510	2.5	4	2.42	3	10	50
LNH2512	2.5	4	2.42	3	12	50
LNH2516	2.5	4	2.42	3	16	50
LNH2520	2.5	4	2.42	3	20	50
LNH3010	3.0	6	2.90	4	10	50
LNH3012	3.0	6	2.90	4	12	50
LNH3016	3.0	6	2.90	4	16	50
LNH3020	3.0	6	2.90	4	20	60
LNH3025	3.0	6	2.90	4	25	60

LNX

MG | 0.6 μm | 35° | 4 Flutes | HRc ▸60 | G12

深溝用立銑刀 Long Neck
End Mills



型號 Type NO.	直徑 D1	柄徑 D2	頸徑 D3	刃長 L1	有效長 L2	全長 L3
LNX1006	1.0	4	0.95	1.5	6	50
LNX1008	1.0	4	0.95	1.5	8	50
LNX1010	1.0	4	0.95	1.5	10	50
LNX1012	1.0	4	0.95	1.5	12	50
LNX1508	1.5	4	1.45	2	8	50
LNX1510	1.5	4	1.45	2	10	50
LNX1512	1.5	4	1.45	2	12	50
LNX1516	1.5	4	1.45	2	16	50
LNX2008	2.0	4	1.92	3	8	50
LNX2010	2.0	4	1.92	3	10	50
LNX2012	2.0	4	1.92	3	12	50
LNX2016	2.0	4	1.92	3	16	50
LNX2020	2.0	4	1.92	3	20	50
LNX2510	2.5	4	2.42	3	10	50
LNX2512	2.5	4	2.42	3	12	50
LNX2516	2.5	4	2.42	3	16	50
LNX2520	2.5	4	2.42	3	20	50
LNX3010	3.0	6	2.90	4	10	50
LNX3012	3.0	6	2.90	4	12	50
LNX3016	3.0	6	2.90	4	16	50
LNX3020	3.0	6	2.90	4	20	60
LNX3025	3.0	6	2.90	4	25	60

EXCHANGEABLE HEAD ENDMILL 2
HSC & HHC
HIGH PERFORMANCE
UNEQUAL FLUTE SPACING VARIABLE HELIX
MIRCRO DIAMETER LONG NECK
STANDARD SERIES
SOFT MATERIALS
AEROSPACE TITANIUM SERIES
STAINLESS STEEL CUTTING
ECONOMY SERIES
CARBON STEEL CUTTING
GRAPHITE CUTTING
COMPOSITE MATERIALS CUTTING
CARBIDE DRILLS
THREAD MILLING TOOLS
THROW-AWAY INSERT

標準 - 一般鋼材切削

STANDARD SERIES

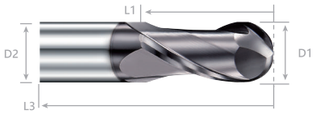
產品型式及尺寸規格多樣化且齊全 , 泛用於一般鋼材的加工與切削。
其中「ETB-4T」因為具有優良品質以及高度價格競爭力，已成為德信發全世界刀具銷售量最高的產品型號。

The product types and sizes are diverse and comprehensive. It is most commonly used in machining general steels. Among them, “ETB-4T” became DHF’s best-selling product due to high quality, consistency, durability, and price competitiveness.

BTA 2T

MG | 0.6 μm | 30° | 2 Flutes | HRc ▸55 | T1

超微粒圓頭立銑刀
Ball Nose End Mills

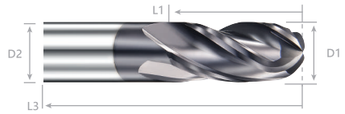


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
BTA0102	R0.5	4	2	50
BTA0152	R0.75	4	3	50
BTA0202	R1.0	4	4	50
BTA0252	R1.25	4	5	50
BTA0302	R1.5	4	6	50
BTA0402	R2.0	4	8	50
BTA0502	R2.5	6	10	50
BTA0602	R3.0	6	12	50
BTA0802	R4.0	8	16	60
BTA1002	R5.0	10	20	75
BTA1202	R6.0	12	24	75
BTA1602	R8.0	16	32	100
BTA2002	R10.0	20	40	100

BTA 4T

MG | 0.6 μm | 30° | 4 Flutes | HRc ▸55 | T1

超微粒圓頭立銑刀
Ball Nose End Mills

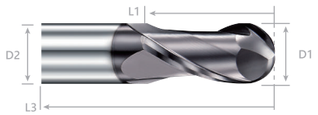


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
BTA0104	R0.5	4	2	50
BTA0154	R0.75	4	3	50
BTA0204	R1.0	4	4	50
BTA0304	R1.5	4	6	50
BTA0404	R2.0	4	8	50
BTA0504	R2.5	6	10	50
BTA0604	R3.0	6	12	50
BTA0804	R4.0	8	16	60
BTA1004	R5.0	10	20	75
BTA1204	R6.0	12	24	75
BTA1604	R8.0	16	32	100

BTB 2T

MG | 0.6 μm | 30° | 2 Flutes | HRc ▸55 | T2

超微粒圓頭立銑刀
Ball Nose End Mills

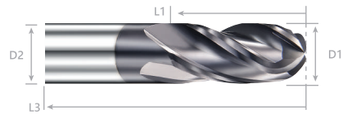


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
BTB0102	R0.5	6	2	50
BTB0152	R0.75	6	3	50
BTB0202	R1.0	6	4	50
BTB0252	R1.25	6	5	50
BTB0302	R1.5	6	6	50
BTB0402	R2.0	6	8	50
BTB0502	R2.5	6	10	50
BTB0602	R3.0	6	12	50
BTB0802	R4.0	8	16	60
BTB1002	R5.0	10	20	75
BTB1202	R6.0	12	24	75
BTB1602	R8.0	16	32	100
BTB2002	R10.0	20	40	100

BTB 4T

MG | 0.6 μm | 30° | 4 Flutes | HRc ▸60 | T2

超微粒圓頭立銑刀
Ball Nose End Mills

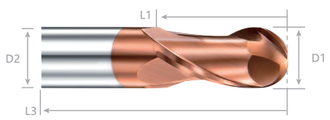


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
BTB0204	R1.0	6	4	50
BTB0304	R1.5	6	6	50
BTB0404	R2.0	6	8	50
BTB0504	R2.5	6	10	50
BTB0604	R3.0	6	12	50
BTB0804	R4.0	8	16	60
BTB1004	R5.0	10	20	75
BTB1204	R6.0	12	24	75
BTB1604	R8.0	16	32	100

BTD 2T

MG | 0.6 μm | 30° | 2 Flutes | HRc ▸55 | G10

超微粒圓頭立銑刀
Ball Nose End Mills

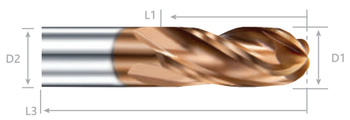


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
BTD0102	R0.5	4	2	50
BTD0152	R0.75	4	3	50
BTD0202	R1.0	4	4	50
BTD0252	R1.25	4	5	50
BTD0302	R1.5	4	6	50
BTD0402	R2.0	4	8	50
BTD0502	R2.5	6	10	57
BTD0602	R3.0	6	12	57
BTD0802	R4.0	8	16	63
BTD1002	R5.0	10	20	72
BTD1202	R6.0	12	24	83
BTD1602	R8.0	16	32	100
BTD2002	R10.0	20	40	100

BTD 4T

MG | 0.6 μm | 30° | 4 Flutes | HRc ▸55 | G10

超微粒圓頭立銑刀
Ball Nose End Mills

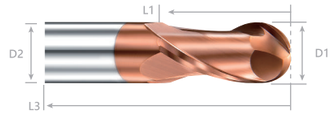


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
BTD0104	R0.5	4	2	50
BTD0154	R0.75	4	3	50
BTD0204	R1.0	4	4	50
BTD0304	R1.5	4	6	50
BTD0404	R2.0	4	8	50
BTD0504	R2.5	6	10	57
BTD0604	R3.0	6	12	57
BTD0804	R4.0	8	16	63
BTD1004	R5.0	10	20	72
BTD1204	R6.0	12	24	83
BTD1604	R8.0	16	32	100

BTH 2T

MG | 0.6 μm | 30° | 2 Flutes | HRc ▸55 | G10

超微粒圓頭立銑刀
Ball Nose End Mills

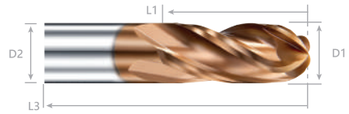


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
BTH0102	R0.5	6	2	50
BTH0152	R0.75	6	3	50
BTH0202	R1.0	6	4	50
BTH0252	R1.25	6	5	50
BTH0302	R1.5	6	6	50
BTH0402	R2.0	6	8	50
BTH0502	R2.5	6	10	50
BTH0602	R3.0	6	12	50
BTH0802	R4.0	8	16	60
BTH1002	R5.0	10	20	75
BTH1202	R6.0	12	24	75
BTH1602	R8.0	16	32	100
BTH2002	R10.0	20	40	100

BTH 4T

MG | 0.6 μm | 30° | 4 Flutes | HRc ▸60 | G10

超微粒圓頭立銑刀
Ball Nose End Mills

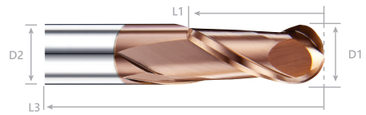


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
BTH0204	R1.0	6	4	50
BTH0304	R1.5	6	6	50
BTH0404	R2.0	6	8	50
BTH0504	R2.5	6	10	50
BTH0604	R3.0	6	12	50
BTH0804	R4.0	8	16	60
BTH1004	R5.0	10	20	75
BTH1204	R6.0	12	24	75
BTH1604	R8.0	16	32	100

BTG

MG | 0.6 μm | 30° | 2 Flutes | HRc ▸55 | G13

超微粒圓頭立銑刀
Ball Nose End Mills



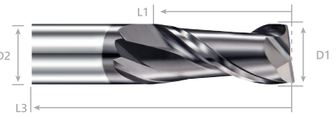
型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
BTG0102	R0.5	4	2	50
BTG0102B	R0.5	6	2	50
BTG0152	R0.75	4	3	50
BTG0152B	R0.75	6	3	50
BTG0202	R1.0	4	4	50
BTG0202B	R1.0	6	4	50
BTG0302	R1.5	4	6	50
BTG0302B	R1.5	6	6	50
BTG0402	R2.0	4	8	50
BTG0402B	R2.0	6	8	50
BTG0502	R2.5	6	10	50
BTG0602	R3.0	6	12	50
BTG0602M	R3.0	6	12	75
BTG0602L	R3.0	6	12	100
BTG0802	R4.0	8	16	60
BTG0802M	R4.0	8	16	75
BTG0802L	R4.0	8	16	100
BTG1002	R5.0	10	20	75
BTG1002L	R5.0	10	20	100
BTG1202	R6.0	12	24	75
BTG1202L	R6.0	12	24	100
BTG1602	R8.0	16	32	100
BTG1602XL	R8.0	16	32	150

EXCHANGEABLE HEAD ENDMILL 2
HSC & HHC
HIGH PERFORMANCE
UNEQUAL FLUTE SPACING VARIABLE HELIX
MIRCRO DIAMETER LONG NECK
STANDARD SERIES
SOFT MATERIALS
AEROSPACE TITANIUM SERIES
STAINLESS STEEL CUTTING
ECONOMY SERIES
CARBON STEEL CUTTING
GRAPHITE CUTTING
COMPOSITE MATERIALS CUTTING
CARBIDE DRILLS
THREAD MILLING TOOLS
THROW-AWAY INSERT

ETA 2T

MG | 0.6 μm | 35° | 2 Flutes | HRc ▸55 | T1

超微粒立銑刀
End Mills

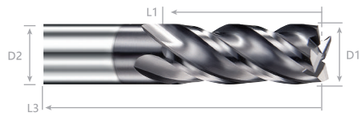


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
ETA0102	1.0	4	3	50
ETA0152	1.5	4	4	50
ETA0202	2.0	4	6	50
ETA0252	2.5	4	8	50
ETA0302S	3.0	3	8	50
ETA0302	3.0	4	8	50
ETA0402	4.0	4	11	50
ETA0502S	5.0	5	13	50
ETA0502	5.0	6	13	50
ETA0602	6.0	6	16	50
ETA0802	8.0	8	20	60
ETA1002	10.0	10	25	75
ETA1202	12.0	12	30	75
ETA1602	16.0	16	40	100
ETA2002	20.0	20	45	100

ETA 4T

MG | 0.6 μm | 35° | 4 Flutes | HRc ▸55 | T1

超微粒立銑刀
End Mills

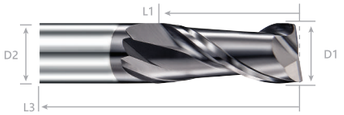


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
ETA0104	1.0	4	3	50
ETA0154	1.5	4	4	50
ETA0204	2.0	4	6	50
ETA0254	2.5	4	8	50
ETA0304S	3.0	3	8	50
ETA0304	3.0	4	8	50
ETA0404	4.0	4	11	50
ETA0504S	5.0	5	13	50
ETA0504	5.0	6	13	50
ETA0604	6.0	6	16	50
ETA0804	8.0	8	20	60
ETA1004	10.0	10	25	75
ETA1204	12.0	12	30	75
ETA1604	16.0	16	40	100
ETA2004	20.0	20	45	100

ETB 2T

Super MG | 0.4 μm | 35° | 2 Flutes | HRc ▸60 | T2

極超微粒立銑刀
End Mills

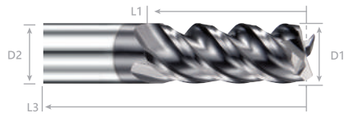


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
ETB0102	1.0	6	3	50
ETB0152	1.5	6	4	50
ETB0202	2.0	6	6	50
ETB0252	2.5	6	8	50
ETB0302	3.0	6	8	50
ETB0402	4.0	6	11	50
ETB0502	5.0	6	13	50
ETB0602	6.0	6	16	50
ETB0802	8.0	8	20	60
ETB1002	10.0	10	30	75
ETB1202	12.0	12	30	75
ETB1602	16.0	16	40	100
ETB2002	20.0	20	45	100

ETB 4T

Super MG | 0.4 μm | 45° | 4 Flutes | HRc ▸60 | T2

極超微粒立銑刀
End Mills

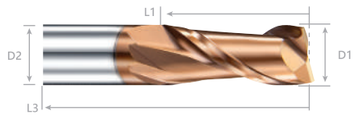


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
ETB0104	1.0	4	3	50
ETB0154	1.5	4	4	50
ETB0204S	2.0	4	6	50
ETB0204	2.0	6	6	50
ETB0254S	2.5	4	8	50
ETB0254	2.5	6	8	50
ETB0304S	3.0	4	8	50
ETB0304	3.0	6	8	50
ETB0354	3.5	6	10	50
ETB0404S	4.0	4	11	50
ETB0404	4.0	6	11	50
ETB0454	4.5	6	11	50
ETB0504	5.0	6	13	50
ETB0604	6.0	6	16	50
ETB0804	8.0	8	20	60
ETB1004Z	10.0	10	25	75
ETB1004	10.0	10	30	75
ETB1204	12.0	12	30	75
ETB1604	16.0	16	40	100
ETB2004	20.0	20	45	100

ETG 2T

MG | 0.6 μm | 35° | 2 Flutes | HRc ▸55 | G10

超微粒立銑刀
End Mills

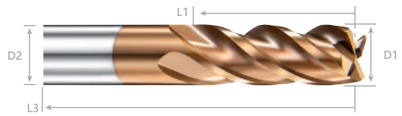


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
ETG0102	1.0	4	3	50
ETG0152	1.5	4	4	50
ETG0202	2.0	4	6	50
ETG0252	2.5	4	8	50
ETG0302	3.0	4	8	50
ETG0402	4.0	4	11	50
ETG0502	5.0	6	13	50
ETG0602	6.0	6	16	50
ETG0802	8.0	8	20	60
ETG1002	10.0	10	25	75
ETG1202	12.0	12	30	75

ETG 4T

MG | 0.6 μm | 35° | 4 Flutes | HRc ▸55 | G10

超微粒立銑刀
End Mills

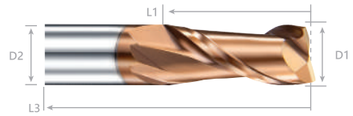


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
ETG0104	1.0	4	3	50
ETG0154	1.5	4	4	50
ETG0204	2.0	4	6	50
ETG0254	2.5	4	8	50
ETG0304	3.0	4	8	50
ETG0404	4.0	4	11	50
ETG0504	5.0	6	13	50
ETG0604	6.0	6	16	50
ETG0804	8.0	8	20	60
ETG1004	10.0	10	25	75
ETG1204	12.0	12	30	75
ETG1604	16.0	16	40	100

ETD 2T

MG | 0.6 μm | 35° | 2 Flutes | HRc ▸55 | G10

超微粒立銑刀
End Mills

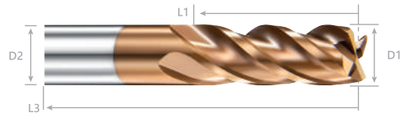


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
ETD0102	1.0	4	3	50
ETD0152	1.5	4	4	50
ETD0202	2.0	4	6	50
ETD0252	2.5	4	8	50
ETD0302S	3.0	3	8	50
ETD0302	3.0	4	8	50
ETD0402	4.0	4	11	50
ETD0502S	5.0	5	13	50
ETD0502	5.0	6	13	57
ETD0602	6.0	6	16	57
ETD0802	8.0	8	20	63
ETD1002	10.0	10	25	72
ETD1202	12.0	12	30	83
ETD1602	16.0	16	40	100
ETD2002	20.0	20	45	100

ETD 4T

MG | 0.6 μm | 35° | 4 Flutes | HRc ▸55 | G10

超微粒立銑刀
End Mills

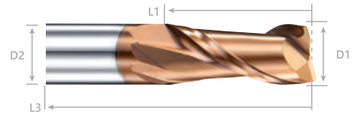


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
ETD0104	1.0	4	3	50
ETD0154	1.5	4	4	50
ETD0204	2.0	4	6	50
ETD0254	2.5	4	8	50
ETD0304S	3.0	3	8	50
ETD0304	3.0	4	8	50
ETD0404	4.0	4	11	50
ETD0504S	5.0	5	13	50
ETD0504	5.0	6	13	57
ETD0604	6.0	6	16	57
ETD0804	8.0	8	20	63
ETD1004	10.0	10	25	72
ETD1204	12.0	12	30	83
ETD1604	16.0	16	40	100
ETD2004	20.0	20	45	100

ETH 2T

Super MG | 0.4 μm | 35° | 2 Flutes | HRc ▸60 | G10

極超微粒立銑刀
End Mills

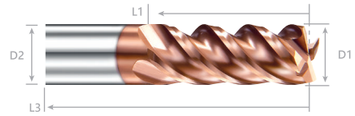


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
ETH0102	1.0	6	3	50
ETH0152	1.5	6	4	50
ETH0202	2.0	6	6	50
ETH0252	2.5	6	8	50
ETH0302	3.0	6	8	50
ETH0352	3.5	6	10	50
ETH0402	4.0	6	11	50
ETH0452	4.5	6	13	50
ETH0502	5.0	6	13	50
ETH0552	5.5	6	13	50
ETH0602	6.0	6	16	50
ETH0652	6.5	8	16	60
ETH0702	7.0	8	16	60
ETH0752	7.5	8	19	60
ETH0802	8.0	8	20	60
ETH0852	8.5	10	20	75
ETH0902	9.0	10	22	75
ETH0952	9.5	10	25	75
ETH1002	10.0	10	30	75
ETH1052	10.5	12	25	75
ETH1102	11.0	12	28	75
ETH1152	11.5	12	30	75
ETH1202	12.0	12	30	75
ETH1252	12.5	14	30	80
ETH1302	13.0	14	35	80
ETH1352	13.5	14	35	80
ETH1402	14.0	14	40	80
ETH1502	15.0	16	40	100
ETH1602	16.0	16	40	100
ETH1702	17.0	18	45	100
ETH1802	18.0	18	45	100
ETH2002	20.0	20	45	100

ETH 4T

Super MG | 0.4 μm | 45° | 4 Flutes | HRc ▸60 | G10

極超微粒立銑刀
End Mills



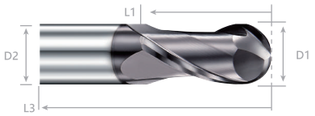
型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
ETH0104	1.0	4	3	50
ETH0154	1.5	4	4	50
ETH0204	2.0	4	6	50
ETH0254	2.5	4	8	50
ETH0304S	3.0	3	8	50
ETH0304	3.0	4	8	50
ETH0354	3.5	4	10	50
ETH0404	4.0	4	11	50
ETH0454	4.5	6	13	50
ETH0504S	5.0	5	13	50
ETH0504	5.0	6	13	50
ETH0554	5.5	6	13	50
ETH0604	6.0	6	16	50
ETH0654	6.5	8	16	60
ETH0704	7.0	8	16	60
ETH0754	7.5	8	19	60
ETH0804	8.0	8	20	60
ETH0854	8.5	10	20	75
ETH0904	9.0	10	22	75
ETH0954	9.5	10	25	75
ETH1004	10.0	10	30	75
ETH1054	10.5	12	25	75
ETH1104	11.0	12	28	75
ETH1154	11.5	12	30	75
ETH1204	12.0	12	30	75
ETH1254	12.5	14	30	80
ETH1304	13.0	14	35	80
ETH1354	13.5	14	35	80
ETH1404	14.0	14	40	80
ETH1504	15.0	16	40	100
ETH1604	16.0	16	40	100
ETH1704	17.0	18	45	100
ETH1804	18.0	18	45	100
ETH2004	20.0	20	45	100

EXCHANGEABLE HEAD ENDMILL 2
HSC & HHC
HIGH PERFORMANCE
UNEQUAL FLUTE SPACING VARIABLE HELIX
MIRCRO DIAMETER LONG NECK
STANDER SERIES
SOFT MATERIALS
AEROSPACE TITANIUM SERIES
STAINLESS STEEL CUTTING
ECONOMY SERIES
CARBON STEEL CUTTING
GRAPHITE CUTTING
COMPOSITE MATERIALS CUTTING
CARBIDE DRILLS
THREAD MILLING TOOLS
THROW-AWAY INSERT

HBA IBA JBA

MG 0.6 μm 30° 2Flutes HRc ▸55 T1

超微粒長柄圓頭立銑刀 **Ball Nose End Mills** — Long Shank

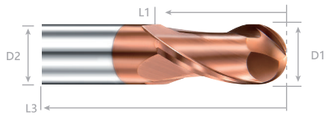


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
HBA0202	R1.0	6	4	75
HBA0252	R1.25	6	5	75
HBA0302	R1.5	6	6	75
HBA0402	R2.0	6	8	75
HBA0502	R2.5	6	10	75
HBA0602	R3.0	6	12	75
HBA0802	R4.0	8	16	75
IBA0202	R1.0	6	4	100
IBA0302	R1.5	6	6	100
IBA0402	R2.0	6	8	100
IBA0602	R3.0	6	12	100
IBA0802	R4.0	8	16	100
IBA1002	R5.0	10	20	100
IBA1202	R6.0	12	24	100
JBA0602	R3.0	6	12	150
JBA0802	R4.0	8	16	150
JBA1002	R5.0	10	20	150
JBA1202	R6.0	12	24	150
JBA1602	R8.0	16	32	150

HBH IBH JBH

MG 0.6 μm 30° 2Flutes HRc ▸55 G10

超微粒長柄圓頭立銑刀 **Ball Nose End Mills** — Long Shank

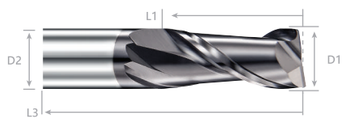


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
HBH0202	R1.0	6	4	75
HBH0252	R1.25	6	5	75
HBH0302	R1.5	6	6	75
HBH0402	R2.0	6	8	75
HBH0502	R2.5	6	10	75
HBH0602	R3.0	6	12	75
HBH0802	R4.0	8	16	75
IBH0202	R1.0	6	4	100
IBH0302	R1.5	6	6	100
IBH0402	R2.0	6	8	100
IBH0602	R3.0	6	12	100
IBH0802	R4.0	8	16	100
IBH1002	R5.0	10	20	100
IBH1202	R6.0	12	24	100
JBH0602	R3.0	6	12	150
JBH0802	R4.0	8	16	150
JBH1002	R5.0	10	20	150
JBH1202	R6.0	12	24	150
JBH1602	R8.0	16	32	150

HEA IEA JEA 2T

MG 0.6 μm 35° 2Flutes HRc ▸55 T1

超微粒長柄立銑刀 **End Mills** — Long Shank

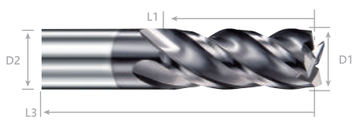


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
HEA0302	3.0	3	8	75
HEA0402	4.0	4	11	75
HEA0502	5.0	6	13	75
HEA0602	6.0	6	16	75
HEA0802	8.0	8	20	75
IEA0302	3.0	3	8	100
IEA0402	4.0	4	11	100
IEA0502	5.0	6	13	100
IEA0602	6.0	6	16	100
IEA0802	8.0	8	20	100
IEA1002	10.0	10	25	100
IEA1202	12.0	12	30	100
JEA0602	6.0	6	16	150
JEA0802	8.0	8	20	150
JEA1002	10.0	10	25	150
JEA1202	12.0	12	30	150

HEA IEA JEA 4T

MG 0.6 μm 35° 4Flutes HRc ▸55 T1

超微粒長柄立銑刀 **End Mills** — Long Shank

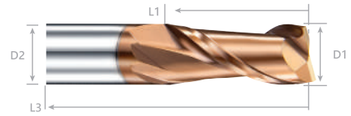


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
HEA0304	3.0	3	8	75
HEA0404	4.0	4	11	75
HEA0504	5.0	6	13	75
HEA0604	6.0	6	16	75
HEA0804	8.0	8	20	75
IEA0404	4.0	4	11	100
IEA0604	6.0	6	16	100
IEA0804	8.0	8	20	100
IEA1004	10.0	10	25	100
IEA1204	12.0	12	30	100
JEA0604	6.0	6	16	150
JEA0804	8.0	8	20	150
JEA1004	10.0	10	25	150
JEA1204	12.0	12	30	150
JEA1604	16.0	16	45	150
JEA2004	20.0	20	50	150

HEH IEH JEH 2T

MG 0.6 μm 35° 2Flutes HRc ▸55 G10

超微粒長柄立銑刀 **End Mills** — Long Shank

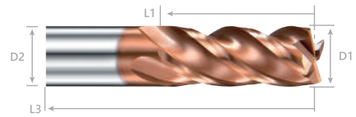


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
HEH0302	3.0	3	8	75
HEH0402	4.0	4	11	75
HEH0502	5.0	6	13	75
HEH0602	6.0	6	16	75
HEH0802	8.0	8	20	75
IEH0302	3.0	3	8	100
IEH0402	4.0	4	11	100
IEH0502	5.0	6	13	100
IEH0602	6.0	6	16	100
IEH0802	8.0	8	20	100
IEH1002	10.0	10	25	100
IEH1202	12.0	12	30	100
JEH0602	6.0	6	16	150
JEH0802	8.0	8	20	150
JEH1002	10.0	10	25	150
JEH1202	12.0	12	30	150

HEH IEH JEH 4T

MG 0.6 μm 35° 4Flutes HRc ▸55 G10

超微粒長柄立銑刀 **End Mills** — Long Shank

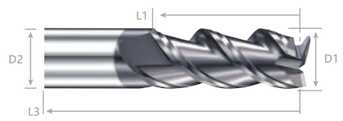


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
HEH0304	3.0	3	8	75
HEH0404	4.0	4	11	75
HEH0504	5.0	6	13	75
HEH0604	6.0	6	16	75
HEH0804	8.0	8	20	75
IEH0404	4.0	4	11	100
IEH0604	6.0	6	16	100
IEH0804	8.0	8	20	100
IEH1004	10.0	10	25	100
IEH1204	12.0	12	30	100
JEH0604	6.0	6	16	150
JEH0804	8.0	8	20	150
JEH1004	10.0	10	25	150
JEH1204	12.0	12	30	150
JEH1604	16.0	16	45	150
JEH2004	20.0	20	50	150

HTA

MG 0.6 μm 45° 3Flutes HRc ▸60 T2

超微粒高螺旋立銑刀 **End Mills** — High Helix

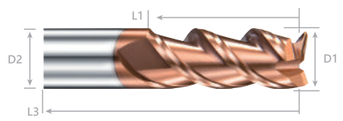


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
HTA0203	2.0	4	6	50
HTA0303	3.0	4	8	50
HTA0403	4.0	4	11	50
HTA0503	5.0	6	13	50
HTA0603	6.0	6	16	50
HTA0803	8.0	8	20	60
HTA1003	10.0	10	25	75
HTA1203	12.0	12	30	75
HTA1603	16.0	16	40	100
HTA2003	20.0	20	45	100

HTD

MG 0.6 μm 45° 3Flutes HRc ▸60 G10

超微粒高螺旋立銑刀 **End Mills** — High Helix

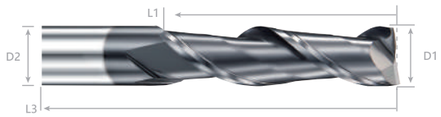


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
HTD0203	2.0	4	6	50
HTD0303	3.0	4	8	50
HTD0403	4.0	4	11	50
HTD0503	5.0	6	13	50
HTD0603	6.0	6	16	50
HTD0803	8.0	8	20	60
HTD1003	10.0	10	25	75
HTD1203	12.0	12	30	75
HTD1603	16.0	16	40	100
HTD2003	20.0	20	45	100

LFTA 2T

MG | 0.6 μm | 35° | 2 Flutes | HRc ▸55 | T2

超微粒長刃立銑刀 End Mills — Long Flute

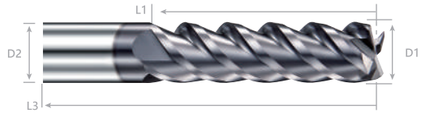


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
LFTA0202	2.0	4	12	50
LFTA0302	3.0	4	20	50
LFTA0302B	3.0	6	15	50
LFTA0402	4.0	4	25	75
LFTA0402B	4.0	6	20	75
LFTA0502	5.0	6	30	75
LFTA0602	6.0	6	30	75
LFTA0802	8.0	8	40	100
LFTA1002	10.0	10	40	100
LFTA1202	12.0	12	45	100

LFTA 4T

MG | 0.6 μm | 45° | 4 Flutes | HRc ▸55 | T2

超微粒長刃立銑刀 End Mills — Long Flute

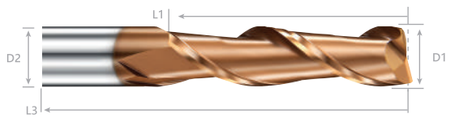


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
LFTA0204	2.0	4	15	50
LFTA0304	3.0	4	20	50
LFTA0304B	3.0	6	15	50
LFTA0404	4.0	4	25	75
LFTA0404B	4.0	6	20	75
LFTA0504	5.0	6	30	75
LFTA0604	6.0	6	30	75
LFTA0804	8.0	8	40	100
LFTA1004	10.0	10	40	100
LFTA1004L	10.0	10	50	100
LFTA1204	12.0	12	45	100
LFTA1204L	12.0	12	50	100
LFTA1604	16.0	16	60	150
LFTA1604L	16.0	16	70	150
LFTA2004	20.0	20	60	150
LFTA2004L	20.0	20	75	150

LFTH 2T

MG | 0.6 μm | 35° | 2 Flutes | HRc ▸55 | G10

超微粒長刃立銑刀 End Mills — Long Flute

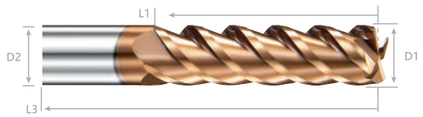


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
LFTH0202	2.0	4	12	50
LFTH0302	3.0	4	20	50
LFTH0402	4.0	4	25	75
LFTH0502	5.0	6	30	75
LFTH0602	6.0	6	30	75
LFTH0802	8.0	8	40	100
LFTH1002	10.0	10	40	100
LFTH1202	12.0	12	45	100

LFTH 4T

MG | 0.6 μm | 45° | 4 Flutes | HRc ▸55 | G10

超微粒長刃立銑刀 End Mills — Long Flute

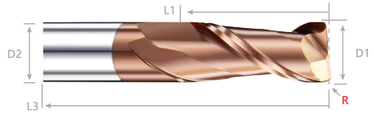


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
LFTH0204	2.0	4	15	50
LFTH0304	3.0	4	20	50
LFTH0404	4.0	4	25	75
LFTH0504	5.0	6	30	75
LFTH0604	6.0	6	30	75
LFTH0804	8.0	8	40	100
LFTH1004	10.0	10	40	100
LFTH1204	12.0	12	45	100
LFTH1604	16.0	16	60	150
LFTH2004	20.0	20	60	150

LRTA

MG | 0.6 μm | 35° | R | 2 Flutes | HRc ▸55 | G10

超微粒長柄圓鼻角立銑刀 End Mills — Long Shank Corner Radius

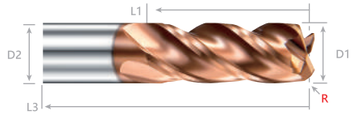


型號 Type NO.	直徑 D1	柄徑 D2	R角 R	刃長 L1	全長 L3
LRTA0405	4.0	4	0.5	11	75
LRTA0410	4.0	4	1.0	11	75
LRTA0602	6.0	6	0.2	16	75
LRTA0603	6.0	6	0.3	16	75
LRTA0605	6.0	6	0.5	16	75
LRTA0610	6.0	6	1.0	16	75
LRTA0803	8.0	8	0.3	19	100
LRTA0805	8.0	8	0.5	19	100
LRTA0810	8.0	8	1.0	19	100
LRTA1002	10.0	10	0.2	25	100
LRTA1003	10.0	10	0.3	25	100
LRTA1005	10.0	10	0.5	25	100
LRTA1010	10.0	10	1.0	25	100
LRTA1020	10.0	10	2.0	25	100
LRTA1205	12.0	12	0.5	30	100
LRTA1210	12.0	12	1.0	30	100
LRTA1220	12.0	12	2.0	30	100

LRTD

MG | 0.6 μm | 35° | R | 4 Flutes | HRc ▸55 | G10

超微粒長柄圓鼻角立銑刀 End Mills — Long Shank Corner Radius

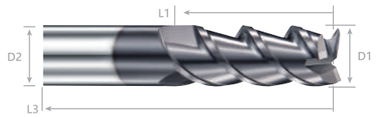


型號 Type NO.	直徑 D1	柄徑 D2	R角 R	刃長 L1	全長 L3
LRTD0405	4.0	4	0.5	11	75
LRTD0410	4.0	4	1.0	11	75
LRTD0602	6.0	6	0.2	16	75
LRTD0603	6.0	6	0.3	16	75
LRTD0605	6.0	6	0.5	16	75
LRTD0610	6.0	6	1.0	16	75
LRTD0803	8.0	8	0.3	19	100
LRTD0805	8.0	8	0.5	19	100
LRTD0810	8.0	8	1.0	19	100
LRTD1002	10.0	10	0.2	25	100
LRTD1003	10.0	10	0.3	25	100
LRTD1005	10.0	10	0.5	25	100
LRTD1010	10.0	10	1.0	25	100
LRTD1020	10.0	10	2.0	25	100
LRTD1205	12.0	12	0.5	30	100
LRTD1210	12.0	12	1.0	30	100
LRTD1220	12.0	12	2.0	30	100
LRTD1610	16.0	16	1.0	45	150
LRTD1620	16.0	16	2.0	45	150

ITA

Super MG | 0.4 μm | 50° | 3 Flutes | HRc ▸60 | T2

極超微粒高螺旋立銑刀 End Mills — High Helix

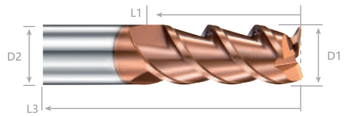


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
ITA0303	3.0	6	8	50
ITA0403	4.0	6	12	50
ITA0603	6.0	6	16	50
ITA0803	8.0	8	20	60
ITA1003	10.0	10	25	75
ITA1203	12.0	12	30	75
ITA1603	16.0	16	45	100
ITA2003	20.0	20	45	100

ITH

Super MG | 0.4 μm | 50° | 3 Flutes | HRc ▸60 | G10

極超微粒高螺旋立銑刀 End Mills — High Helix

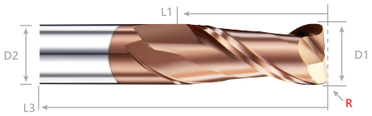


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
ITH0303	3.0	6	8	50
ITH0403	4.0	6	12	50
ITH0603	6.0	6	16	50
ITH0803	8.0	8	20	60
ITH1003	10.0	10	25	75
ITH1203	12.0	12	30	75
ITH1603	16.0	16	45	100
ITH2003	20.0	20	45	100

RTA

MG | 0.6 μm | 35° | R | 2Flutes | HRc ▸55 | G10

超微粒圓鼻角立銑刀 End Mills — Corner Radius

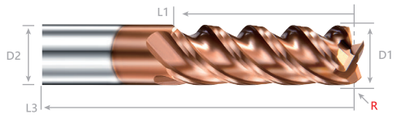


型號 Type NO.	直徑 D1	柄徑 D2	R角 R	刃長 L1	全長 L3
RTA0205	2.0	4	0.5	6	50
RTA0305	3.0	3	0.5	8	50
RTA0405	4.0	4	0.5	10	50
RTA0410	4.0	4	1.0	10	50
RTA0505	5.0	6	0.5	13	50
RTA0510	5.0	6	1.0	13	50
RTA0605	6.0	6	0.5	16	50
RTA0610	6.0	6	1.0	16	50
RTA0805	8.0	8	0.5	19	60
RTA0810	8.0	8	1.0	19	60
RTA1005	10.0	10	0.5	25	75
RTA1010	10.0	10	1.0	25	75
RTA1015	10.0	10	1.5	25	75
RTA1020	10.0	10	2.0	25	75
RTA1210	12.0	12	1.0	30	75
RTA1220	12.0	12	2.0	30	75

RTB

Super MG | 0.4 μm | 45° | R | 4Flutes | HRc ▸60 | G10

極超微粒圓鼻角立銑刀 End Mills — Corner Radius

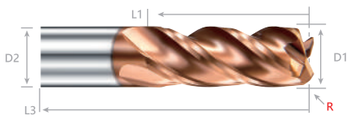


型號 Type NO.	直徑 D1	柄徑 D2	R角 R	刃長 L1	全長 L3
RTB0305	3.0	3	0.5	8	50
RTB0405	4.0	4	0.5	10	50
RTB0505	5.0	6	0.5	13	50
RTB0510	5.0	6	1.0	13	50
RTB0605	6.0	6	0.5	16	50
RTB0610	6.0	6	1.0	16	50
RTB0805	8.0	8	0.5	20	60
RTB0810	8.0	8	1.0	20	60
RTB1005Z	10.0	10	0.5	25	75
RTB1005	10.0	10	0.5	30	75
RTB1010Z	10.0	10	1.0	25	75
RTB1010	10.0	10	1.0	30	75
RTB1020Z	10.0	10	2.0	25	75
RTB1020	10.0	10	2.0	30	75
RTB1030Z	10.0	10	3.0	25	75
RTB1030	10.0	10	3.0	30	75
RTB1210	12.0	12	1.0	30	75
RTB1220	12.0	12	2.0	30	75
RTB1230	12.0	12	3.0	30	75

RTD

MG | 0.6 μm | 35° | R | 4Flutes | HRc ▸55 | G10

超微粒圓鼻角立銑刀 End Mills — Corner Radius

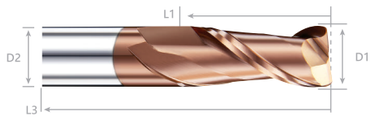


型號 Type NO.	直徑 D1	柄徑 D2	R角 R	刃長 L1	全長 L3
RTD0202	2.0	4	0.2	6	50
RTD0205	2.0	4	0.5	6	50
RTD0305	3.0	3	0.5	8	50
RTD0405	4.0	4	0.5	10	50
RTD0505	5.0	6	0.5	13	50
RTD0510	5.0	6	1.0	13	50
RTD0605	6.0	6	0.5	16	50
RTD0610	6.0	6	1.0	16	50
RTD0805	8.0	8	0.5	20	60
RTD0810	8.0	8	1.0	20	60
RTD1005Z	10.0	10	0.5	25	75
RTD1005	10.0	10	0.5	30	75
RTD1010Z	10.0	10	1.0	25	75
RTD1010	10.0	10	1.0	30	75
RTD1020Z	10.0	10	2.0	25	75
RTD1020	10.0	10	2.0	30	75
RTD1030Z	10.0	10	3.0	25	75
RTD1030	10.0	10	3.0	30	75
RTD1210	12.0	12	1.0	30	75
RTD1220	12.0	12	2.0	30	75
RTD1230	12.0	12	3.0	30	75

RTG

Super MG | 0.4 μm | 35° | R | 2Flutes | HRc ▸55 | G10

極超微粒圓鼻角立銑刀 End Mills — Corner Radius

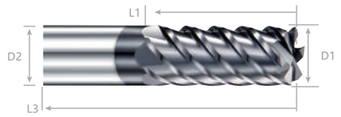


型號 Type NO.	直徑 D1	柄徑 D2	R角 R	刃長 L1	全長 L3
RTG0102	1.0	4	0.2	3	50
RTG0152	1.5	4	0.2	4	50
RTG0202	2.0	4	0.2	6	50
RTG0205	2.0	4	0.5	6	50
RTG0252	2.5	4	0.2	8	50
RTG0255	2.5	4	0.5	8	50
RTG0302	3.0	4	0.2	8	50
RTG0303	3.0	4	0.3	8	50
RTG0305	3.0	4	0.5	8	50
RTG0402	4.0	4	0.2	11	50
RTG0403	4.0	4	0.3	11	50
RTG0405	4.0	4	0.5	11	50
RTG0503	5.0	6	0.3	13	50
RTG0505	5.0	6	0.5	13	50
RTG0602	6.0	6	0.2	16	50
RTG0603	6.0	6	0.3	16	50
RTG0605	6.0	6	0.5	16	50
RTG0610	6.0	6	1.0	16	50
RTG0803	8.0	8	0.3	20	60
RTG0805	8.0	8	0.5	20	60
RTG1002	10.0	10	0.2	25	75
RTG1003	10.0	10	0.3	25	75
RTG1005	10.0	10	0.5	25	75
RTG1010	10.0	10	1.0	25	75
RTG1203	12.0	12	0.3	30	75
RTG1205	12.0	12	0.5	30	75
RTG1210	12.0	12	1.0	30	75
RTG1215	12.0	12	1.5	30	75
RTG1220	12.0	12	2.0	30	75

VTA

Super MG | 0.4 μm | 45° | 6Flutes | HRc ▸65 | T2

高硬度用立銑刀 End Mills — High Hardness

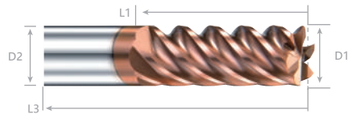


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
VTA0606	6.0	6	16	50
VTA0806	8.0	8	20	60
VTA1006	10.0	10	25	75
VTA1206	12.0	12	30	75
VTA1606	16.0	16	40	100

VTB

Super MG | 0.4 μm | 45° | 6Flutes | HRc ▸60 | G10

難切削材用立銑刀 End Mills — Difficult-to-cut

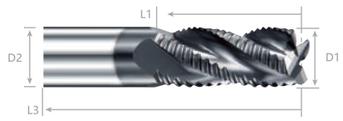


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
VTB0606	6.0	6	16	50
VTB0806	8.0	8	20	60
VTB1006	10.0	10	25	75
VTB1206	12.0	12	30	75
VTB1606	16.0	16	40	100

WUA 4T

MG | 0.6 μm | Roughing | 30° | 4Flutes | HRc ▸55 | T2

超微粒粗齒中目立銑刀 End Mills — Roughing

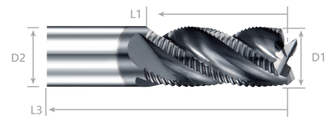


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
WUA0604	6.0	6	16	50
WUA0804	8.0	8	20	60
WUA1004	10.0	10	25	75
WUA1204	12.0	12	30	75
WUA1404	14.0	16	35	100
WUA1604	16.0	16	40	100
WUA1804	18.0	20	40	100
WUA2004	20.0	20	45	100

WWA 4T

MG | 0.6 μm | Roughing | 30° | 4Flutes | HRc ▸55 | T2

超微粒粗齒細目立銑刀 End Mills — Roughing

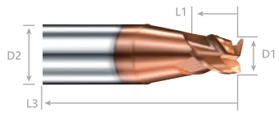


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
WWA0604	6.0	6	16	50
WWA0804	8.0	8	20	60
WWA1004	10.0	10	25	75
WWA1204	12.0	12	30	75
WWA1404	14.0	16	35	100
WWA1604	16.0	16	40	100
WWA1804	18.0	20	40	100
WWA2004	20.0	20	45	100

PET

MG | 0.6 μm | 45° | 3Flutes | HRc ▸60 | G10

超微粒強力型立銑刀 End Mills — Short Flute



型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
PET0303	3.0	6	3	50
PET0403	4.0	6	4	50
PET0503	5.0	6	5	50
PET0603	6.0	8	6	50
PET0803	8.0	10	8	60
PET1003	10.0	12	10	60

鋁用加工系列

SOFT MATERIALS CUTTING SERIES

專用於加工鋁合金和銅，粗銑刀具有1D~2D溝銑與側銑的加工能力，擁有極佳的抗震和穩定性，獨特斷屑設計提升切削排屑順暢度。熱門商品「AEM」高光刀具之被加工材料表面光潔度RA值能達到0.05~0.15um。

It is dedicated to cutting Aluminum Alloy and Copper. While using in roughing, it has 1D~2D groove milling and side milling ability. It has outstanding vibration resistance level and stability. With Special chip removal design, it improves the smoothness level and reduces stickiness. Especially "AEM", its Ra value can reach to 0.05~0.15um.

AEM

Super MG | 0.4 μm | 40° | 3 Flutes

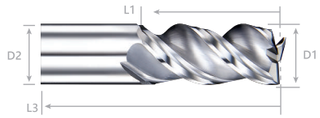
鋁用鏡面立銑刀
End Mills

型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
AEM0303	3.0	6	8	50
AEM0403	4.0	6	11	50
AEM0503	5.0	6	13	50
AEM0603	6.0	6	16	50
AEM0803	8.0	8	20	60
AEM1003	10.0	10	25	75
AEM1203	12.0	12	30	75
AEM1603	16.0	16	40	100

AES

Super MG | 0.4 μm | 40° | 3 Flutes

高效能鋁用立銑刀
End Mills

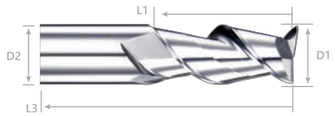


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
AES0203S	2.0	4	6	50
AES0203	2.0	6	6	50
AES0303S	3.0	4	8	50
AES0303	3.0	6	8	50
AES0403S	4.0	4	11	50
AES0403	4.0	6	11	50
AES0503	5.0	6	13	50
AES0603	6.0	6	16	50
AES0603L	6.0	6	32	75
AES0803	8.0	8	20	60
AES0803L	8.0	8	45	100
AES1003	10.0	10	25	75
AES1003L	10.0	10	50	100
AES1203	12.0	12	30	75
AES1203L	12.0	12	55	100
AES1603	16.0	16	40	100
AES1603L	16.0	16	50	120
AES2003	20.0	20	45	100
AES2003L	20.0	20	60	120

AET 2T

MG | 0.6 μm | 45° | 2 Flutes

鋁用鏡面立銑刀
End Mills

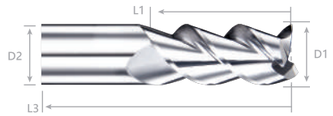


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
AET0052	0.5	4	1.5	50
AET0102	1.0	6	3	50
AET0152	1.5	6	4	50
AET0202	2.0	6	6	50
AET0302	3.0	6	8	50
AET0402	4.0	6	11	50
AET0502	5.0	6	13	50
AET0602	6.0	6	16	50
AET0802	8.0	8	19	60
AET1002	10.0	10	25	75
AET1202	12.0	12	26	75

AET 3T

MG | 0.6 μm | 45° | 3 Flutes

鋁用鏡面立銑刀
End Mills

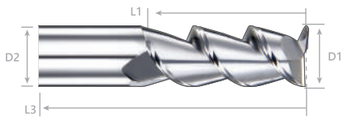


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
AET0203	2.0	6	6	50
AET0303	3.0	6	10	50
AET0403	4.0	6	12	50
AET0503	5.0	6	16	60
AET0603	6.0	6	18	60
AET0803	8.0	8	20	60
AET1003	10.0	10	25	75
AET1203	12.0	12	30	75
AET1603	16.0	16	40	100

AEA 2T

MG | 0.6 μm | 55° | 2 Flutes

鋁用立銑刀
End Mills

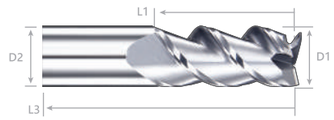


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
AEA0052	0.5	4	1.5	50
AEA0102	1.0	4	3	50
AEA0152	1.5	4	4	50
AEA0202	2.0	4	6	50
AEA0302	3.0	4	8	50
AEA0402	4.0	4	12	50
AEA0502	5.0	6	16	50
AEA0602	6.0	6	18	50
AEA0802	8.0	8	22	60
AEA1002	10.0	10	28	75
AEA1202	12.0	12	30	75

AEA 3T

MG | 0.6 μm | 45° | 3 Flutes

鋁用立銑刀
End Mills

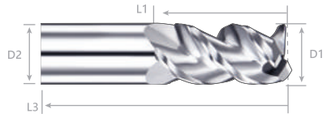


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
AEA0203	2.0	6	6	50
AEA0303	3.0	6	10	50
AEA0403	4.0	6	12	50
AEA0503	5.0	6	16	50
AEA0603	6.0	6	18	50
AEA0803	8.0	8	20	60
AEA1003	10.0	10	25	75
AEA1203	12.0	12	30	75
AEA1603	16.0	16	40	100

AEW

MG | 0.6 μm | Roughing | 45° | 3 Flutes

彩虹立銑刀
End Mills

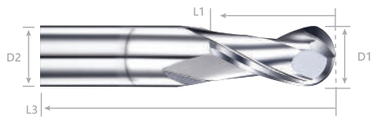


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
AEW0603	6.0	6	16	50
AEW0803	8.0	8	20	60
AEW0803L	8.0	8	25	80
AEW1003	10.0	10	22	75
AEW1003L	10.0	10	30	80
AEW1203	12.0	12	26	75
AEW1203L	12.0	12	35	100
AEW1603	16.0	16	40	100
AEW1603L	16.0	16	50	120
AEW2003	20.0	20	45	100
AEW2003L	20.0	20	55	120

BTC

MG | 0.6 μm | 25° | 2 Flutes

鋁用圓頭立銑刀
Ball Nose End Mills

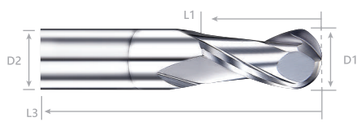


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
BTC0102	R0.5	4	2	50
BTC0152	R0.75	4	3	50
BTC0202	R1.0	4	4	50
BTC0302	R1.5	3	6	50
BTC0402	R2.0	4	8	50
BTC0602	R3.0	6	12	50
BTC0802	R4.0	8	16	60
BTC1002	R5.0	10	20	75
BTC1202	R6.0	12	24	75

HBC IBC JBC

MG | 0.6 μm | 25° | 2 Flutes

鋁用圓頭立銑刀
Ball Nose End Mills

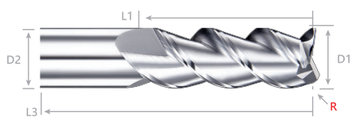


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
HBC0402	R2.0	6	8	75
HBC0502	R2.5	6	10	75
HBC0602	R3.0	6	12	75
IBC0402	R2.0	6	8	100
IBC0602	R3.0	6	12	100
IBC0802	R4.0	8	16	100
IBC1002	R5.0	10	20	100
IBC1202	R6.0	12	24	100
JBC0602	R3.0	6	12	150
JBC0802	R4.0	8	16	150
JBC1002	R5.0	10	20	150
JBC1202	R6.0	12	24	150

AER

MG | 0.6 μm | 45° | R | 3 Flutes

鋁用圓鼻角立銑刀
End Mills

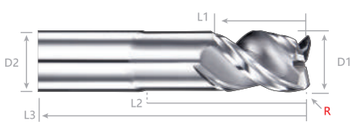


型號 Type NO.	直徑 D1	柄徑 D2	R角 R	刃長 L1	全長 L3
AER0202	2.0	6	0.2	6	50
AER0302	3.0	6	0.2	10	50
AER0402	4.0	6	0.2	12	50
AER0603	6.0	6	0.3	18	50
AER0805	8.0	8	0.5	20	60
AER1005	10.0	10	0.5	30	75

AESR

Super MG | 0.4 μm | 40° | R | 3 Flutes

高效能鋁用圓鼻角立銑刀
End Mills



型號 Type NO.	直徑 D1	柄徑 D2	頸徑 D3	R角 R	刃長 L1	有效長 L2	全長 L3
AESR0305	3.0	6	2.9	0.5	4.5	9	50
AESR0405	4.0	6	3.9	0.5	6	12	50
AESR0605	6.0	6	5.8	0.5	9	18	60
AESR0610	6.0	6	5.8	1.0	9	18	60
AESR0805	8.0	8	7.7	0.5	12	24	60
AESR0810	8.0	8	7.7	1.0	12	24	60
AESR1005	10.0	10	9.6	0.5	15	30	75
AESR1010	10.0	10	9.6	1.0	15	30	75
AESR1205	12.0	12	11.5	0.5	18	36	75
AESR1210	12.0	12	11.5	1.0	18	36	75
AESR1605	16.0	16	15.5	0.5	24	40	120
AESR1610	16.0	16	15.5	1.0	24	40	120
AESR1630	16.0	16	15.5	3.0	24	40	120
AESR2005	20.0	20	19.0	0.5	30	50	120
AESR2010	20.0	20	19.0	1.0	30	50	120
AESR2030	20.0	20	19.0	3.0	30	50	120

航太系列

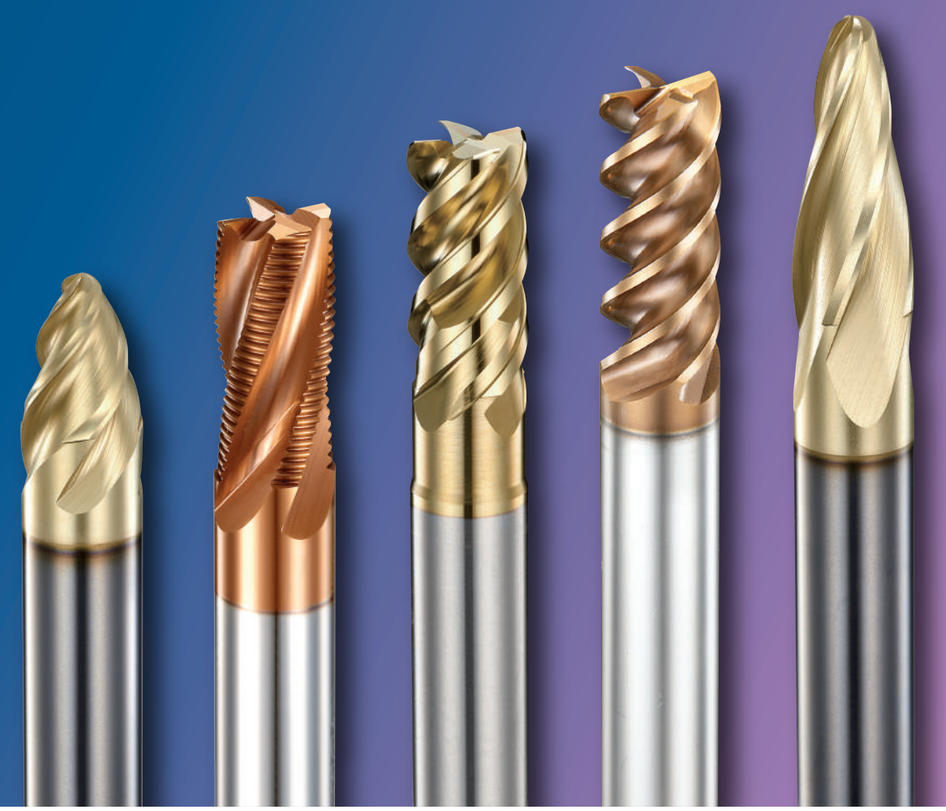
AEROSPACE TITANIUM

本系列產品專為純鈦與鈦合金加工研發設計，具備卓越的效能與刀具壽命，領先業界。
同時，成功突破INCONEL 718 鎳基高溫合金的加工難題，展現出色的切削性能與耐用性。
廣泛應用於航太、模具、醫療等高精密產業，特別適用於航太零件與醫療器械（如人工關節），能顯著提升加工精度與效率。特殊工藝設計提供優異的刀具剛性與抗震性，確保加工過程更加穩定。

產品採用全新G18複合鍍層，特別適用於鎳基高溫合金、鈦合金、不鏽鋼等難切削材料。
DHF 應用中心測試顯示，本產品的刀具壽命顯著優於歐洲知名品牌，確保更高效、更穩定的加工表現。

This series is designed for pure titanium and titanium alloy machining, delivering superior performance and extended tool life. It effectively overcomes the machining challenges of Inconel 718 nickel-based superalloys, ensuring excellent cutting efficiency and durability.
Widely used in aerospace, mold, and medical industries, it enhances precision and efficiency, especially for aerospace components and medical implants. With advanced tool rigidity and vibration resistance, it ensures stable machining.

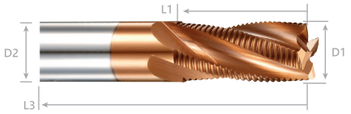
Featuring the latest G18 composite coating, it excels in machining nickel-based superalloys, titanium alloys, and stainless steel. DHF Application Center testing confirms its longer tool life compared to leading European brands, guaranteeing higher efficiency and reliability.



WWB

MG | 0.4 μm | 29° | FIT | Roughing | 4 Flutes | HRc ▸55 | G10

抗震粗齒細目銑刀
End Mills

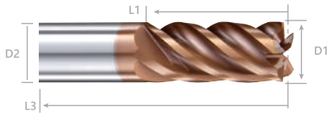


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
WWB0604	6.0	6	16	50
WWB0804	8.0	8	20	60
WWB1004	10.0	10	25	75
WWB1204	12.0	12	30	75
WWB1404	14.0	16	35	100
WWB1604	16.0	16	40	100
WWB1804	18.0	20	40	100
WWB2004	20.0	20	45	100

UPW

Super MG | 0.4 μm | 37° | FIT | 5 Flutes | HRc ▸60 | G10

無敵高效能立銑刀
End Mills

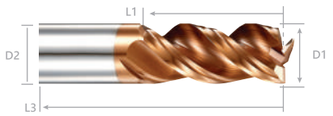


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
UPW0305	3.0	6	8	50
UPW0405	4.0	6	11	50
UPW0505	5.0	6	13	50
UPW0605	6.0	6	16	50
UPW0805	8.0	8	20	60
UPW1005	10.0	10	22	75
UPW1205	12.0	12	26	75
UPW1405	14.0	14	30	80
UPW1605	16.0	16	36	100
UPW1805	18.0	18	40	100
UPW2005	20.0	20	40	100
UPW2505	25.0	25	45	100

UPA

Super MG | 0.4 μm | 40° | FIT | 3 Flutes | HRc ▸55 | G10

無敵高效能立銑刀
End Mills

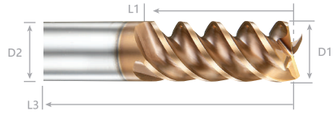


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
UPA0203	2.0	6	6	50
UPA0303	3.0	6	8	50
UPA0403	4.0	6	11	50
UPA0503	5.0	6	13	50
UPA0603	6.0	6	16	50
UPA0803	8.0	8	20	60
UPA1003	10.0	10	25	75
UPA1203	12.0	12	30	75
UPA1603	16.0	16	50	120
UPA2003	20.0	20	60	120

UTH

Super MG | 0.4 μm | 92° | 4 Flutes | HRc ▸55 | G10

鈦滿意立銑刀
End Mills

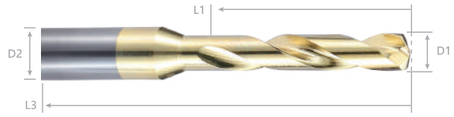


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
UTH0304	3.0	6	8	50
UTH0404	4.0	6	11	50
UTH0504	5.0	6	13	50
UTH0604	6.0	6	16	50
UTH0804	8.0	8	20	60
UTH1004	10.0	10	25	75
UTH1204	12.0	12	30	75
UTH1604	16.0	16	40	100
UTH2004	20.0	20	45	100

DAN

MG | 0.6 μm | 30° | 3D | 100 | 2 Flutes | HRc ▸52 | G17

鎢鋼鑽頭
Carbide Drills



型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3	公制螺牙鑽孔尺寸備註 Metric Thread Drill Size
DAN025	2.5	6	14.3	62	O
DAN030	3.0	6	17.1	62	
DAN033	3.3	6	18.8	62	O
DAN035	3.5	6	20	62	
DAN040	4.0	6	22.8	66	
DAN042	4.2	6	24	66	O
DAN045	4.5	6	25.7	66	
DAN050	5.0	6	28.6	66	O
DAN055	5.5	6	31.4	66	
DAN060	6.0	6	34.3	66	
DAN065	6.5	8	37.1	79	
DAN068	6.8	8	38.8	79	O
DAN070	7.0	8	40	79	
DAN080	8.0	8	45.7	79	
DAN085	8.5	10	48.5	103	O
DAN087	8.7	10	49.7	103	
DAN090	9.0	10	51.4	103	
DAN100	10.0	10	57.1	103	
DAN102	10.2	12	58.2	118	O
DAN110	11.0	12	62.8	118	
DAN120	12.0	12	68.5	118	O

附註 Note

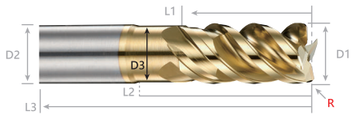
"O" 註記為公制螺牙鑽孔尺寸

"O"Refers to metric thread drill size.

KSR

Super MG | 0.4 μm | 48° | R | 4 Flutes | HRc ▸60 | G18

抗震高效能圓鼻角立銑刀
End Mills

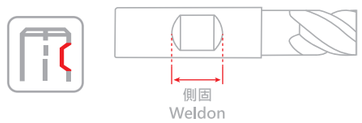


型號 Type NO.	直徑 D1	柄徑 D2	頸徑 D3	R角 R	刃長 L1	有效長 L2	全長 L3	側固 Weldon
KSR0302S	3.0	6	3.05	0.2	4	6	50	
KSR0302	3.0	6	2.85	0.2	8	12	50	
KSR0302E	3.0	6	2.85	0.2	6	10	57	
KSR0402S	4.0	6	4.05	0.2	5	9	50	
KSR0402	4.0	6	3.8	0.2	11	15	50	
KSR0402E	4.0	6	3.8	0.2	8	13	57	
KSR0405S	4.0	6	4.05	0.5	5	9	50	
KSR0405	4.0	6	3.8	0.5	11	15	50	
KSR0405E	4.0	6	3.8	0.5	8	13	57	
KSR0502S	5.0	6	5.05	0.2	7	10	50	
KSR0502	5.0	6	4.75	0.2	13	18	50	
KSR0502E	5.0	6	4.75	0.2	10	16	57	
KSR0602S	6.0	6	X	0.2	8	X	50	
KSR0602	6.0	6	5.7	0.2	16	20	50	
KSR0602E	6.0	6	5.7	0.2	12	18	57	★
KSR0602L	6.0	6	5.7	0.2	21	26	65	
KSR0605S	6.0	6	X	0.5	8	X	50	
KSR0605	6.0	6	5.7	0.5	16	20	50	
KSR0605E	6.0	6	5.7	0.5	12	18	57	★
KSR0605L	6.0	6	5.7	0.5	21	26	65	
KSR0610	6.0	6	5.7	1.0	16	20	50	
KSR0610E	6.0	6	5.7	1.0	12	18	57	★
KSR0610L	6.0	6	5.7	1.0	21	26	65	
KSR0805S	8.0	8	X	0.5	11	X	58	
KSR0805	8.0	8	7.6	0.5	20	25	60	
KSR0805E	8.0	8	7.6	0.5	16	25	63	★
KSR0805L	8.0	8	7.6	0.5	32	37	75	
KSR0810	8.0	8	7.6	1.0	20	25	60	
KSR0810E	8.0	8	7.6	1.0	16	25	63	★
KSR0810L	8.0	8	7.6	1.0	32	37	75	
KSR1005S	10.0	10	X	0.5	13	X	58	
KSR1005	10.0	10	9.5	0.5	25	32	75	
KSR1005E	10.0	10	9.5	0.5	20	29	72	★
KSR1005L	10.0	10	9.5	0.5	40	47	89	
KSR1010S	10.0	10	X	1.0	13	X	58	
KSR1010	10.0	10	9.5	1.0	25	32	75	
KSR1010E	10.0	10	9.5	1.0	20	29	72	★
KSR1010L	10.0	10	9.5	1.0	40	47	89	
KSR1015	10.0	10	9.5	1.5	25	32	75	
KSR1015E	10.0	10	9.5	1.5	20	29	72	★
KSR1020	10.0	10	9.5	2.0	25	32	75	
KSR1020E	10.0	10	9.5	2.0	20	29	72	★
KSR1020L	10.0	10	9.5	2.0	40	47	89	
KSR1030	10.0	10	9.5	3.0	25	32	75	
KSR1030E	10.0	10	9.5	3.0	20	29	72	★
KSR1030L	10.0	10	9.5	3.0	40	47	89	

附註 Note

"★"標示為含有製作側固

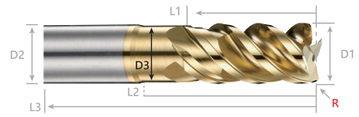
"★" Refers to be with Weldon flat design.



KSR

Super MG | 0.4 μm | 48° | R | 4 Flutes | HRc ▸60 | G18

抗震高效能圓鼻角立銑刀
End Mills

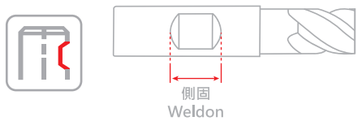


型號 Type NO.	直徑 D1	柄徑 D2	頸徑 D3	R角 R	刃長 L1	有效長 L2	全長 L3	側固 Weldon
KSR1205S	12.0	12	X	0.5	15	X	67	
KSR1205	12.0	12	11.4	0.5	30	35	75	
KSR1205E	12.0	12	11.4	0.5	24	35	83	★
KSR1205L	12.0	12	11.4	0.5	45	53	100	
KSR1210S	12.0	12	X	1.0	15	X	67	
KSR1210	12.0	12	11.4	1.0	30	35	75	
KSR1210E	12.0	12	11.4	1.0	24	35	83	★
KSR1210L	12.0	12	11.4	1.0	45	53	100	
KSR1215	12.0	12	11.4	1.5	30	35	75	
KSR1215E	12.0	12	11.4	1.5	24	35	83	★
KSR1220	12.0	12	11.4	2.0	30	35	75	
KSR1220E	12.0	12	11.4	2.0	24	35	83	★
KSR1220L	12.0	12	11.4	2.0	45	53	100	
KSR1230	12.0	12	11.4	3.0	30	35	75	
KSR1230E	12.0	12	11.4	3.0	24	35	83	★
KSR1230L	12.0	12	11.4	3.0	45	53	100	
KSR1605S	16.0	16	X	0.5	19	X	73	
KSR1605	16.0	16	15.2	0.5	40	48	100	
KSR1605E	16.0	16	15.2	0.5	32	42	92	★
KSR1605L	16.0	16	15.2	0.5	55	65	115	
KSR1610S	16.0	16	X	1.0	19	X	73	
KSR1610	16.0	16	15.2	1.0	40	48	100	
KSR1610E	16.0	16	15.2	1.0	32	42	92	★
KSR1610L	16.0	16	15.2	1.0	55	65	115	
KSR1620	16.0	16	15.2	2.0	40	48	100	
KSR1620E	16.0	16	15.2	2.0	32	42	92	★
KSR1620L	16.0	16	15.2	2.0	55	65	115	
KSR1630	16.0	16	15.2	3.0	40	48	100	
KSR1630E	16.0	16	15.2	3.0	32	42	92	★
KSR1630L	16.0	16	15.2	3.0	55	65	115	

附註 Note

"★"標示為含有製作側固

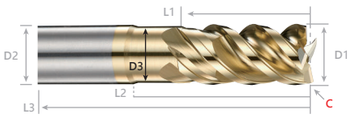
"★" Refers to be with Weldon flat design.



KSE

Super MG | 0.4 μm | 48° | 4 Flutes | HRc ▸60 | G18

抗震高效能立銑刀
End Mills

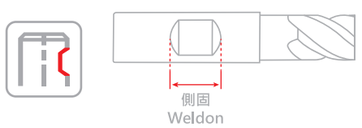


型號 Type NO.	直徑 D1	柄徑 D2	頸徑 D3	倒角 C	刃長 L1	有效長 L2	全長 L3	側固 Weldon
KSE0304S	3.0	6	3.05	0.035	4	6	50	
KSE0304	3.0	6	2.85	0.035	8	12	50	
KSE0304E	3.0	6	2.85	0.035	6	10	57	
KSE0404S	4.0	6	4.05	0.045	5	9	50	
KSE0404	4.0	6	3.8	0.045	11	15	50	
KSE0404E	4.0	6	3.8	0.045	8	13	57	
KSE0504S	5.0	6	5.05	0.055	7	10	50	
KSE0504	5.0	6	4.75	0.055	13	18	50	
KSE0504E	5.0	6	4.75	0.055	10	16	57	
KSE0604S	6.0	6	X	0.075	8	X	50	
KSE0604	6.0	6	5.7	0.075	16	20	50	
KSE0604E	6.0	6	5.7	0.075	12	18	57	★
KSE0604L	6.0	6	5.7	0.075	21	26	65	★
KSE0804S	8.0	8	X	0.1	11	X	58	
KSE0804	8.0	8	7.6	0.1	20	25	60	
KSE0804E	8.0	8	7.6	0.1	16	25	63	★
KSE0804L	8.0	8	7.6	0.1	32	37	75	★
KSE1004S	10.0	10	X	0.125	13	X	58	
KSE1004	10.0	10	9.5	0.125	25	32	75	
KSE1004E	10.0	10	9.5	0.125	20	29	72	★
KSE1004L	10.0	10	9.5	0.125	40	47	89	★
KSE1204S	12.0	12	X	0.15	15	X	67	
KSE1204	12.0	12	11.4	0.15	30	35	75	
KSE1204E	12.0	12	11.4	0.15	24	35	83	★
KSE1204L	12.0	12	11.4	0.15	45	53	100	★
KSE1604S	16.0	16	X	0.2	19	X	73	
KSE1604	16.0	16	15.2	0.2	40	48	100	
KSE1604E	16.0	16	15.2	0.2	32	42	92	★
KSE1604L	16.0	16	15.2	0.2	55	65	115	★

附註 Note

"★"標示為含有製作側固

"★" Refers to be with Weldon flat design.



KWR

Super MG | 0.4 μm | 35°~38° | R | 4 Flutes | HRc ▸60 | G18

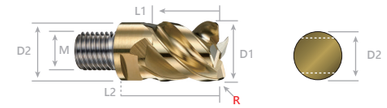
抗震高效能圓鼻角立銑刀頭
End Mills

型號 Type NO.	直徑 D1	柄徑 D2	頸徑 D3	R角 R	刃長 L1	有效長 L2	全長 L3
KWR0302	3.0	6	2.85	0.2	8	12	50
KWR0305	3.0	6	2.85	0.5	8	12	50
KWR0402	4.0	6	3.8	0.2	11	16	50
KWR0405	4.0	6	3.8	0.5	11	16	50
KWR0505	5.0	6	4.8	0.5	13	18	50
KWR0510	5.0	6	4.8	1.0	13	18	50
KWR0602	6.0	6	5.8	0.2	13	19	50
KWR0605	6.0	6	5.8	0.5	13	19	50
KWR0610	6.0	6	5.8	1.0	13	19	50
KWR0615	6.0	6	5.8	1.5	13	19	50
KWR0805	8.0	8	7.7	0.5	20	25	60
KWR0810	8.0	8	7.7	1.0	20	25	60
KWR0815	8.0	8	7.7	1.5	20	25	60
KWR1005	10.0	10	9.7	0.5	22	30	75
KWR1010	10.0	10	9.7	1.0	22	30	75
KWR1015	10.0	10	9.7	1.5	22	30	75
KWR1020	10.0	10	9.7	2.0	22	30	75
KWR1030	10.0	10	9.7	3.0	22	30	75
KWR1205	12.0	12	11.6	0.5	26	36	75
KWR1210	12.0	12	11.6	1.0	26	36	75
KWR1215	12.0	12	11.6	1.5	26	36	75
KWR1220	12.0	12	11.6	2.0	26	36	75
KWR1230	12.0	12	11.6	3.0	26	36	75
KWR1605	16.0	16	15.5	0.5	36	42	100
KWR1610	16.0	16	15.5	1.0	36	42	100
KWR1620	16.0	16	15.5	2.0	36	42	100
KWR1630	16.0	16	15.5	3.0	36	42	100

X-KSR

Super MG | 0.4 μm | 48° | R | 4 Flutes | HRc ▸60 | G18

抗震高效能圓鼻角立銑刀頭
End Mills

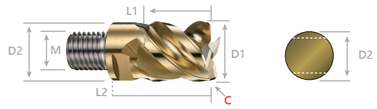


型號 Type NO.	直徑 D1	頸徑 D2	R角 R	刃長 L1	全長 L2	螺牙 M	鉸固扳手型號 Spanner Type NO.
X-KSR0805	8.0	7.8	0.5	8	12.1	M5-3P	K08
X-KSR0810	8.0	7.8	1.0	8	12.1	M5-3P	K08
X-KSR1005	10.0	9.8	0.5	10	16.1	M7-3P	K10
X-KSR1010	10.0	9.8	1.0	10	16.1	M7-3P	K10
X-KSR1015	10.0	9.8	1.5	10	16.1	M7-3P	K10
X-KSR1020	10.0	9.8	2.0	10	16.1	M7-3P	K10
X-KSR1030	10.0	9.8	3.0	10	16.1	M7-3P	K10
X-KSR1205	12.0	11.7	0.5	12	20.3	M8-3P	K12
X-KSR1210	12.0	11.7	1.0	12	20.3	M8-3P	K12
X-KSR1220	12.0	11.7	2.0	12	20.3	M8-3P	K12
X-KSR1230	12.0	11.7	3.0	12	20.3	M8-3P	K12
X-KSR1605	16.0	15.6	0.5	16	25.7	M10-3P	K16
X-KSR1610	16.0	15.6	1.0	16	25.7	M10-3P	K16
X-KSR1620	16.0	15.6	2.0	16	25.7	M10-3P	K16
X-KSR1630	16.0	15.6	3.0	16	25.7	M10-3P	K16
X-KSR1640	16.0	15.6	4.0	16	25.7	M10-3P	K16
X-KSR2005	20.0	19.5	0.5	20	31.1	M12-3P	K20
X-KSR2010	20.0	19.5	1.0	20	31.1	M12-3P	K20
X-KSR2020	20.0	19.5	2.0	20	31.1	M12-3P	K20
X-KSR2030	20.0	19.5	3.0	20	31.1	M12-3P	K20
X-KSR2040	20.0	19.5	4.0	20	31.1	M12-3P	K20

X-KSE

Super MG | 0.4 μm | 48° | 4 Flutes | HRc ▸60 | G18

抗震高效能立銑刀頭
End Mills

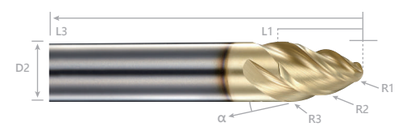


型號 Type NO.	直徑 D1	頸徑 D2	倒角 C	刃長 L1	全長 L2	螺牙 M	鉸固扳手型號 Spanner Type NO.
X-KSE0804	8.0	7.8	0.1	8	12.1	M5-3P	K08
X-KSE1004	10.0	9.8	0.125	10	16.1	M7-3P	K10
X-KSE1204	12.0	11.7	0.15	12	20.3	M8-3P	K12
X-KSE1604	16.0	15.6	0.2	16	25.7	M10-3P	K16
X-KSE2004	20.0	19.5	0.25	20	31.1	M12-3P	K20
X-KSE2504	25.0	24.4	0.3	25	39.3	M16-3P	K25

KB

Super MG | 0.4 μm | 38° | 4 Flutes | HRc ▸60 | G18

高精度桶型立銑刀
End Mills

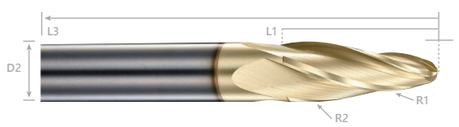


型號 Type NO.	R1	R2	R3	柄徑 D2	斜角 α	刃長 L1	全長 L3
KB10R2R030	2.0	30	5	10	20	12.3	89
KB10R2R050	2.0	50	5	10	20	12.5	89
KB10R3R100	3.0	100	5	10	20	10.7	89
KB10R3R250	3.0	250	5	10	20	10.8	89

KLB

Super MG | 0.4 μm | 20° | 4 Flutes | HRc ▸60 | G18

高精度長桶型立銑刀
End Mills

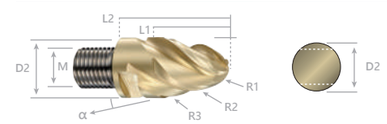


型號 Type NO.	R1	R2	柄徑 D2	刃長 L1	全長 L3
KLB060R1R95	1.0	95	6	20.8	62
KLB080R1R90	1.0	90	8	24.5	68
KLB100R2R85	2.0	85	10	24.7	72
KLB120R2R80	2.0	80	12	27.3	83
KLB160R3R75	3.0	75	16	30.1	92

X-KB

Super MG | 0.4 μm | 38° | 4 Flutes | HRc ▸60 | G18

高精度桶型立銑刀頭
End Mills



型號 Type NO.	R1	R2	R3	頸徑 D2	斜角 α	刃長 L1	全長 L2	螺牙 M	鉸固扳手型號 Spanner Type NO.
X-KB10R2R030	2.0	30	5	10	20	12.3	18.1	M7-3P	K10
X-KB10R2R050	2.0	50	5	10	20	12.5	18.1	M7-3P	K10
X-KB10R3R100	3.0	100	5	10	20	10.7	18.1	M7-3P	K10
X-KB10R3R250	3.0	250	5	10	20	10.8	18.1	M7-3P	K10

不鏽鋼切削系列

STAINLESS STEEL CUTTING SERIES

本系列專為不鏽鋼加工設計，透過鋒利的刀具幾何設計，適用於粗、中、精銑等不同切削需求，顯著提升加工效率並延長刀具壽命。

具備優異的溝側銑削能力，有效提升加工穩定性與效率，同時優化斷屑效果，確保加工順暢，是不鏽鋼精密加工的理想選擇。

This series is specially designed for stainless steel machining, featuring a sharp cutting geometry that enhances efficiency and extends tool life. It is ideal for rough, semi-finishing, and finishing milling of stainless steel materials.

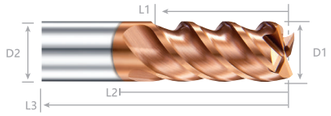
With excellent slot and side milling performance, it ensures superior chip breaking and high efficiency, making it the perfect choice for precision stainless steel machining.

UPS

Super MG | 0.4 μm | 45° | 4 Flutes | HRc ▸60 | G10

無敵高效能立銑刀 End Mills

Heavy Duty



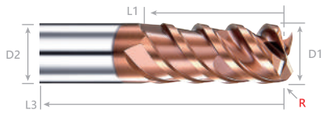
型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
UPS0304	3.0	6	8	50
UPS0304L	3.0	6	12	60
UPS0404	4.0	6	11	50
UPS0404L	4.0	6	16	60
UPS0504	5.0	6	13	50
UPS0604	6.0	6	16	50
UPS0604L	6.0	6	20	60
UPS0804	8.0	8	20	60
UPS0804L	8.0	8	25	75
UPS1004	10.0	10	22	75
UPS1004L	10.0	10	30	80
UPS1204	12.0	12	26	75
UPS1204L	12.0	12	35	100
UPS1604	16.0	16	36	100
UPS1604L	16.0	16	50	110
UPS1804	18.0	18	40	100
UPS2004	20.0	20	40	100
UPS2004L	20.0	20	50	120

UPJ

Super MG | 0.4 μm | 50° | R | 4 Flutes | HRc ▸60 | G10

無敵高剛性立銑刀 End Mills

Heavy Duty



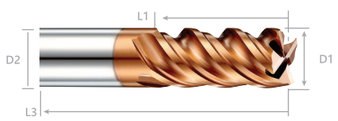
型號 Type NO.	直徑 D1	柄徑 D2	R角 R	刃長 L1	全長 L3
UPJ0304	3.0	6	0.2	8	50
UPJ0404	4.0	6	0.3	11	50
UPJ0504	5.0	6	0.3	13	50
UPJ0604	6.0	6	0.4	16	50
UPJ0804	8.0	8	0.5	20	60
UPJ1004	10.0	10	0.6	25	75
UPJ1204	12.0	12	0.6	30	75
UPJ1604	16.0	16	0.8	45	110
UPJ2004	20.0	20	1.0	50	110

UPZ

Super MG | 0.4 μm | 45° | 4 Flutes | HRc ▸60 | G10

抗震高效能立銑刀 End Mills

Heavy Duty



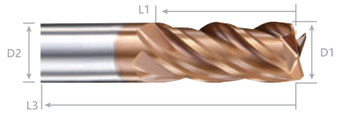
型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
UPZ0304	3.0	6	8	50
UPZ0404	4.0	6	11	50
UPZ0504	5.0	6	13	50
UPZ0604	6.0	6	16	50
UPZ0804	8.0	8	20	60
UPZ1004	10.0	10	22	75
UPZ1204	12.0	12	26	75
UPZ1604	16.0	16	36	100
UPZ2004	20.0	20	40	100

UPG

Super MG | 0.4 μm | 38°~38° | 4 Flutes | HRc ▸60 | G10

抗震高效能立銑刀 End Mills

Heavy Duty

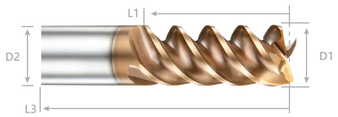


型號 Type NO.	直徑 D1	柄徑 D2	倒角 C	刃長 L1	全長 L3
UPG0304	3.0	6	0.15	8	50
UPG0404	4.0	6	0.15	11	50
UPG0504	5.0	6	0.2	13	50
UPG0604	6.0	6	0.2	16	50
UPG0604L	6.0	6	0.2	20	60
UPG0804	8.0	8	0.25	20	60
UPG0804L	8.0	8	0.25	25	75
UPG1004	10.0	10	0.3	22	75
UPG1004L	10.0	10	0.3	30	80
UPG1204	12.0	12	0.3	26	75
UPG1204L	12.0	12	0.3	35	100
UPG1604	16.0	16	0.4	40	100
UPG1604L	16.0	16	0.4	50	120
UPG1804	18.0	18	0.5	40	100
UPG2004	20.0	20	0.5	40	100
UPG2004L	20.0	20	0.5	50	120

UTH

Super MG | 0.4 μm | 92° | 4 Flutes | HRc ▸55 | G10

鈦滿意立銑刀 End Mills



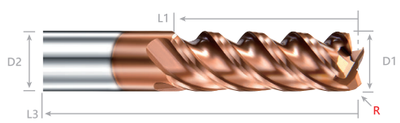
型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
UTH0304	3.0	6	8	50
UTH0404	4.0	6	11	50
UTH0504	5.0	6	13	50
UTH0604	6.0	6	16	50
UTH0804	8.0	8	20	60
UTH1004	10.0	10	25	75
UTH1204	12.0	12	30	75
UTH1604	16.0	16	40	100
UTH2004	20.0	20	45	100

RTB

Super MG | 0.4 μm | 45° | R | 4 Flutes | HRc ▸60 | G10

超微粒圓鼻角立銑刀 End Mills

Corner Radius

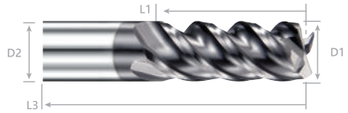


型號 Type NO.	直徑 D1	柄徑 D2	R角 R	刃長 L1	全長 L3
RTB0305	3.0	3	0.5	8	50
RTB0405	4.0	4	0.5	10	50
RTB0505	5.0	6	0.5	13	50
RTB0510	5.0	6	1.0	13	50
RTB0605	6.0	6	0.5	16	50
RTB0610	6.0	6	1.0	16	50
RTB0805	8.0	8	0.5	20	60
RTB0810	8.0	8	1.0	20	60
RTB1005Z	10.0	10	0.5	25	75
RTB1005	10.0	10	0.5	30	75
RTB1010Z	10.0	10	1.0	25	75
RTB1010	10.0	10	1.0	30	75
RTB1020Z	10.0	10	2.0	25	75
RTB1020	10.0	10	2.0	30	75
RTB1030Z	10.0	10	3.0	25	75
RTB1030	10.0	10	3.0	30	75
RTB1210	12.0	12	1.0	30	75
RTB1220	12.0	12	2.0	30	75
RTB1230	12.0	12	3.0	30	75

ETB

Super MG | 0.4 μm | 45° | 4 Flutes | HRc ▸60 | T2

極超微粒立銑刀 End Mills

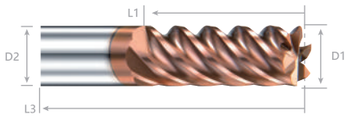


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
ETB0104	1.0	4	3	50
ETB0154	1.5	4	4	50
ETB0204S	2.0	4	6	50
ETB0204	2.0	6	6	50
ETB0254S	2.5	4	8	50
ETB0254	2.5	6	8	50
ETB0304S	3.0	4	8	50
ETB0304	3.0	6	8	50
ETB0354	3.5	6	10	50
ETB0404S	4.0	4	11	50
ETB0404	4.0	6	11	50
ETB0454	4.5	6	11	50
ETB0504	5.0	6	13	50
ETB0604	6.0	6	16	50
ETB0804	8.0	8	20	60
ETB1004Z	10.0	10	25	75
ETB1004	10.0	10	30	75
ETB1204	12.0	12	30	75
ETB1604	16.0	16	40	100
ETB2004	20.0	20	45	100

VTB

Super MG | 0.4 μm | 45° | 6 Flutes | HRc ▸60 | G10

難切削材用立銑刀 End Mills



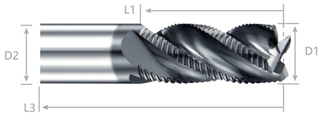
型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
VTB0606	6.0	6	16	50
VTB0806	8.0	8	20	60
VTB1006	10.0	10	25	75
VTB1206	12.0	12	30	75
VTB1606	16.0	16	40	100

WWA

MG | 0.6 μm | Roughing | 39° | 4 Flutes | HRc ▸55 | T2

超微粒粗齒細目立銑刀 End Mills

Roughing

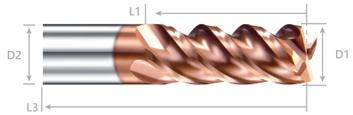


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
WWA0604	6.0	6	16	50
WWA0804	8.0	8	20	60
WWA1004	10.0	10	25	75
WWA1204	12.0	12	30	75
WWA1404	14.0	16	35	100
WWA1604	16.0	16	40	100
WWA1804	18.0	20	40	100
WWA2004	20.0	20	45	100

ETH 4T

Super MG | 0.4 μm | 45° | 4 Flutes | HRc ▸60 | G10

極超微粒立銑刀 End Mills

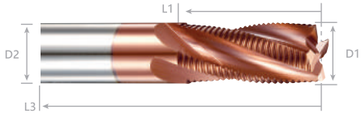


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
ETH0104	1.0	4	3	50
ETH0154	1.5	4	4	50
ETH0204	2.0	4	6	50
ETH0254	2.5	4	8	50
ETH0304S	3.0	3	8	50
ETH0304	3.0	4	8	50
ETH0354	3.5	4	10	50
ETH0404	4.0	4	11	50
ETH0454	4.5	6	13	50
ETH0504S	5.0	5	13	50
ETH0504	5.0	6	13	50
ETH0554	5.5	6	13	50
ETH0604	6.0	6	16	50
ETH0654	6.5	8	16	60
ETH0704	7.0	8	16	60
ETH0754	7.5	8	19	60
ETH0804	8.0	8	20	60
ETH0854	8.5	10	20	75
ETH0904	9.0	10	22	75
ETH0954	9.5	10	25	75
ETH1004	10.0	10	30	75
ETH1054	10.5	12	25	75
ETH1104	11.0	12	28	75
ETH1154	11.5	12	30	75
ETH1204	12.0	12	30	75
ETH1254	12.5	14	30	80
ETH1304	13.0	14	35	80
ETH1354	13.5	14	35	80
ETH1404	14.0	14	40	80
ETH1504	15.0	16	40	100
ETH1604	16.0	16	40	100
ETH1704	17.0	18	45	100
ETH1804	18.0	18	45	100
ETH2004	20.0	20	45	100

WWB

MG | 0.4 μm | Roughing | 20° | 4 Flutes | HRc ▸55 | G10

抗震粗齒細目銑刀 End Mills



型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
WWB0604	6.0	6	16	50
WWB0804	8.0	8	20	60
WWB1004	10.0	10	25	75
WWB1204	12.0	12	30	75
WWB1404	14.0	16	35	100
WWB1604	16.0	16	40	100
WWB1804	18.0	20	40	100
WWB2004	20.0	20	45	100

精準-沖系列

ECONOMY SERIES

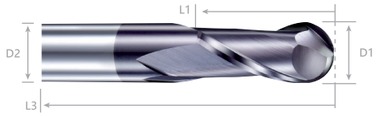
適用於一般鋼材料的切削，刀具價格經濟實惠、性價比高。

It is more than suitable for cutting general steels. The price is extremely economical, and it has high cost-performance ratio.

DB 2T

Perfect MG | 0.6 μm | 30° | 2Flutes | HRc ▸50 | T1

超微粒圓頭立銑刀
Ball Nose End Mills

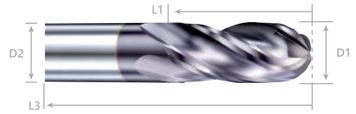


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
DB0102	R0.5	4	2	50
DB0152	R0.75	4	3	50
DB0202	R1.0	4	4	50
DB0252	R1.25	4	5	50
DB0302	R1.5	4	6	50
DB0402	R2.0	4	8	50
DB0502	R2.5	6	10	50
DB0602	R3.0	6	12	50
DB0802	R4.0	8	16	60
DB1002	R5.0	10	20	75
DB1202	R6.0	12	24	75
DB1602	R8.0	16	32	100

DB 4T

Perfect MG | 0.6 μm | 30° | 4Flutes | HRc ▸50 | T1

超微粒圓頭立銑刀
Ball Nose End Mills

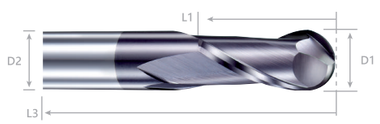


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
DB0104	R0.5	4	2	50
DB0154	R0.75	4	3	50
DB0204	R1.0	4	4	50
DB0304	R1.5	4	6	50
DB0404	R2.0	4	8	50
DB0504	R2.5	6	10	50
DB0604	R3.0	6	12	50
DB0804	R4.0	8	16	60
DB1004	R5.0	10	20	75
DB1204	R6.0	12	24	75
DB1604	R8.0	16	32	100

DHB DIB 2T

Perfect MG | 0.6 μm | 30° | 2Flutes | HRc ▸50 | T1

超微粒長柄圓頭立銑刀 Long Shank
Ball Nose End Mills

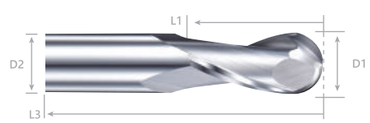


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
DHB0202	R1.0	6	4	75
DHB0252	R1.25	6	5	75
DHB0302	R1.5	6	6	75
DHB0402	R2.0	6	8	75
DHB0502	R2.5	6	10	75
DHB0602	R3.0	6	12	75
DHB0802	R4.0	8	16	75
DIB0202	R1.0	6	4	100
DIB0302	R1.5	6	6	100
DIB0402	R2.0	6	8	100
DIB0602	R3.0	6	12	100
DIB0802	R4.0	8	16	100
DIB1002	R5.0	10	20	100
DIB1202	R6.0	12	24	100

DBC

Perfect MG | 0.6 μm | 25° | 2Flutes

銅鋁用圓頭立銑刀
Ball Nose End Mills

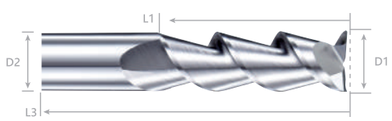


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
DBC0102	R0.5	4	2	50
DBC0152	R0.75	4	3	50
DBC0202	R1.0	4	4	50
DBC0302	R1.5	3	6	50
DBC0402	R2.0	4	8	50
DBC0602	R3.0	6	12	50
DBC0802	R4.0	8	16	60
DBC1002	R5.0	10	20	75
DBC1202	R6.0	12	24	75

DC 2T

Perfect MG | 0.6 μm | 45° | W | 2Flutes

鋁用立銑刀
End Mills

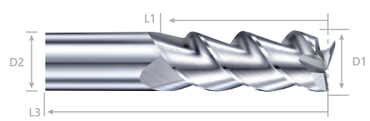


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
DC0202	2.0	6	7	50
DC0302	3.0	6	9	50
DC0402	4.0	6	12	50
DC0502	5.0	6	16	60
DC0602	6.0	6	18	60
DC0802	8.0	8	20	60
DC1002	10.0	10	30	75
DC1202	12.0	12	32	75
DC1602	16.0	16	45	100
DC2002	20.0	20	45	100

DC 3T

Perfect MG | 0.6 μm | 50° | W | 3Flutes

鋁用立銑刀
End Mills

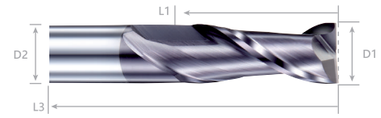


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
DC0203	2.0	6	6	50
DC0303	3.0	6	10	50
DC0403	4.0	6	12	50
DC0503	5.0	6	16	60
DC0603	6.0	6	18	60
DC0803	8.0	8	20	60
DC1003	10.0	10	25	75
DC1203	12.0	12	30	75
DC1603	16.0	16	40	100

DE 2T

Perfect MG | 0.6 μm | 35° | 2Flutes | HRc ▸50 | T1

超微粒立銑刀
End Mills

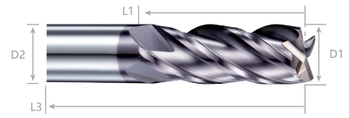


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
DE0102	1.0	4	3	50
DE0152	1.5	4	4	50
DE0202	2.0	4	6	50
DE0252	2.5	4	8	50
DE0302	3.0	4	8	50
DE0402	4.0	4	11	50
DE0502	5.0	6	13	50
DE0602	6.0	6	16	50
DE0802	8.0	8	20	60
DE1002	10.0	10	25	75
DE1202	12.0	12	30	75
DE1602	16.0	16	40	100

DE 4T

Perfect MG | 0.6 μm | 35° | 4Flutes | HRc ▸50 | T1

超微粒立銑刀
End Mills

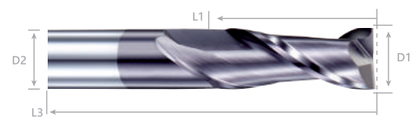


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
DE0104	1.0	4	3	50
DE0154	1.5	4	4	50
DE0204	2.0	4	6	50
DE0254	2.5	4	8	50
DE0304	3.0	4	8	50
DE0404	4.0	4	11	50
DE0504	5.0	6	13	50
DE0604	6.0	6	16	50
DE0804	8.0	8	20	60
DE1004	10.0	10	25	75
DE1204	12.0	12	30	75
DE1604	16.0	16	40	100
DE2004	20.0	20	45	100

DHE DIE DJE 2T

Perfect MG | 0.6 μm | 35° | 2Flutes | HRc ▸50 | T1

超微粒長柄立銑刀 Long Shank
End Mills

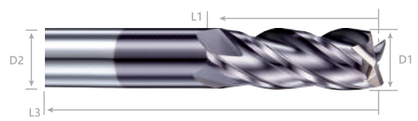


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
DHE0302	3.0	3	8	75
DHE0402	4.0	4	11	75
DHE0502	5.0	6	13	75
DHE0602	6.0	6	16	75
DHE0802	8.0	8	20	75
DIE0302	3.0	3	8	100
DIE0402	4.0	4	11	100
DIE0502	5.0	6	13	100
DIE0602	6.0	6	16	100
DIE0802	8.0	8	20	100
DIE1002	10.0	10	25	100
DIE1202	12.0	12	30	100
DJE0602	6.0	6	16	150
DJE0802	8.0	8	20	150
DJE1002	10.0	10	25	150
DJE1202	12.0	12	30	150

DHE DIE DJE 4T

Perfect MG | 0.6 μm | 35° | 4Flutes | HRc ▸50 | T1

超微粒長柄立銑刀 Long Shank
End Mills

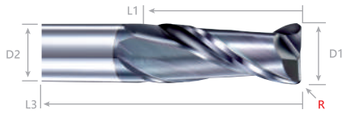


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
DHE0304	3.0	3	8	75
DHE0404	4.0	4	11	75
DHE0504	5.0	6	13	75
DHE0604	6.0	6	16	75
DHE0804	8.0	8	20	75
DIE0404	4.0	4	11	100
DIE0604	6.0	6	16	100
DIE0804	8.0	8	20	100
DIE1004	10.0	10	25	100
DIE1204	12.0	12	30	100
DJE0604	6.0	6	16	150
DJE0804	8.0	8	20	150
DJE1004	10.0	10	25	150
DJE1204	12.0	12	30	150
DJE1604	16.0	16	45	150
DJE2004	20.0	20	50	150

DRA

Perfect MG | 0.6 μm | 35° | R | 2 Flutes | HRc ▸50 | T1

超微粒圓鼻角立銑刀 End Mills — Corner Radius

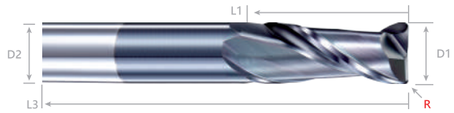


型號 Type NO.	直徑 D1	柄徑 D2	R角 R	刃長 L1	全長 L3
DRA0205	2.0	4	0.5	6	50
DRA0305	3.0	3	0.5	8	50
DRA0405	4.0	4	0.5	10	50
DRA0410	4.0	4	1.0	10	50
DRA0505	5.0	6	0.5	13	50
DRA0510	5.0	6	1.0	13	50
DRA0605	6.0	6	0.5	16	50
DRA0610	6.0	6	1.0	16	50
DRA0805	8.0	8	0.5	19	60
DRA0810	8.0	8	1.0	19	60
DRA1005	10.0	10	0.5	25	75
DRA1010	10.0	10	1.0	25	75
DRA1015	10.0	10	1.5	25	75
DRA1020	10.0	10	2.0	25	75
DRA1210	12.0	12	1.0	30	75
DRA1220	12.0	12	2.0	30	75

DLRA

Perfect MG | 0.6 μm | 35° | R | 2 Flutes | HRc ▸50 | T1

超微粒長柄圓鼻角立銑刀 End Mills — Coner Radius

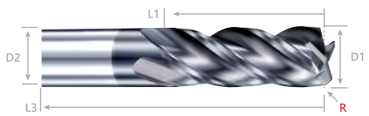


型號 Type NO.	直徑 D1	柄徑 D2	R角 R	刃長 L1	全長 L3
DLRA0405	4.0	4	0.5	11	75
DLRA0605	6.0	6	0.5	16	75
DLRA0610	6.0	6	1.0	16	75
DLRA0805	8.0	8	0.5	19	100
DLRA0810	8.0	8	1.0	19	100
DLRA1005	10.0	10	0.5	25	100
DLRA1010	10.0	10	1.0	25	100
DLRA1020	10.0	10	2.0	25	100
DLRA1210	12.0	12	1.0	30	100
DLRA1220	12.0	12	2.0	30	100

DRD

Perfect MG | 0.6 μm | 35° | R | 4 Flutes | HRc ▸50 | T1

超微粒圓鼻角立銑刀 End Mills — Corner Radius

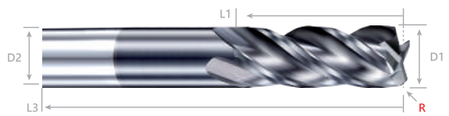


型號 Type NO.	直徑 D1	柄徑 D2	R角 R	刃長 L1	全長 L3
DRD0305	3.0	3	0.5	8	50
DRD0405	4.0	4	0.5	10	50
DRD0505	5.0	6	0.5	13	50
DRD0510	5.0	6	1.0	13	50
DRD0605	6.0	6	0.5	16	50
DRD0610	6.0	6	1.0	16	50
DRD0805	8.0	8	0.5	20	60
DRD0810	8.0	8	1.0	20	60
DRD1010	10.0	10	1.0	25	75
DRD1020	10.0	10	2.0	25	75
DRD1030	10.0	10	3.0	25	75
DRD1210	12.0	12	1.0	30	75
DRD1220	12.0	12	2.0	30	75
DRD1230	12.0	12	3.0	30	75

DLRD

Perfect MG | 0.6 μm | 35° | R | 4 Flutes | HRc ▸50 | T1

超微粒長柄圓鼻角立銑刀 End Mills — Corner Radius

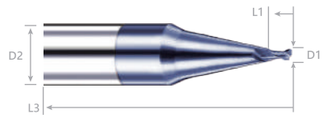


型號 Type NO.	直徑 D1	柄徑 D2	R角 R	刃長 L1	全長 L3
DLRD0605	6.0	6	0.5	16	75
DLRD0610	6.0	6	1.0	16	75
DLRD0805	8.0	8	0.5	19	100
DLRD0810	8.0	8	1.0	19	100
DLRD1005	10.0	10	0.5	25	100
DLRD1010	10.0	10	1.0	25	100
DLRD1020	10.0	10	2.0	25	100
DLRD1210	12.0	12	1.0	30	100
DLRD1220	12.0	12	2.0	30	100
DLRD1610	16.0	16	1.0	45	150
DLRD1620	16.0	16	2.0	45	150

DME

MG | 0.6 μm | 35° | 2 Flutes | HRc ▸60 | T2

微小徑立銑刀 End Mills — Micro Diameter

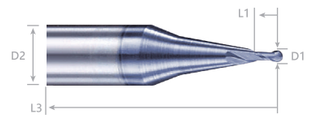


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
DME0022	0.2	4	0.4	40
DME0032	0.3	4	0.6	40
DME0042	0.4	4	0.8	40
DME0052	0.5	4	1	40
DME0062	0.6	4	1.2	40
DME0072	0.7	4	1.4	40
DME0082	0.8	4	1.6	40
DME0092	0.9	4	1.8	40
DME0102	1.0	4	2.5	40
DME0122	1.2	4	3	40
DME0142	1.4	4	3	40
DME0152	1.5	4	4	40
DME0162	1.6	4	4	40
DME0182	1.8	4	5	40
DME0202	2.0	4	6	40
DME0252	2.5	4	8	40
DME0302	3.0	4	8	40

DMB

MG | 0.6 μm | 30° | 2 Flutes | HRc ▸60 | T2

微小徑圓頭立銑刀 End Mills — Micro Diameter



型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
DMB0032	R0.15	4	0.6	40
DMB0042	R0.2	4	0.8	40
DMB0052	R0.25	4	1	40
DMB0062	R0.3	4	1.2	40
DMB0072	R0.35	4	1.4	40
DMB0082	R0.4	4	1.6	40
DMB0102	R0.5	4	2	40
DMB0122	R0.6	4	2.4	40
DMB0142	R0.7	4	2.8	40
DMB0152	R0.75	4	3	40
DMB0162	R0.8	4	3.2	40
DMB0182	R0.9	4	3.6	40
DMB0202	R1.0	4	4	40
DMB0302	R1.5	4	6	40
DMB0402	R2.0	4	8	40

碳鋼切削系列

CARBON STEEL CUTTING SERIES

G7 鍍層專為高碳含量鋼材銑削設計，能顯著提升刀具壽命，確保穩定耐用的加工表現。適用於HRC18~45 的鋼材，如 S45C、SUS304、P20、NAK80，並廣泛應用於模具模座的側銑精加工，有效提升加工效率與精度。

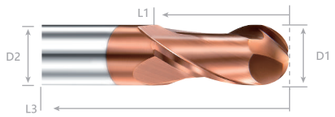
The G7 coating is specifically engineered for high-carbon steel milling, significantly enhancing tool life and ensuring superior durability. It is ideal for machining HRc18~45 steel materials such as S45C, SUS304, P20, and NAK80.

Additionally, it is widely used for precision side milling in mold base processing, optimizing efficiency and accuracy.

CBA 2T

MG 0.6 μm 30° 2Flutes HRc ▸55 G7

超微粒圓頭立銑刀
End Mills

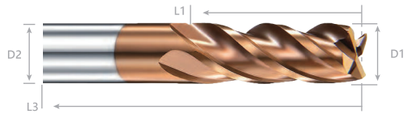


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
CBA0202	R1.0	4	4	50
CBA0202B	R1.0	6	4	50
CBA0252	R1.25	4	5	50
CBA0252B	R1.25	6	5	50
CBA0302	R1.5	4	6	50
CBA0302B	R1.5	6	6	50
CBA0402	R2.0	4	8	50
CBA0402B	R2.0	6	8	50
CBA0502	R2.5	6	10	50
CBA0602	R3.0	6	12	50
CBA0802	R4.0	8	16	60
CBA1002	R5.0	10	20	75
CBA1202	R6.0	12	24	75
CBA1602	R8.0	16	32	100

CDE 4T

MG 0.6 μm 35° 4Flutes HRc ▸50 G7

超微粒立銑刀
End Mills

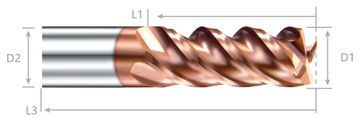


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
CDE0204	2.0	4	6	50
CDE0254	2.5	4	8	50
CDE0304	3.0	4	8	50
CDE0404	4.0	4	11	50
CDE0504	5.0	6	13	50
CDE0604	6.0	6	16	50
CDE0804	8.0	8	20	60
CDE1004	10.0	10	25	75
CDE1204	12.0	12	30	75
CDE1604	16.0	16	40	100

CEB 4T

MG 0.6 μm 45° 4Flutes HRc ▸60 G7

極超微粒立銑刀
End Mills

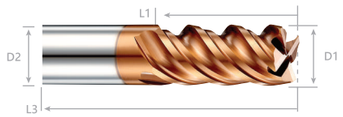


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
CEB0204S	2.0	4	6	50
CEB0204	2.0	6	6	50
CEB0254S	2.5	4	8	50
CEB0254	2.5	6	8	50
CEB0304S	3.0	4	8	50
CEB0304	3.0	6	8	50
CEB0354	3.5	6	10	50
CEB0404S	4.0	4	11	50
CEB0404	4.0	6	11	50
CEB0454	4.5	6	11	50
CEB0504	5.0	6	13	50
CEB0604	6.0	6	16	50
CEB0804	8.0	8	20	60
CEB1004Z	10.0	10	25	75
CEB1004	10.0	10	30	75
CEB1204	12.0	12	30	75
CEB1604	16.0	16	40	100

EPZ 4T

MG 0.6 μm 45° 4Flutes HRc ▸55 G7

抗震高效能立銑刀
End Mills

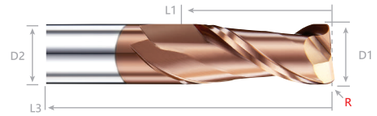


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
EPZ0304	3.0	6	6	50
EPZ0404	4.0	6	9	50
EPZ0504	5.0	6	11	50
EPZ0604	6.0	6	13	50
EPZ0804	8.0	8	16	60
EPZ1004	10.0	10	22	75
EPZ1204	12.0	12	26	75

CRA 2T

MG 0.6 μm 35° 2Flutes HRc ▸50 R G7

超微粒圓鼻角立銑刀
End Mills

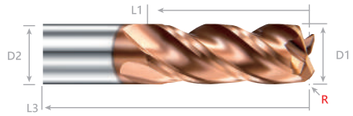


型號 Type NO.	直徑 D1	柄徑 D2	R角 R	刃長 L1	全長 L3
CRA0205	2.0	4	0.5	6	50
CRA0305	3.0	3	0.5	8	50
CRA0405	4.0	4	0.5	10	50
CRA0410	4.0	4	1.0	10	50
CRA0505	5.0	6	0.5	13	50
CRA0510	5.0	6	1.0	13	50
CRA0605	6.0	6	0.5	16	50
CRA0610	6.0	6	1.0	16	50
CRA0805	8.0	8	0.5	19	60
CRA0810	8.0	8	1.0	19	60
CRA1005	10.0	10	0.5	25	75
CRA1010	10.0	10	1.0	25	75
CRA1015	10.0	10	1.5	25	75
CRA1020	10.0	10	2.0	25	75
CRA1210	12.0	12	1.0	30	75
CRA1220	12.0	12	2.0	30	75

CRD 4T

MG 0.6 μm 35° 4Flutes HRc ▸50 R G7

超微粒圓鼻角立銑刀
End Mills

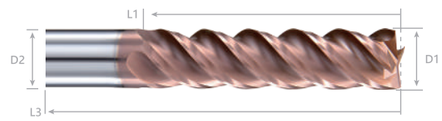


型號 Type NO.	直徑 D1	柄徑 D2	R角 R	刃長 L1	全長 L3
CRD0305	3.0	3	0.5	8	50
CRD0405	4.0	4	0.5	10	50
CRD0505	5.0	6	0.5	13	50
CRD0510	5.0	6	1.0	13	50
CRD0605	6.0	6	0.5	16	50
CRD0610	6.0	6	1.0	16	50
CRD0805	8.0	8	0.5	20	60
CRD0810	8.0	8	1.0	20	60
CRD1010	10.0	10	1.0	25	75
CRD1020	10.0	10	2.0	25	75
CRD1030	10.0	10	3.0	25	75
CRD1210	12.0	12	1.0	30	75
CRD1220	12.0	12	2.0	30	75
CRD1230	12.0	12	3.0	30	75

LFTC

MG 0.6 μm 45° 4Flutes HRc ▸55 G7

超微粒長刃立銑刀
End Mills



型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
LFTC0604	6.0	6	30	75
LFTC0804	8.0	8	40	100
LFTC1004L	10.0	10	50	100
LFTC1204L	12.0	12	50	100

石墨加工系列

GRAPHITE CUTTING SERIES

本系列刀具採用特殊鑽石 (DIAMOND) 塗層，極度耐磨，確保卓越的刀具壽命與穩定加工表現。

專為石墨及複合材料加工而設計，適用於石墨、CFRP（碳纖維強化塑料）、GFRP（玻璃纖維強化塑料）等高強度材料，提供高效、精確且耐用的加工解決方案。

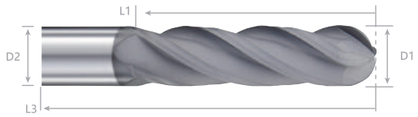
Our cutting tool series features a special Diamond coating with exceptional wear resistance, ensuring outstanding tool life and stable machining performance.

Specifically designed for graphite and composite material processing, it is ideal for machining graphite, CFRP (Carbon Fiber Reinforced Plastic), GFRP (Glass Fiber Reinforced Plastic), and other high-strength materials, providing efficient, precise, and durable cutting solutions.

GB

MG 0.6 μm 30° 4Flutes Diamond

石墨用圓頭立銑刀
Ball Nose End Mills



型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
GB0304	R1.5	3	12	50
GB0404	R2.0	4	15	50
GB0604	R3.0	6	20	60
GB0804	R4.0	8	22	60
GB1004	R5.0	10	25	75
GB0304M	R1.5	3	12	75
GB0404M	R2.0	4	15	75
GB0604M	R3.0	6	30	80
GB0604L	R3.0	6	30	100
GB0804M	R4.0	8	32	100
GB1004M	R5.0	10	40	100

GNB

MG 0.6 μm 30° 2Flutes Diamond

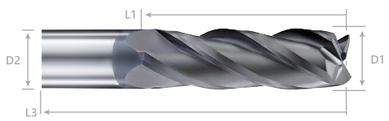
石墨用深溝圓頭立銑刀
Ball Nose End Mills

型號 Type NO.	直徑 D1	柄徑 D2	頸徑 D3	刃長 L1	有效長 L2	全長 L3
GNB0504	R0.25	4	0.46	1.5	4	50
GNB0506	R0.25	4	0.46	1.5	6	50
GNB0604	R0.3	4	0.55	2	4	50
GNB0606	R0.3	4	0.55	2	6	50
GNB0806	R0.4	4	0.75	2	6	50
GNB0808	R0.4	4	0.75	2	8	50
GNB1006	R0.5	4	0.95	2.5	6	50
GNB1010	R0.5	4	0.95	2.5	10	50
GNB1016	R0.5	4	0.95	2.5	16	50
GNB1508	R0.75	4	1.44	3	8	50
GNB1512	R0.75	4	1.44	3	12	50
GNB1516	R0.75	4	1.44	3	16	50
GNB1520	R0.75	4	1.44	3	20	50
GNB2010	R1.0	4	1.92	3	10	50
GNB2016	R1.0	4	1.92	3	16	50
GNB2020	R1.0	4	1.92	3	20	50
GNB3015	R1.5	4	2.9	4.5	15	60
GNB3030	R1.5	4	2.9	4.5	30	75
GNB4025	R2.0	6	3.9	6	25	60
GNB4035	R2.0	6	3.9	6	35	75
GNB6050	R3.0	6	5.8	9	50	100

GE

MG 0.6 μm 30° 4Flutes Diamond

石墨用立銑刀
End Mills



型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
GE0304	3.0	3	12	50
GE0404	4.0	4	15	50
GE0604	6.0	6	20	60
GE0804	8.0	8	22	60
GE1004	10.0	10	25	75
GE0304M	3.0	3	12	75
GE0404M	4.0	4	15	75
GE0604M	6.0	6	30	80
GE0804M	8.0	8	32	100
GE1004M	10.0	10	40	100

GNE

MG 0.6 μm 30° 2Flutes Diamond

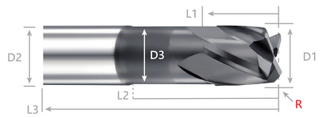
石墨用深溝立銑刀
End Mills

型號 Type NO.	直徑 D1	柄徑 D2	頸徑 D3	刃長 L1	有效長 L2	全長 L3
GNE0504	0.5	4	0.46	1.5	4	50
GNE0506	0.5	4	0.46	1.5	6	50
GNE0604	0.6	4	0.55	2	4	50
GNE0606	0.6	4	0.55	2	6	50
GNE0806	0.8	4	0.75	2	6	50
GNE0808	0.8	4	0.75	2	8	50
GNE1006	1.0	4	0.95	2.5	6	50
GNE1010	1.0	4	0.95	2.5	10	50
GNE1016	1.0	4	0.95	2.5	16	50
GNE1508	1.5	4	1.44	3	8	50
GNE1512	1.5	4	1.44	3	12	50
GNE1516	1.5	4	1.44	3	16	50
GNE2010	2.0	4	1.92	3	10	50
GNE2016	2.0	4	1.92	3	16	50
GNE3015	3.0	6	2.9	4.5	15	50
GNE3030	3.0	6	2.9	4.5	30	75
GNE4035	4.0	6	3.9	6	35	75
GNE6050	6.0	6	5.8	9	50	100

GPR

MG 0.6 μm 30° R 4Flutes Diamond

石墨用圓鼻角立銑刀
End Mills

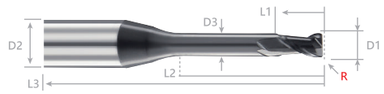


型號 Type NO.	直徑 D1	柄徑 D2	頸徑 D3	R角 R	刃長 L1	有效長 L2	全長 L3
GPR0305	3.0	4	2.9	0.5	3	12	50
GPR0405	4.0	4	3.9	0.5	4	12	50
GPR0605	6.0	6	5.8	0.5	6	15	50
GPR0605ML	6.0	6	5.8	0.5	6	15	100
GPR0610	6.0	6	5.8	1.0	6	15	50
GPR0610ML	6.0	6	5.8	1.0	6	15	100
GPR0805	8.0	8	7.7	0.5	8	20	60
GPR0805ML	8.0	8	7.7	0.5	8	20	100
GPR0810	8.0	8	7.7	1.0	8	20	60
GPR0810ML	8.0	8	7.7	1.0	8	20	100
GPR1010	10.0	10	9.6	1.0	10	25	75
GPR1010ML	10.0	10	9.6	1.0	10	25	100
GPR1020	10.0	10	9.6	2.0	10	25	75
GPR1020ML	10.0	10	9.6	2.0	10	25	100
GPR1210	12.0	12	11.5	1.0	12	30	75
GPR1220	12.0	12	11.5	2.0	12	30	75

GNER

MG 0.6 μm 30° R 2Flutes Diamond

石墨用深溝圓鼻立銑刀
End Mills

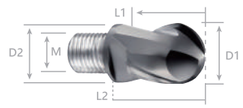


型號 Type NO.	直徑 D1	柄徑 D2	頸徑 D3	R角 R	刃長 L1	有效長 L2	全長 L3
GNER100602	1.0	4	0.95	0.2	1.5	6	50
GNER100802	1.0	4	0.95	0.2	1.5	8	50
GNER101002	1.0	4	0.95	0.2	1.5	10	50
GNER101202	1.0	4	0.95	0.2	1.5	12	50
GNER150802	1.5	4	1.44	0.2	2	8	50
GNER151002	1.5	4	1.44	0.2	2	10	50
GNER151202	1.5	4	1.44	0.2	2	12	50
GNER151602	1.5	4	1.44	0.2	2	16	50
GNER200802	2.0	4	1.92	0.2	3	8	50
GNER201002	2.0	4	1.92	0.2	3	10	50
GNER201202	2.0	4	1.92	0.2	3	12	50
GNER201602	2.0	4	1.92	0.2	3	16	50
GNER202002	2.0	4	1.92	0.2	3	20	50
GNER251002	2.5	4	2.4	0.2	3	10	50
GNER251202	2.5	4	2.4	0.2	3	12	50
GNER251602	2.5	4	2.4	0.2	3	16	50
GNER252002	2.5	4	2.4	0.2	3	20	50
GNER301002	3.0	6	2.9	0.2	4	10	50
GNER301202	3.0	6	2.9	0.2	4	12	50
GNER301602	3.0	6	2.9	0.2	4	16	50
GNER302002	3.0	6	2.9	0.2	4	20	60
GNER302502	3.0	6	2.9	0.2	4	25	60
GNER303002	3.0	6	2.9	0.2	4	30	75

X-GB2T

MG 0.6 μm 30° 2Flutes Diamond

石墨用超微粒圓頭立銑刀頭
Ball Nose End Mills

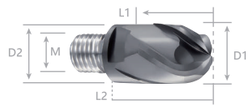


型號 Type NO.	直徑 D1	頸徑 D2	刃長 L1	全長 L2	螺牙 M	鎖緊扳手型號 Spanner Type NO.
X-GB0802	R4.0	7.8	8	12.1	M5-3P	K08
X-GB1002	R5.0	9.8	10	16.1	M7-3P	K10
X-GB1202	R6.0	11.7	12	20.3	M8-3P	K12
X-GB1602	R8.0	15.6	16	25.7	M10-3P	K16

X-GB4T

MG 0.6 μm 30° 4Flutes Diamond

石墨用超微粒圓頭立銑刀頭
Ball Nose End Mills



型號 Type NO.	直徑 D1	頸徑 D2	刃長 L1	全長 L2	螺牙 M	鎖緊扳手型號 Spanner Type NO.
X-GB0804	R4.0	7.8	8	12.1	M5-3P	K08
X-GB1004	R5.0	9.8	10	16.1	M7-3P	K10
X-GB1204	R6.0	11.7	12	20.3	M8-3P	K12
X-GB1604	R8.0	15.6	16	25.7	M10-3P	K16

X-GE

MG 0.6 μm 30° 4Flutes Diamond

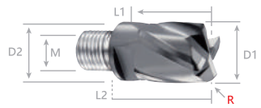
石墨用超微粒立銑刀頭
End Mills

型號 Type NO.	直徑 D1	頸徑 D2	刃長 L1	全長 L2	螺牙 M	鎖緊扳手型號 Spanner Type NO.
X-GE0804	8.0	7.8	8	12.1	M5-3P	K08
X-GE1004	10.0	9.8	10	16.1	M7-3P	K10
X-GE1204	12.0	11.7	12	20.3	M8-3P	K12
X-GE1604	16.0	15.6	16	25.7	M10-3P	K16

X-GPR

MG 0.6 μm 30° R 4Flutes Diamond

石墨用圓鼻角立銑刀頭
End Mills



型號 Type NO.	直徑 D1	頸徑 D2	R角 R	刃長 L1	全長 L2	螺牙 M	鎖緊扳手型號 Spanner Type NO.
X-GPR0805	8.0	7.8	0.5	8	12.1	M5-3P	K08
X-GPR0810	8.0	7.8	1.0	8	12.1	M5-3P	K08
X-GPR1005	10.0	9.8	0.5	10	16.1	M7-3P	K10
X-GPR1010	10.0	9.8	1.0	10	16.1	M7-3P	K10
X-GPR1210	12.0	11.7	1.0	12	20.3	M8-3P	K12
X-GPR1220	12.0	11.7	2.0	12	20.3	M8-3P	K12
X-GPR1610	16.0	15.6	1.0	16	25.7	M10-3P	K16
X-GPR1620	16.0	15.6	2.0	16	25.7	M10-3P	K16
X-GPR1630	16.0	15.6	3.0	16	25.7	M10-3P	K16

複合材料加工系列

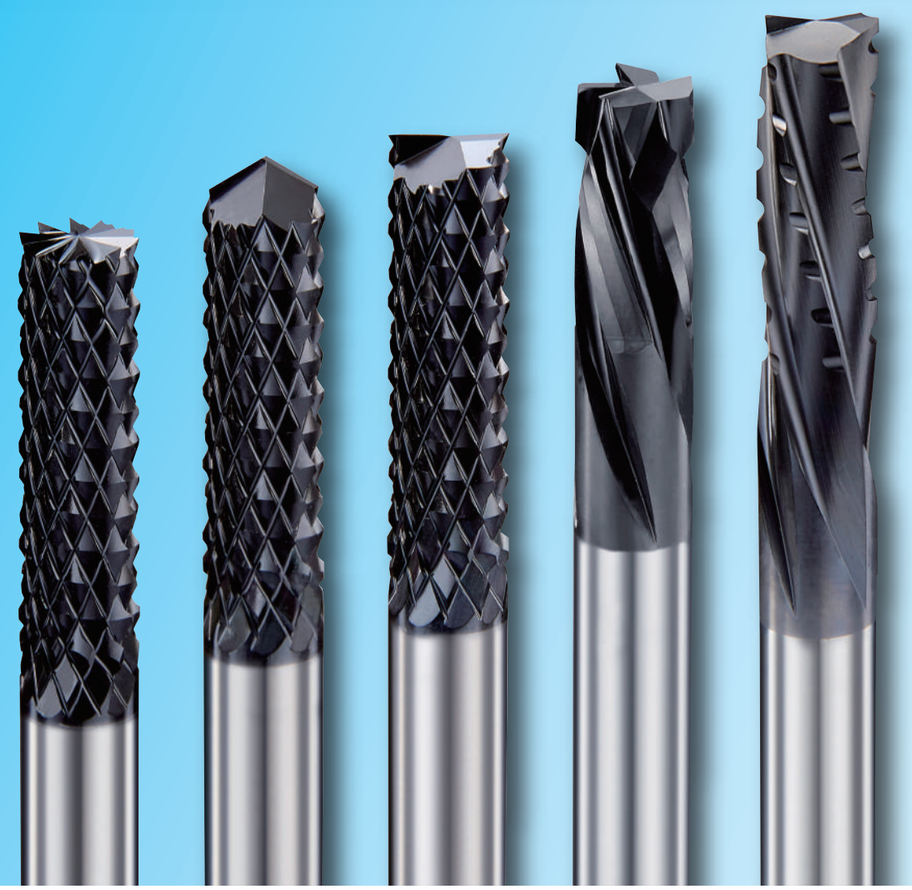
COMPOSITE MATERIALS

本系列刀具專為複合材料加工需求而設計，具備完美的幾何結構，有效防止加工時的纖維斷裂與脫層，並確保卓越的表面光潔度。

適用於石墨、CFRP（碳纖維強化塑料）、GFRP（玻璃纖維強化塑料）等高強度材料加工。產品採用 DIAMOND CVD 金剛石鍍層，大幅降低摩擦係數，提供卓越的耐磨性，顯著延長刀具壽命，確保高效、穩定的加工表現。

This cutting tool series is specifically designed for composite material machining, featuring an optimized geometric structure that prevents fiber breakage and delamination while delivering exceptional surface finish.

Ideal for processing graphite, CFRP (Carbon Fiber Reinforced Plastic), and GFRP (Glass Fiber Reinforced Plastic), our tools utilize Diamond CVD coating to reduce friction, enhance wear resistance, and significantly extend tool life. This ensures efficient, precise, and reliable machining performance.



FPA

MG | 0.6 μm | 25° | 27° | End | TiB | Diamond

鎢鋼複合材料專用銑刀
End Mills

型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
FPA0410	4.0	4	12	50
FPA0610	6.0	6	18	65
FPA0810	8.0	8	24	75
FPA1010	10.0	10	30	85
FPA1210	12.0	12	36	100

FPB

MG | 0.6 μm | 25° | 27° | End | Diamond

鎢鋼複合材料專用銑刀
End Mills

型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
FPB0411	4.0	4	12	50
FPB0611	6.0	6	18	65
FPB0811	8.0	8	24	75
FPB1011	10.0	10	30	85
FPB1211	12.0	12	36	100

FPC

MG | 0.6 μm | 25° | 27° | End | Diamond

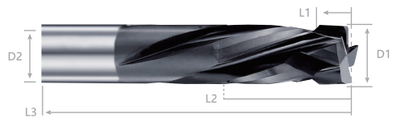
鎢鋼複合材料專用銑刀
End Mills

型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
FPC0410	4.0	4	12	50
FPC0610	6.0	6	18	65
FPC0810	8.0	8	24	75
FPC1010	10.0	10	30	85
FPC1210	12.0	12	36	100

FPD

MG | 0.6 μm | 20° | 20° | Zn | Diamond

鎢鋼複合材料專用銑刀
End Mills

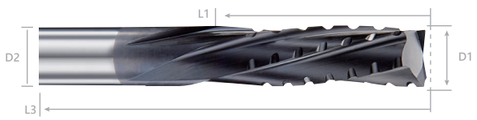


型號 Type NO.	直徑 D1	柄徑 D2	刃數 ZN	刃長 L1	刃長 L2	全長 L3
FPD0604	6.0	6	4	3.2	12	65
FPD0806	8.0	8	6	4.2	16	70
FPD1008	10.0	10	8	5.2	20	80
FPD1208	12.0	12	8	6.2	24	90

FPE

MG | 0.6 μm | 15° | Zn | Diamond

鎢鋼複合材料專用銑刀
End Mills



型號 Type NO.	直徑 D1	柄徑 D2	刃數 ZN	刃長 L1	全長 L3
FPE0605	6.0	6	5	18	70
FPE0805	8.0	8	6	24	80
FPE1008	10.0	10	8	30	90
FPE1209	12.0	12	9	36	110
FPE1611	16.0	16	11	48	125

EXCHANGEABLE HEAD ENDMILL 2
HSC & HHC
HIGH PERFORMANCE
UNEQUAL FLUTE SPACING VARIABLE HELIX
MIRCRO DIAMETER LONG NECK
STANDARD SERIES
SOFT MATERIALS
AEROSPACE TITANIUM SERIES
STAINLESS STEEL CUTTING
ECONOMY SERIES
CARBON STEEL CUTTING
GRAPHITE CUTTING
COMPOSITE MATERIALS CUTTING
CARBIDE DRILLS
THREAD MILLING TOOLS
THROW-AWAY INSERT

鎢鋼鑽頭系列

CARBIDE DRILL SERIES

可鑽孔加工的材料硬度為HRC18~HRC62，鑽孔深度有3D, 5D, 8D以及帶內冷孔和不帶內冷孔形式。

其中包含DAQ和DBQ經濟實惠型鎢鋼鑽頭、DAM和DBM微小徑鎢鋼鑽頭(最小值徑為0.5MM)，以及專用於難切削材料的新上市產品 – DAN等產品供客戶做選擇。

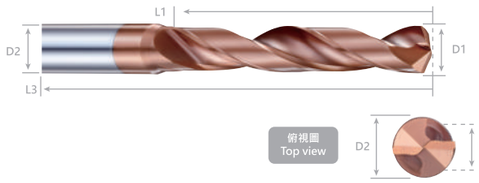
It has the ability to drill materials with a hardness level between HRc18 and HRc62. There is 3D, 4D, and 5D flute length options (either with or without internal coolant hole) for our customers.

DAQ and DBQ are more economical choices; DAM and DBM under micro diameter series have the smallest diameter (0.5 mm); for difficult-to-cut materials, we also have our newly launched end mill – DAN for customers to choose or consider in their buying decision.

DAK

MG | 0.6 μm | 3D | 30° | 2Flutes | 140° | P POLISH | XR XRType | HRc ▸52 | G10

鎢鋼鑽頭 Carbide Drills

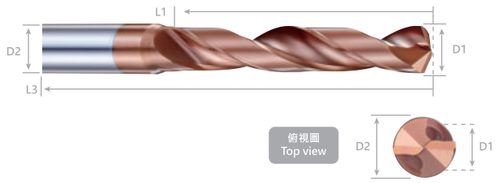


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
DAK030	3.0	6	20	62
DAK031	3.1	6	20	62
DAK032	3.2	6	20	62
DAK033	3.3	6	20	62
DAK034	3.4	6	20	62
DAK035	3.5	6	20	62
DAK036	3.6	6	20	62
DAK037	3.7	6	20	62
DAK038	3.8	6	24	66
DAK039	3.9	6	24	66
DAK040	4.0	6	24	66
DAK041	4.1	6	24	66
DAK042	4.2	6	24	66
DAK043	4.3	6	24	66
DAK044	4.4	6	24	66
DAK045	4.5	6	24	66
DAK046	4.6	6	24	66
DAK047	4.7	6	24	66
DAK048	4.8	6	28	66
DAK049	4.9	6	28	66
DAK050	5.0	6	28	66
DAK051	5.1	6	28	66
DAK052	5.2	6	28	66
DAK053	5.3	6	28	66
DAK054	5.4	6	28	66
DAK055	5.5	6	28	66
DAK056	5.6	6	28	66
DAK057	5.7	6	28	66
DAK058	5.8	6	28	66
DAK059	5.9	6	28	66
DAK060	6.0	6	28	66
DAK061	6.1	8	34	79
DAK062	6.2	8	34	79
DAK063	6.3	8	34	79
DAK064	6.4	8	34	79
DAK065	6.5	8	34	79
DAK066	6.6	8	34	79
DAK067	6.7	8	34	79
DAK068	6.8	8	34	79
DAK069	6.9	8	34	79
DAK070	7.0	8	34	79
DAK071	7.1	8	41	79
DAK072	7.2	8	41	79
DAK073	7.3	8	41	79
DAK074	7.4	8	41	79
DAK075	7.5	8	41	79
DAK076	7.6	8	41	79
DAK077	7.7	8	41	79
DAK078	7.8	8	41	79
DAK079	7.9	8	41	79
DAK080	8.0	8	41	79
DAK081	8.1	10	47	89
DAK082	8.2	10	47	89
DAK083	8.3	10	47	89
DAK084	8.4	10	47	89
DAK085	8.5	10	47	89
DAK086	8.6	10	47	89
DAK087	8.7	10	47	89
DAK088	8.8	10	47	89
DAK089	8.9	10	47	89
DAK090	9.0	10	47	89

DAK

MG | 0.6 μm | 3D | 30° | 2Flutes | 140° | P POLISH | XR XRType | HRc ▸52 | G10

鎢鋼鑽頭 Carbide Drills



型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
DAK091	9.1	10	47	89
DAK092	9.2	10	47	89
DAK093	9.3	10	47	89
DAK094	9.4	10	47	89
DAK095	9.5	10	47	89
DAK096	9.6	10	47	89
DAK097	9.7	10	47	89
DAK098	9.8	10	47	89
DAK099	9.9	10	47	89
DAK100	10.0	10	47	89
DAK101	10.1	12	55	102
DAK102	10.2	12	55	102
DAK103	10.3	12	55	102
DAK104	10.4	12	55	102
DAK105	10.5	12	55	102
DAK106	10.6	12	55	102
DAK107	10.7	12	55	102
DAK108	10.8	12	55	102
DAK109	10.9	12	55	102
DAK110	11.0	12	55	102
DAK111	11.1	12	55	102
DAK112	11.2	12	55	102
DAK113	11.3	12	55	102
DAK114	11.4	12	55	102
DAK115	11.5	12	55	102
DAK116	11.6	12	55	102
DAK117	11.7	12	55	102
DAK118	11.8	12	55	102
DAK119	11.9	12	55	102
DAK120	12.0	12	55	102
DAK123	12.3	14	60	107
DAK125	12.5	14	60	107
DAK128	12.8	14	60	107
DAK130	13.0	14	60	107
DAK135	13.5	14	60	107
DAK138	13.8	14	60	107
DAK140	14.0	14	60	107
DAK145	14.5	16	65	115
DAK148	14.8	16	65	115
DAK150	15.0	16	65	115
DAK155	15.5	16	65	115
DAK158	15.8	16	65	115
DAK160	16.0	16	65	115
DAK165	16.5	18	73	123
DAK168	16.8	18	73	123
DAK170	17.0	18	73	123
DAK175	17.5	18	73	123
DAK178	17.8	18	73	123
DAK180	18.0	18	73	123
DAK185	18.5	20	79	131
DAK190	19.0	20	79	131
DAK195	19.5	20	79	131
DAK198	19.8	20	79	131
DAK200	20.0	20	79	131

DBK

MG | 0.6 μm | 30° | 2Flutes | 5D | 140° | P POLISH | XR XRType | HRc ▸52 | G10

鎢鋼鑽頭 Carbide Drills

型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
DBK030	3.0	6	28	66
DBK031	3.1	6	28	66
DBK032	3.2	6	28	66
DBK033	3.3	6	28	66
DBK034	3.4	6	28	66
DBK035	3.5	6	28	66
DBK036	3.6	6	28	66
DBK037	3.7	6	28	66
DBK038	3.8	6	36	74
DBK039	3.9	6	36	74
DBK040	4.0	6	36	74
DBK041	4.1	6	36	74
DBK042	4.2	6	36	74
DBK043	4.3	6	36	74
DBK044	4.4	6	36	74
DBK045	4.5	6	36	74
DBK046	4.6	6	36	74
DBK047	4.7	6	36	74
DBK048	4.8	6	44	82
DBK049	4.9	6	44	82
DBK050	5.0	6	44	82
DBK051	5.1	6	44	82
DBK052	5.2	6	44	82
DBK053	5.3	6	44	82
DBK054	5.4	6	44	82
DBK055	5.5	6	44	82
DBK056	5.6	6	44	82
DBK057	5.7	6	44	82
DBK058	5.8	6	44	82
DBK059	5.9	6	44	82
DBK060	6.0	6	44	82
DBK061	6.1	8	53	91
DBK062	6.2	8	53	91
DBK063	6.3	8	53	91
DBK064	6.4	8	53	91
DBK065	6.5	8	53	91
DBK066	6.6	8	53	91
DBK067	6.7	8	53	91
DBK068	6.8	8	53	91
DBK069	6.9	8	53	91
DBK070	7.0	8	53	91
DBK071	7.1	8	53	91
DBK072	7.2	8	53	91
DBK073	7.3	8	53	91
DBK074	7.4	8	53	91
DBK075	7.5	8	53	91
DBK076	7.6	8	53	91
DBK077	7.7	8	53	91
DBK078	7.8	8	53	91
DBK079	7.9	8	53	91
DBK080	8.0	8	53	91
DBK081	8.1	10	61	103
DBK082	8.2	10	61	103
DBK083	8.3	10	61	103
DBK084	8.4	10	61	103
DBK085	8.5	10	61	103
DBK086	8.6	10	61	103
DBK087	8.7	10	61	103
DBK088	8.8	10	61	103
DBK089	8.9	10	61	103
DBK090	9.0	10	61	103

DBK

MG | 0.6 μm | 30° | 2Flutes | 5D | 140° | P POLISH | XR XRType | HRc ▸52 | G10

鎢鋼鑽頭 Carbide Drills

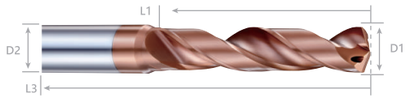
型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
DBK091	9.1	10	61	103
DBK092	9.2	10	61	103
DBK093	9.3	10	61	103
DBK094	9.4	10	61	103
DBK095	9.5	10	61	103
DBK096	9.6	10	61	103
DBK097	9.7	10	61	103
DBK098	9.8	10	61	103
DBK099	9.9	10	61	103
DBK100	10.0	10	61	103
DBK101	10.1	12	71	118
DBK102	10.2	12	71	118
DBK103	10.3	12	71	118
DBK104	10.4	12	71	118
DBK105	10.5	12	71	118
DBK106	10.6	12	71	118
DBK107	10.7	12	71	118
DBK108	10.8	12	71	118
DBK109	10.9	12	71	118
DBK110	11.0	12	71	118
DBK111	11.1	12	71	118
DBK112	11.2	12	71	118
DBK113	11.3	12	71	118
DBK114	11.4	12	71	118
DBK115	11.5	12	71	118
DBK116	11.6	12	71	118
DBK117	11.7	12	71	118
DBK118	11.8	12	71	118
DBK119	11.9	12	71	118
DBK120	12.0	12	71	118
DBK123	12.3	14	77	124
DBK125	12.5	14	77	124
DBK128	12.8	14	77	124
DBK130	13.0	14	77	124
DBK135	13.5	14	77	124
DBK138	13.8	14	77	124
DBK140	14.0	14	77	124
DBK145	14.5	16	83	133
DBK148	14.8	16	83	133
DBK150	15.0	16	83	133
DBK155	15.5	16	83	133
DBK158	15.8	16	83	133
DBK160	16.0	16	83	133
DBK165	16.5	18	93	143
DBK168	16.8	18	93	143
DBK170	17.0	18	93	143
DBK175	17.5	18	93	143
DBK178	17.8	18	93	143
DBK180	18.0	18	93	143
DBK185	18.5	20	101	153
DBK190	19.0	20	101	153
DBK195	19.5	20	101	153
DBK198	19.8	20	101	153
DBK200	20.0	20	101	153

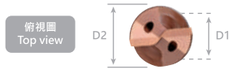
EXCHANGEABLE HEAD ENDMILL 2
HSC & HHC
HIGH PERFORMANCE
UNEQUAL FLUTE SPACING VARIABLE HELIX
MIRCRO DIAMETER LONG NECK
STANDARD SERIES
SOFT MATERIALS
AEROSPACE TITANIUM SERIES
STAINLESS STEEL CUTTING
ECONOMY SERIES
CARBON STEEL CUTTING
GRAPHITE CUTTING
COMPOSITE MATERIALS CUTTING
CARBIDE DRILLS
THREAD MILLING TOOLS
THROW-AWAY INSERT

DAO

MG | 0.6 μm | 30° | 2 Flutes | 3D | 140° | P POLISH | XR XR Type | HRc ▸52 | G10

鎢鋼鑽頭（內冷孔） Carbide Drills — Internal Coolant Hole



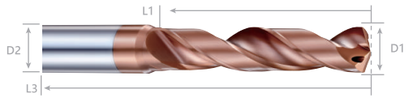


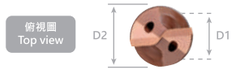
型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
DAO030	3.0	6	20	62
DAO031	3.1	6	20	62
DAO032	3.2	6	20	62
DAO033	3.3	6	20	62
DAO034	3.4	6	20	62
DAO035	3.5	6	20	62
DAO036	3.6	6	20	62
DAO037	3.7	6	20	62
DAO038	3.8	6	24	66
DAO039	3.9	6	24	66
DAO040	4.0	6	24	66
DAO041	4.1	6	24	66
DAO042	4.2	6	24	66
DAO043	4.3	6	24	66
DAO044	4.4	6	24	66
DAO045	4.5	6	24	66
DAO046	4.6	6	24	66
DAO047	4.7	6	24	66
DAO048	4.8	6	28	66
DAO049	4.9	6	28	66
DAO050	5.0	6	28	66
DAO051	5.1	6	28	66
DAO052	5.2	6	28	66
DAO053	5.3	6	28	66
DAO054	5.4	6	28	66
DAO055	5.5	6	28	66
DAO056	5.6	6	28	66
DAO057	5.7	6	28	66
DAO058	5.8	6	28	66
DAO059	5.9	6	28	66
DAO060	6.0	6	28	66
DAO061	6.1	8	34	79
DAO062	6.2	8	34	79
DAO063	6.3	8	34	79
DAO064	6.4	8	34	79
DAO065	6.5	8	34	79
DAO066	6.6	8	34	79
DAO067	6.7	8	34	79
DAO068	6.8	8	34	79
DAO069	6.9	8	34	79
DAO070	7.0	8	34	79
DAO071	7.1	8	41	79
DAO072	7.2	8	41	79
DAO073	7.3	8	41	79
DAO074	7.4	8	41	79
DAO075	7.5	8	41	79
DAO076	7.6	8	41	79
DAO077	7.7	8	41	79
DAO078	7.8	8	41	79
DAO079	7.9	8	41	79
DAO080	8.0	8	41	79
DAO081	8.1	10	47	89
DAO082	8.2	10	47	89
DAO083	8.3	10	47	89
DAO084	8.4	10	47	89
DAO085	8.5	10	47	89
DAO086	8.6	10	47	89
DAO087	8.7	10	47	89
DAO088	8.8	10	47	89
DAO089	8.9	10	47	89
DAO090	9.0	10	47	89

DAO

MG | 0.6 μm | 30° | 2 Flutes | 3D | 140° | P POLISH | XR XR Type | HRc ▸52 | G10

鎢鋼鑽頭（內冷孔） Carbide Drills — Internal Coolant Hole





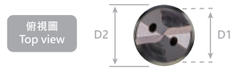
型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
DAO091	9.1	10	47	89
DAO092	9.2	10	47	89
DAO093	9.3	10	47	89
DAO094	9.4	10	47	89
DAO095	9.5	10	47	89
DAO096	9.6	10	47	89
DAO097	9.7	10	47	89
DAO098	9.8	10	47	89
DAO099	9.9	10	47	89
DAO100	10.0	10	47	89
DAO101	10.1	12	55	102
DAO102	10.2	12	55	102
DAO103	10.3	12	55	102
DAO104	10.4	12	55	102
DAO105	10.5	12	55	102
DAO106	10.6	12	55	102
DAO107	10.7	12	55	102
DAO108	10.8	12	55	102
DAO109	10.9	12	55	102
DAO110	11.0	12	55	102
DAO111	11.1	12	55	102
DAO112	11.2	12	55	102
DAO113	11.3	12	55	102
DAO114	11.4	12	55	102
DAO115	11.5	12	55	102
DAO116	11.6	12	55	102
DAO117	11.7	12	55	102
DAO118	11.8	12	55	102
DAO119	11.9	12	55	102
DAO120	12.0	12	55	102
DAO125	12.5	14	60	107
DAO130	13.0	14	60	107
DAO135	13.5	14	60	107
DAO140	14.0	14	60	107
DAO145	14.5	16	65	115
DAO150	15.0	16	65	115
DAO155	15.5	16	65	115
DAO160	16.0	16	65	115
DAO165	16.5	18	73	123
DAO170	17.0	18	73	123
DAO175	17.5	18	73	123
DAO180	18.0	18	73	123
DAO185	18.5	20	79	131
DAO190	19.0	20	79	131
DAO195	19.5	20	79	131
DAO200	20.0	20	79	131

內冷孔示意圖 Internal Coolant Hole Diagram

DAVO

MG | 0.6 μm | 30° | 2 Flutes | 3D | 140° | P POLISH | XR XR Type | HRc ▸45 | T1

鎢鋼鑽頭（內冷孔） Carbide Drills — Internal Coolant Hole



型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3	公制螺牙鑽孔尺寸備註 Metric Thread Drill Size
DAVO030	3.0	6	20	62	
DAVO031	3.1	6	20	62	
DAVO033	3.3	6	20	62	O
DAVO035	3.5	6	20	62	
DAVO040	4.0	6	24	66	
DAVO041	4.1	6	24	66	
DAVO042	4.2	6	24	66	O
DAVO045	4.5	6	24	66	
DAVO050	5.0	6	28	66	O
DAVO051	5.1	6	28	66	
DAVO055	5.5	6	28	66	
DAVO060	6.0	6	28	66	
DAVO065	6.5	8	34	79	
DAVO068	6.8	8	34	79	O
DAVO070	7.0	8	34	79	
DAVO075	7.5	8	41	79	
DAVO080	8.0	8	41	79	
DAVO085	8.5	10	47	89	O
DAVO087	8.7	10	47	89	
DAVO090	9.0	10	47	89	
DAVO100	10.0	10	47	89	
DAVO101	10.1	12	55	102	
DAVO103	10.3	12	55	102	O
DAVO110	11.0	12	55	102	
DAVO120	12.0	12	55	102	O

內冷孔示意圖 Internal Coolant Hole Diagram

附註 Note

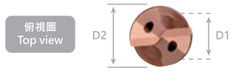
“O” 註記為公制螺牙鑽孔尺寸備註

“O”Refers to metric thread drill size.

DBO

MG | 0.6 μm | 30° | 2 Flutes | 5D | 140° | P POLISH | XR XR Type | HRc ▸52 | G10

鎢鋼鑽頭（內冷孔） Carbide Drills — Internal Coolant Hole

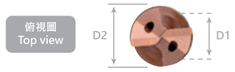


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
DBO030	3.0	6	28	66
DBO031	3.1	6	28	66
DBO032	3.2	6	28	66
DBO033	3.3	6	28	66
DBO034	3.4	6	28	66
DBO035	3.5	6	28	66
DBO036	3.6	6	28	66
DBO037	3.7	6	28	66
DBO038	3.8	6	36	74
DBO039	3.9	6	36	74
DBO040	4.0	6	36	74
DBO041	4.1	6	36	74
DBO042	4.2	6	36	74
DBO043	4.3	6	36	74
DBO044	4.4	6	36	74
DBO045	4.5	6	36	74
DBO046	4.6	6	36	74
DBO047	4.7	6	36	74
DBO048	4.8	6	44	82
DBO049	4.9	6	44	82
DBO050	5.0	6	44	82
DBO051	5.1	6	44	82
DBO052	5.2	6	44	82
DBO053	5.3	6	44	82
DBO054	5.4	6	44	82
DBO055	5.5	6	44	82
DBO056	5.6	6	44	82
DBO057	5.7	6	44	82
DBO058	5.8	6	44	82
DBO059	5.9	6	44	82
DBO060	6.0	6	44	82
DBO061	6.1	8	53	91
DBO062	6.2	8	53	91
DBO063	6.3	8	53	91
DBO064	6.4	8	53	91
DBO065	6.5	8	53	91
DBO066	6.6	8	53	91
DBO067	6.7	8	53	91
DBO068	6.8	8	53	91
DBO069	6.9	8	53	91
DBO070	7.0	8	53	91
DBO071	7.1	8	53	91
DBO072	7.2	8	53	91
DBO073	7.3	8	53	91
DBO074	7.4	8	53	91
DBO075	7.5	8	53	91
DBO076	7.6	8	53	91
DBO077	7.7	8	53	91
DBO078	7.8	8	53	91
DBO079	7.9	8	53	91
DBO080	8.0	8	53	91
DBO081	8.1	10	61	103
DBO082	8.2	10	61	103
DBO083	8.3	10	61	103
DBO084	8.4	10	61	103
DBO085	8.5	10	61	103
DBO086	8.6	10	61	103
DBO087	8.7	10	61	103
DBO088	8.8	10	61	103
DBO089	8.9	10	61	103
DBO090	9.0	10	61	103

DBO

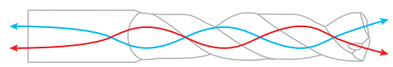
MG | 0.6 μm | 30° | 2 Flutes | 5D | 140° | P POLISH | XR XR Type | HRc ▸52 | G10

鎢鋼鑽頭（內冷孔） Carbide Drills — Internal Coolant Hole



型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
DBO091	9.1	10	61	103
DBO092	9.2	10	61	103
DBO093	9.3	10	61	103
DBO094	9.4	10	61	103
DBO095	9.5	10	61	103
DBO096	9.6	10	61	103
DBO097	9.7	10	61	103
DBO098	9.8	10	61	103
DBO099	9.9	10	61	103
DBO100	10.0	10	61	103
DBO101	10.1	12	71	118
DBO102	10.2	12	71	118
DBO103	10.3	12	71	118
DBO104	10.4	12	71	118
DBO105	10.5	12	71	118
DBO106	10.6	12	71	118
DBO107	10.7	12	71	118
DBO108	10.8	12	71	118
DBO109	10.9	12	71	118
DBO110	11.0	12	71	118
DBO111	11.1	12	71	118
DBO112	11.2	12	71	118
DBO113	11.3	12	71	118
DBO114	11.4	12	71	118
DBO115	11.5	12	71	118
DBO116	11.6	12	71	118
DBO117	11.7	12	71	118
DBO118	11.8	12	71	118
DBO119	11.9	12	71	118
DBO120	12.0	12	71	118
DBO125	12.5	14	77	124
DBO130	13.0	14	77	124
DBO135	13.5	14	77	124
DBO140	14.0	14	77	124
DBO145	14.5	16	83	133
DBO150	15.0	16	83	133
DBO155	15.5	16	83	133
DBO160	16.0	16	83	133
DBO165	16.5	18	93	143
DBO170	17.0	18	93	143
DBO175	17.5	18	93	143
DBO180	18.0	18	93	143
DBO185	18.5	20	101	153
DBO190	19.0	20	101	153
DBO195	19.5	20	101	153
DBO200	20.0	20	101	153

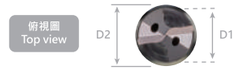
內冷孔示意圖 Internal Coolant Hole Diagram



DBVO

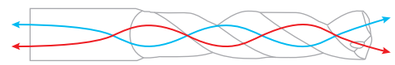
MG | 0.6 μm | 30° | 2 Flutes | 5D | 140° | P POLISH | XR XR Type | HRc ▸45 | T1

鎢鋼鑽頭（內冷孔） Carbide Drills — Internal Coolant Hole



型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3	公制螺牙鑽孔尺寸備註 Metric Thread Drill Size
DBVO030	3.0	6	28	66	
DBVO031	3.1	6	28	66	
DBVO033	3.3	6	28	66	O
DBVO035	3.5	6	28	66	
DBVO040	4.0	6	36	74	
DBVO041	4.1	6	36	74	
DBVO042	4.2	6	36	74	O
DBVO045	4.5	6	36	74	
DBVO050	5.0	6	44	82	O
DBVO051	5.1	6	44	82	
DBVO055	5.5	6	44	82	
DBVO060	6.0	6	44	82	
DBVO061	6.1	8	53	91	
DBVO065	6.5	8	53	91	
DBVO068	6.8	8	53	91	O
DBVO070	7.0	8	53	91	
DBVO071	7.1	8	53	91	
DBVO075	7.5	8	53	91	
DBVO080	8.0	8	53	91	
DBVO085	8.5	10	61	103	O
DBVO087	8.7	10	61	103	
DBVO090	9.0	10	61	103	
DBVO100	10.0	10	61	103	
DBVO110	11.0	12	71	118	
DBVO120	12.0	12	71	118	O

內冷孔示意圖 Internal Coolant Hole Diagram



附註 Note

"O" 註記為公制螺牙鑽孔尺寸備註

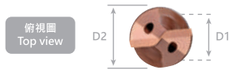
"O"Refers to metric thread drill size.

EXCHANGEABLE HEAD ENDMILL 2
HSC & HHC
HIGH PERFORMANCE
UNEQUAL FLUTE SPACING VARIABLE HELIX
MIRCRO DIAMETER LONG NECK
STANDARD SERIES
SOFT MATERIALS
AEROSPACE TITANIUM SERIES
STAINLESS STEEL CUTTING
ECONOMY SERIES
CARBON STEEL CUTTING
GRAPHITE CUTTING
COMPOSITE MATERIALS CUTTING
CARBIDE DRILLS
THREAD MILLING TOOLS
THROW-AWAY INSERT

DCO

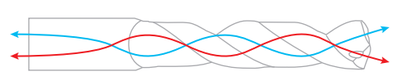
MG | 0.6 μm | 30° | 2 Flutes | 8D | 140° | P POLISH | XR XRtype | HRc ▸52 | G10

鎢鋼鑽頭（內冷孔） Carbide Drills — Internal Coolant Hole



型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
DCO040	4.0	6	43	81
DCO041	4.1	6	43	81
DCO042	4.2	6	43	81
DCO043	4.3	6	43	81
DCO044	4.4	6	43	81
DCO045	4.5	6	43	81
DCO046	4.6	6	43	81
DCO047	4.7	6	43	81
DCO048	4.8	6	57	95
DCO049	4.9	6	57	95
DCO050	5.0	6	57	95
DCO051	5.1	6	57	95
DCO052	5.2	6	57	95
DCO053	5.3	6	57	95
DCO054	5.4	6	57	95
DCO055	5.5	6	57	95
DCO056	5.6	6	57	95
DCO057	5.7	6	57	95
DCO058	5.8	6	57	95
DCO059	5.9	6	57	95
DCO060	6.0	6	57	95
DCO061	6.1	8	76	114
DCO062	6.2	8	76	114
DCO063	6.3	8	76	114
DCO064	6.4	8	76	114
DCO065	6.5	8	76	114
DCO066	6.6	8	76	114
DCO067	6.7	8	76	114
DCO068	6.8	8	76	114
DCO069	6.9	8	76	114
DCO070	7.0	8	76	114
DCO071	7.1	8	76	114
DCO072	7.2	8	76	114
DCO073	7.3	8	76	114
DCO074	7.4	8	76	114
DCO075	7.5	8	76	114
DCO076	7.6	8	76	114
DCO077	7.7	8	76	114
DCO078	7.8	8	76	114
DCO079	7.9	8	76	114
DCO080	8.0	8	76	114
DCO081	8.1	10	95	142
DCO082	8.2	10	95	142
DCO083	8.3	10	95	142
DCO084	8.4	10	95	142
DCO085	8.5	10	95	142
DCO086	8.6	10	95	142
DCO087	8.7	10	95	142
DCO088	8.8	10	95	142
DCO089	8.9	10	95	142
DCO090	9.0	10	95	142

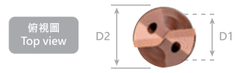
內冷孔示意圖
Internal Coolant Hole Diagram



DCO

MG | 0.6 μm | 30° | 2 Flutes | 8D | 140° | P POLISH | XR XRtype | HRc ▸52 | G10

鎢鋼鑽頭（內冷孔） Carbide Drills — Internal Coolant Hole



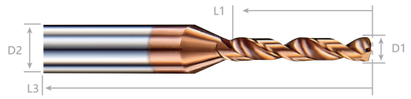
型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
DCO091	9.1	10	95	142
DCO092	9.2	10	95	142
DCO093	9.3	10	95	142
DCO094	9.4	10	95	142
DCO095	9.5	10	95	142
DCO096	9.6	10	95	142
DCO097	9.7	10	95	142
DCO098	9.8	10	95	142
DCO099	9.9	10	95	142
DCO100	10.0	10	95	142
DCO101	10.1	12	114	162
DCO102	10.2	12	114	162
DCO103	10.3	12	114	162
DCO104	10.4	12	114	162
DCO105	10.5	12	114	162
DCO106	10.6	12	114	162
DCO107	10.7	12	114	162
DCO108	10.8	12	114	162
DCO109	10.9	12	114	162
DCO110	11.0	12	114	162
DCO111	11.1	12	114	162
DCO112	11.2	12	114	162
DCO113	11.3	12	114	162
DCO114	11.4	12	114	162
DCO115	11.5	12	114	162
DCO116	11.6	12	114	162
DCO117	11.7	12	114	162
DCO118	11.8	12	114	162
DCO119	11.9	12	114	162
DCO120	12.0	12	114	162

內冷孔示意圖
Internal Coolant Hole Diagram

DAM

MG | 0.6 μm | 28° | 2 Flutes | 3D | 140° | S S Type | HRc ▸52 | G10

小徑鎢鋼鑽頭 Carbide Micro Drills

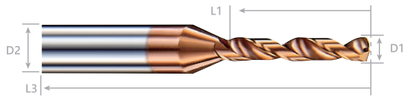


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
DAM005	0.5	3	4.6	38
DAM006	0.6	3	4.8	38
DAM007	0.7	3	5	38
DAM008	0.8	3	5.2	38
DAM009	0.9	3	5.4	38
DAM010	1.0	3	6	38
DAM011	1.1	3	12	50
DAM012	1.2	3	12	50
DAM013	1.3	3	12	50
DAM014	1.4	3	12	50
DAM015	1.5	3	12	50
DAM016	1.6	3	12	50
DAM017	1.7	3	12	50
DAM018	1.8	3	12	50
DAM019	1.9	3	12	50
DAM020	2.0	3	12	50
DAM021	2.1	3	18	60
DAM022	2.2	3	18	60
DAM023	2.3	3	18	60
DAM024	2.4	3	18	60
DAM025	2.5	3	18	60
DAM026	2.6	3	18	60
DAM027	2.7	3	18	60
DAM028	2.8	3	18	60
DAM029	2.9	3	18	60
DAM030	3.0	3	18	60

DBM

MG | 0.6 μm | 28° | 2 Flutes | 5D | 140° | S S Type | HRc ▸52 | G10

小徑鎢鋼鑽頭 Carbide Micro Drills

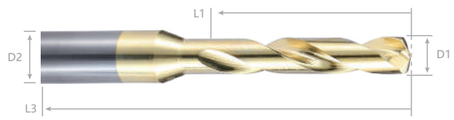


型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
DBM005	0.5	3	10	50
DBM006	0.6	3	10	50
DBM007	0.7	3	10	50
DBM008	0.8	3	10	50
DBM009	0.9	3	10	50
DBM010	1.0	3	10	50
DBM011	1.1	3	20	60
DBM012	1.2	3	20	60
DBM013	1.3	3	20	60
DBM014	1.4	3	20	60
DBM015	1.5	3	20	60
DBM016	1.6	3	20	60
DBM017	1.7	3	20	60
DBM018	1.8	3	20	60
DBM019	1.9	3	20	60
DBM020	2.0	3	20	60
DBM021	2.1	3	28	66
DBM022	2.2	3	28	66
DBM023	2.3	3	28	66
DBM024	2.4	3	28	66
DBM025	2.5	3	28	66
DBM026	2.6	3	28	66
DBM027	2.7	3	28	66
DBM028	2.8	3	28	66
DBM029	2.9	3	28	66
DBM030	3.0	3	28	66

DAN

MG | 0.6 μm | 30° | 3D | 140° | 2 Flutes | HRc ▸52 | G17

鎢鋼鑽頭 Carbide Drills



型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3	公制螺牙鑽孔尺寸標註 Metric Thread Drill Size
DAN025	2.5	6	14.3	62	O
DAN030	3.0	6	17.1	62	
DAN033	3.3	6	18.8	62	O
DAN035	3.5	6	20	62	
DAN040	4.0	6	22.8	66	
DAN042	4.2	6	24	66	O
DAN045	4.5	6	25.7	66	
DAN050	5.0	6	28.6	66	O
DAN055	5.5	6	31.4	66	
DAN060	6.0	6	34.3	66	
DAN065	6.5	8	37.1	79	
DAN068	6.8	8	38.8	79	O
DAN070	7.0	8	40	79	
DAN080	8.0	8	45.7	79	
DAN085	8.5	10	48.5	103	O
DAN087	8.7	10	49.7	103	
DAN090	9.0	10	51.4	103	
DAN100	10.0	10	57.1	103	
DAN102	10.2	12	58.2	118	O
DAN110	11.0	12	62.8	118	
DAN120	12.0	12	68.5	118	O

附註 Note

“O” 註記為公制螺牙鑽孔尺寸

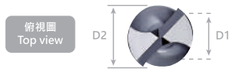
“O”Refers to metric thread drill size.

EXCHANGEABLE HEAD ENDMILL 2
HSC & HHC
HIGH PERFORMANCE
UNEQUAL FLUTE SPACING VARIABLE HELIX
MIRCRO DIAMETER LONG NECK
STANDARD SERIES
SOFT MATERIALS
AEROSPACE TITANIUM SERIES
STAINLESS STEEL CUTTING
ECONOMY SERIES
CARBON STEEL CUTTING
GRAPHITE CUTTING
COMPOSITE MATERIALS CUTTING
CARBIDE DRILLS
THREAD MILLING TOOLS
THROW-AWAY INSERT

DAQ

MG | 0.6 μm | 30° | 2 Flutes | 3D | 140° | P POLISH | XR XRType | HRc ▸45 | T1

鎢鋼鑽頭 Carbide Drills



型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
DAQ030	3.0	4	20	62
DAQ031	3.1	4	20	62
DAQ032	3.2	4	20	62
DAQ033	3.3	4	20	62
DAQ034	3.4	4	20	62
DAQ035	3.5	4	20	62
DAQ036	3.6	4	20	62
DAQ037	3.7	4	20	62
DAQ038	3.8	4	24	66
DAQ039	3.9	4	24	66
DAQ040	4.0	4	24	66
DAQ041	4.1	6	24	66
DAQ042	4.2	6	24	66
DAQ043	4.3	6	24	66
DAQ044	4.4	6	24	66
DAQ045	4.5	6	24	66
DAQ046	4.6	6	24	66
DAQ047	4.7	6	24	66
DAQ048	4.8	6	28	66
DAQ049	4.9	6	28	66
DAQ050	5.0	6	28	66
DAQ051	5.1	6	28	66
DAQ052	5.2	6	28	66
DAQ053	5.3	6	28	66
DAQ054	5.4	6	28	66
DAQ055	5.5	6	28	66
DAQ056	5.6	6	28	66
DAQ057	5.7	6	28	66
DAQ058	5.8	6	28	66
DAQ059	5.9	6	28	66
DAQ060	6.0	6	28	66
DAQ061	6.1	8	34	79
DAQ062	6.2	8	34	79
DAQ063	6.3	8	34	79
DAQ064	6.4	8	34	79
DAQ065	6.5	8	34	79
DAQ066	6.6	8	34	79
DAQ067	6.7	8	34	79
DAQ068	6.8	8	34	79
DAQ069	6.9	8	34	79
DAQ070	7.0	8	34	79
DAQ071	7.1	8	41	79
DAQ072	7.2	8	41	79
DAQ073	7.3	8	41	79
DAQ074	7.4	8	41	79
DAQ075	7.5	8	41	79
DAQ076	7.6	8	41	79
DAQ077	7.7	8	41	79
DAQ078	7.8	8	41	79
DAQ079	7.9	8	41	79
DAQ080	8.0	8	41	79
DAQ081	8.1	10	47	89
DAQ082	8.2	10	47	89
DAQ083	8.3	10	47	89
DAQ084	8.4	10	47	89
DAQ085	8.5	10	47	89
DAQ086	8.6	10	47	89
DAQ087	8.7	10	47	89
DAQ088	8.8	10	47	89
DAQ089	8.9	10	47	89
DAQ090	9.0	10	47	89

DAQ

MG | 0.6 μm | 30° | 2 Flutes | 3D | 140° | P POLISH | XR XRType | HRc ▸45 | T1

鎢鋼鑽頭 Carbide Drills

型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
DAQ091	9.1	10	47	89
DAQ092	9.2	10	47	89
DAQ093	9.3	10	47	89
DAQ094	9.4	10	47	89
DAQ095	9.5	10	47	89
DAQ096	9.6	10	47	89
DAQ097	9.7	10	47	89
DAQ098	9.8	10	47	89
DAQ099	9.9	10	47	89
DAQ100	10.0	10	47	89
DAQ101	10.1	12	55	102
DAQ102	10.2	12	55	102
DAQ103	10.3	12	55	102
DAQ104	10.4	12	55	102
DAQ105	10.5	12	55	102
DAQ106	10.6	12	55	102
DAQ107	10.7	12	55	102
DAQ108	10.8	12	55	102
DAQ109	10.9	12	55	102
DAQ110	11.0	12	55	102
DAQ111	11.1	12	55	102
DAQ112	11.2	12	55	102
DAQ113	11.3	12	55	102
DAQ114	11.4	12	55	102
DAQ115	11.5	12	55	102
DAQ116	11.6	12	55	102
DAQ117	11.7	12	55	102
DAQ118	11.8	12	55	102
DAQ119	11.9	12	55	102
DAQ120	12.0	12	55	102

DBQ

MG | 0.6 μm | 30° | 2 Flutes | 5D | 140° | P POLISH | XR XRType | HRc ▸45 | T1

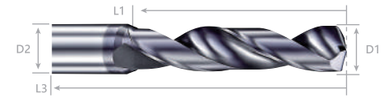
鎢鋼鑽頭 Carbide Drills

型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
DBQ030	3.0	6	28	66
DBQ031	3.1	6	28	66
DBQ032	3.2	6	28	66
DBQ033	3.3	6	28	66
DBQ034	3.4	6	28	66
DBQ035	3.5	6	28	66
DBQ036	3.6	6	28	66
DBQ037	3.7	6	28	66
DBQ038	3.8	6	36	74
DBQ039	3.9	6	36	74
DBQ040	4.0	6	36	74
DBQ041	4.1	6	36	74
DBQ042	4.2	6	36	74
DBQ043	4.3	6	36	74
DBQ044	4.4	6	36	74
DBQ045	4.5	6	36	74
DBQ046	4.6	6	36	74
DBQ047	4.7	6	36	74
DBQ048	4.8	6	44	82
DBQ049	4.9	6	44	82
DBQ050	5.0	6	44	82
DBQ051	5.1	6	44	82
DBQ052	5.2	6	44	82
DBQ053	5.3	6	44	82
DBQ054	5.4	6	44	82
DBQ055	5.5	6	44	82
DBQ056	5.6	6	44	82
DBQ057	5.7	6	44	82
DBQ058	5.8	6	44	82
DBQ059	5.9	6	44	82
DBQ060	6.0	6	44	82
DBQ061	6.1	8	53	91
DBQ062	6.2	8	53	91
DBQ063	6.3	8	53	91
DBQ064	6.4	8	53	91
DBQ065	6.5	8	53	91
DBQ066	6.6	8	53	91
DBQ067	6.7	8	53	91
DBQ068	6.8	8	53	91
DBQ069	6.9	8	53	91
DBQ070	7.0	8	53	91
DBQ071	7.1	8	53	91
DBQ072	7.2	8	53	91
DBQ073	7.3	8	53	91
DBQ074	7.4	8	53	91
DBQ075	7.5	8	53	91
DBQ076	7.6	8	53	91
DBQ077	7.7	8	53	91
DBQ078	7.8	8	53	91
DBQ079	7.9	8	53	91
DBQ080	8.0	8	53	91
DBQ081	8.1	10	61	103
DBQ082	8.2	10	61	103
DBQ083	8.3	10	61	103
DBQ084	8.4	10	61	103
DBQ085	8.5	10	61	103
DBQ086	8.6	10	61	103
DBQ087	8.7	10	61	103
DBQ088	8.8	10	61	103
DBQ089	8.9	10	61	103
DBQ090	9.0	10	61	103

DBQ

MG | 0.6 μm | 30° | 2 Flutes | 5D | 140° | P POLISH | XR XRType | HRc ▸45 | T1

鎢鋼鑽頭 Carbide Drills



型號 Type NO.	直徑 D1	柄徑 D2	刃長 L1	全長 L3
DBQ091	9.1	10	61	103
DBQ092	9.2	10	61	103
DBQ093	9.3	10	61	103
DBQ094	9.4	10	61	103
DBQ095	9.5	10	61	103
DBQ096	9.6	10	61	103
DBQ097	9.7	10	61	103
DBQ098	9.8	10	61	103
DBQ099	9.9	10	61	103
DBQ100	10.0	10	61	103
DBQ101	10.1	12	71	118
DBQ102	10.2	12	71	118
DBQ103	10.3	12	71	118
DBQ104	10.4	12	71	118
DBQ105	10.5	12	71	118
DBQ106	10.6	12	71	118
DBQ107	10.7	12	71	118
DBQ108	10.8	12	71	118
DBQ109	10.9	12	71	118
DBQ110	11.0	12	71	118
DBQ111	11.1	12	71	118
DBQ112	11.2	12	71	118
DBQ113	11.3	12	71	118
DBQ114	11.4	12	71	118
DBQ115	11.5	12	71	118
DBQ116	11.6	12	71	118
DBQ117	11.7	12	71	118
DBQ118	11.8	12	71	118
DBQ119	11.9	12	71	118
DBQ120	12.0	12	71	118

EXCHANGEABLE HEAD ENDMILL 2
HSC & HHC
HIGH PERFORMANCE
UNEQUAL FLUTE SPACING VARIABLE HELIX
MIRCRO DIAMETER LONG NECK
STANDARD SERIES
SOFT MATERIALS
AEROSPACE TITANIUM SERIES
STAINLESS STEEL CUTTING
ECONOMY SERIES
CARBON STEEL CUTTING
GRAPHITE CUTTING
COMPOSITE MATERIALS CUTTING
CARBIDE DRILLS
THREAD MILLING TOOLS
THROW-AWAY INSERT

螺紋銑刀
／捨棄式刀片

THREAD MILLING TOOLS
/ THROW-AWAY INSERT SERIES

螺紋銑刀系列　Thread milling tool series：

本系列螺紋銑刀採公制設計，效能卓越，壽命長，表面光潔度優於傳統螺絲攻。
即使斷裂亦可輕鬆取出，適用於內外螺紋、左右螺紋加工。

適用於 HRc18～HRc62 硬度範圍內的螺牙加工，「TW」系列適用於 HRc48 以下，
「HW」系列適用於 HRc48 以上。透過電腦程式控制，可自由應用並精確調整尺寸、
螺牙深度及公差，確保高效穩定的加工品質。

This metric thread milling cutter offers superior performance, durability, and surface finish over traditional taps. It supports internal/external and left/right threading and allows easy removal if broken.

The "TW" series suits HRc48 and below, while "HW" is for HRc48 and above. CNC control enables precise size, depth, and tolerance adjustments for efficient, stable machining.

捨棄式刀片系列　Throw-away Insert Series：

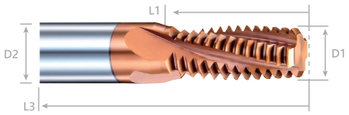
刀片採 2 刃球刀設計，規格與歐洲品牌相同，可單獨購買，且刀具壽命更勝同類型歐洲品牌。

The insert features a 2-flute ball nose design, matching European brand specifications. It is available for individual purchase and offers a longer tool life than similar European brands.

TW

MG | 0.6 μm | 15° | 4Flutes | 5Flutes | HRc ▸52 | G10

螺紋銑刀
Thread Milling

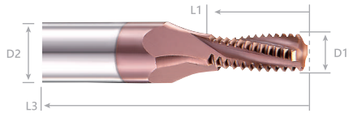


型號 Type NO.	直徑 D1	柄徑 D2	刃數 N	刃長 L1	全長 L3	螺距 Pitch	螺牙 M
TW02305M3050	2.3	6	3	5.2	40	0.5	M3
TW02307M3050	2.3	6	3	7.2	40	0.5	M3
TW03007M4070	3.0	6	3	7.28	40	0.7	M4
TW03010M4070	3.0	6	3	10.08	40	0.7	M4
TW03809M5080	3.8	6	3	9.12	50	0.8	M5
TW03812M5080	3.8	6	3	12.32	50	0.8	M5
TW04511M6100	4.5	6	3	10.4	60	1	M6
TW04515M6100	4.5	6	3	14.4	60	1	M6
TW06014M8125	6.0	8	3	14.25	60	1.25	M8
TW06019M8125	6.0	8	3	19.25	60	1.25	M8
TW07517M10150	7.5	8	3	17.1	60	1.5	M10
TW07525M10150	7.5	8	3	24.6	75	1.5	M10
TW08020M12175	8.0	8	3	19.95	60	1.75	M12
TW08029M12175	8.0	8	3	28.7	75	1.75	M12
TW09020M12175	9.0	10	4	19.95	75	1.75	M12
TW09029M12175	9.0	10	4	28.7	75	1.75	M12
TW10027M14200	10.0	10	4	26.8	75	2	M14
TW10039M14200	10.0	10	4	38.8	100	2	M14
TW12027M16200	12.0	12	4	26.8	80	2	M16
TW12039M16200	12.0	12	4	38.8	100	2	M16
TW12031M18250	12.0	12	4	31.0	100	2.5	M18
TW12045M18250	12.0	12	4	43.5	100	2.5	M18
TW14034M20250	14.0	14	4	33.5	100	2.5	M20
TW14049M20250	14.0	14	4	48.5	100	2.5	M20
TW16041M24300	16.0	16	5	40.2	100	3	M24
TW16059M24300	16.0	16	5	58.2	120	3	M24

HW

Super MG | 0.2 μm | 15° | 4Flutes | HRc ▸62 | G12

高硬度用螺紋銑刀
Thread Milling



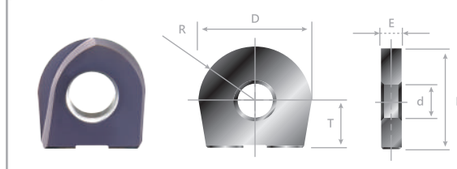
型號 Type NO.	直徑 D1	柄徑 D2	刃數 N	刃長 L1	全長 L3	螺距 Pitch	M 螺牙適用規格 Applicable Size 粗牙 Coarse	細牙 Fine
HW0230505	2.3	6	4	5.2	40	0.5	M3	≧M4
HW0230705	2.3	6	4	7.2	40	0.5	M3	≧M4
HW0300707	3.0	6	4	7.28	40	0.7	M4	
HW0301007	3.0	6	4	10.08	40	0.7	M4	
HW0380908	3.8	6	4	9.12	50	0.8	M5	
HW0381208	3.8	6	4	12.32	50	0.8	M5	
HW0451110	4.5	6	4	10.4	60	1	M6	≧M8
HW0451510	4.5	6	4	14.4	60	1	M6	≧M8
HW06014125	6.0	6	4	14.25	60	1.25	M8	≧M10
HW06019125	6.0	6	4	19.25	60	1.25	M8	≧M10

WTB

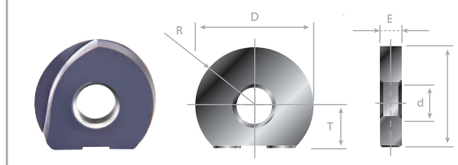
MG | 0.6 μm | 2Flutes | HRc ▸50 | T2

精密級捨棄式球刀片
Precision Throw-away Ball Nose Insert

Type A



Type B



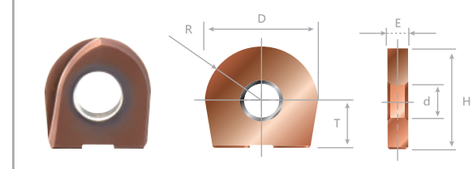
型號 Type NO.	R	D	d	T	E	H	Type
WTB010	R5.0	10	4	5	2.5	11.5	A
WTB012	R6.0	12	5	6	2.5	12	A
WTB016	R8.0	16	5	6	3	14	B
WTB020	R10.0	20	5	6	3	16	B
WTB025	R12.5	25	6	9	4	21.5	B
WTB030	R15.0	30	8	10	5	25	B
WTB032	R16.0	32	8	10	5	26	B

WGB

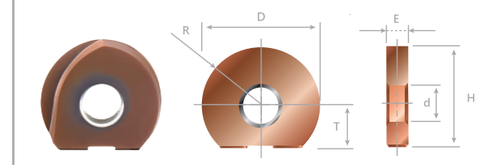
MG | 0.6 μm | 2Flutes | HRc ▸52 | G7

精密級捨棄式球刀片
Precision Throw-away Ball Nose Insert

Type A



Type B



型號 Type NO.	R	D	d	T	E	H	Type
WGB010	R5	10	4	5	2.5	11.5	A
WGB012	R6	12	5	6	2.5	12	A
WGB016	R8	16	5	6	3	14	B
WGB020	R10	20	5	6	3	16	B
WGB025	R12.5	25	6	9	4	21.5	B
WGB030	R15	30	8	10	5	25	B
WGB032	R16	32	8	10	5	26	B

V-WB

Tool Steel

精密級鎖牙式球刀
Precision Screw-on Type Ball Nose Insert Holder

附註 Note

V-WB產品配合二代變形鎢鋼刀桿使用。

V-WB can combine with our II Exchangeable Carbide Shank.

型號 Type NO.	直徑 D1	頸徑 D2	螺牙 M	全長 L2	鎖固扳手型號 Spanner Type NO.
V-WB010	10.0	9.8	M7-3P	21.2	K10
V-WB012	12.0	11.7	M8-3P	23.9	K12
V-WB016	16.0	15.6	M10-3P	29.9	K16
V-WB020	20.0	19.5	M12-3P	34.8	K20
V-WB025	25.0	24.4	M16-3P	41.6	K25
V-WB030	30.0	28	M16-3P	48.2	K25
V-WB032	32.0	31.2	M20-3P	51.7	K32

DHF刀具推薦表
鍍層推薦表

RECOMMENDATION OF DHF ENDMILLS & COATING

DHF 刀具推薦表
SELECTION OF DHF ENDMILLS

高速高硬度/破壞王/鋁用加工/標準/鈦好切/不鏽鋼/沖 (系列)
HSC / HPC/ ALU / STD / TAI/ SUS /ECM SERIES

粗銑 Roughing

粗銑 Roughing	平刀 End Mill			圓鼻刀 Corner Radius End Mill			球刀 Ball Nose End Mill		
被切削材 Working Material	第一推薦 First Selection	第二推薦 Second Selection	第三推薦 Third Selection	第一推薦 First Selection	第二推薦 Second Selection	第三推薦 Third Selection	第一推薦 First Selection	第二推薦 Second Selection	第三推薦 Third Selection
碳素鋼 Carbon Steels	UPZ XPZ XVO XEV UPG UEW-4T	UPS XEB XEA ETH ETB	ETA DE	UXR UPJ	RTB RTD RTA	DRD DRA	BTG	CBA BTB-2T BTH-2T	BTA-2T DB-2T
S50C/SS440:1.1210/ 1.0036:1050/A570 Gr.45 (~HRc22)	LEF XWB WWB	WWA-4T HTA HTD HEA IEA JEA LFTA LFTH	DHE DIE DJE	ULXR	LRTD LRTA	DLRD DLRA	BTG	HBH IBH JBH	HBA IBA JBA DHB DIB
合金工具鋼 碳工具鋼 Alloy Tool Steels Carbon Tool Steels	UPZ XPZ XVO XEV UPG UEW-4T	UPS XEB XEA ETH ETB	ETA DE	UXR UPJ	RTB RTD RTA	DRD DRA	BTG	BTB-2T BTH-2T	BTA-2T DB-2T
P20 / P5 / SK3 / SKD61 / SKD11 : 1.2311 / 1.1545 / 1.2379 / 1.2344 : H13 / D2 (HRc 23~32)	LEF XWB WWB	WWA-4T HTA HTD HEA IEA JEA LFTA LFTH	DHE DIE DJE	ULXR	LRTD LRTA	DLRD DLRA	BTG	HBH IBH JBH	HBA IBA JBA DHB DIB
調質鋼 預硬鋼 Prehardened Steels	UPZ XPZ XVO XEV UPG UEW-4T	UPS XEB XEA ETH ETB	ETA DE	UOR UXR UPJ	RTB RTD RTA	DRD DRA	BTG	BTB-2T BTH-2T	BTA-2T DB-2T
NAK80 : 1.2083 : AISI420 : M310 (HRc36~45)	LEF XWB WWB	WWA-4T HTA HTD HEA IEA JEA LFTA LFTH	DHE DIE DJE	ULXR	LRTD LRTA	DLRD DLRA	BTG	HBH IBH JBH	HBA IBA JBA DHB DIB
熱處理鋼 Hardened Steels	-	-	-	UEYR UOR	UPR UKR UXR	RTB RTD RTA	UQB UOB	UBT-2T UQB	UBG UB(G13) BTB-2T
SKD61/ STAVAX / 17-4PH : 1.2083 / 1.2344 / 1.4542 : H13 / 420 (HRc48~54)	-	-	-	-	ULXR ULR	LRTD	UHBT UIBT	UHB UIB	-
熱處理鋼 Hardened Steels	-	-	-	UEYR	UOR	-	UOB	UQB UBT-2T	UQB
SKD11 / SKH9 : 1.2379 / 1.3342 : D2 / M2 (HRc55~62)	-	-	-	-	-	-	UHBT UIBT	-	-

粗銑 Roughing	平刀 End Mill			圓鼻刀 Corner Radius End Mill			球刀 Ball Nose End Mill		
被切削材 Working Material	第一推薦 First Selection	第二推薦 Second Selection	第三推薦 Third Selection	第一推薦 First Selection	第二推薦 Second Selection	第三推薦 Third Selection	第一推薦 First Selection	第二推薦 Second Selection	第三推薦 Third Selection
鋁合金 Aluminum Alloy	AEW AES	UTH AEA	DC ETH ETD	AEWR AESR	AER	RTG	BTC	DBC	BTH-2T BTD-2T
5052/6061/7075	LEF	-	LFTH	-	-	-	HBC IBC JBC	HBH IBH JBH	-
紅銅 Copper	AES AEA	DC ETH	ETD HTD	AEWR AESR	AER	RTB RTG	BTC	UB BTH-2T	BTD-2T DBC
C1100/2.0090/ B152C11000	-	-	-	LRTD LRTA	DLRA DLRD	-	HBC IBC JBC	HBH IBH JBH	HBA IBA JBA DHB DIB
沃斯田鐵系不鏽鋼 Stainless Steels	UPZ XPZ XVO XEV UPG	UPS XEB ETH ETB	XEA ETA	KSR UPJ	RTB	RTD	UB(G13) BTG	BTH-2T	BTD-2T
SUS304 : 1.4301 : AISI 304 (HRc 28-32)	XWB WWB	WWA-4T LEF	LFTH	ULR ULXR	LRTD LRTA	DLRA	BTG	HBH IBH JBH	HBA IBA JBA
麻田散鐵，析出硬化系列不鏽鋼 Stainless Steels	UPZ XPZ XVO XEV UPG	UPS XEB ETH ETB	XEA ETA	KSR UPJ	RTB	RTD	UB(G13) BTG	BTH-2T	BTD-2T
SUS420J2 / SUS630 : 1.2083 / 1.4542 : AISI 420 / 17-4PH (HRc 28~32)	XWB WWB	WWA-4T LEF	LFTH	ULR ULXR	LRTD LRTA	DLRA	BTG	HBH IBH JBH	HBA IBA JBA
鈦合金 純鈦 Titanium Alloy Pure Titanium	XPZ XEV UTH UPW	ETH UPA AEW	UTE	KSR UTJ	UTER	RTB	UB(G13) BTG	BTC	UBX
Ti-6Al-4V / Ti-2 : 3.7165 / 3.7035 : Gr5 / Gr2 : TC4 / TA1	XWB WWB LEF	LFTH	-	ULXR	ULR	-	BTG	HBC IBC JBC	UHB UIB UJB

DHF 刀具推薦表
SELECTION OF DHF ENDMILLS

高速高硬度/破壞王/鋁用加工/標準/鈦好切/不鏽鋼/沖 (系列)
HSC / HPC/ ALU / STD / TAI/ SUS /ECM SERIES

精銑 Finishing

精銑 Finishing	平刀 End Mill			圓鼻刀 Corner Radius End Mill			球刀 Ball Nose End Mill		
被切削材 Working Material	第一推薦 First Selection	第二推薦 Second Selection	第三推薦 Third Selection	第一推薦 First Selection	第二推薦 Second Selection	第三推薦 Third Selection	第一推薦 First Selection	第二推薦 Second Selection	第三推薦 Third Selection
碳素鋼 Carbon Steels S50C / SS400 : 1.1210 / 1.0036 : 1050 / A570 Gr.45 (~HRc 22)	UET XEB XEA XEW(A)	XEW(B) XEH XEB ETG ETH ETB XEA	ETA DE	UXR RTB	RTD RTA	DRD DRA	UB(G13) BTG	CBA BTB BTH	BTA DB
	LEF ULE	HTA HTD HEA IEA JEA LFTA LFTH	DHE DIE DJE	ULXR ULR	LRTD LRTA	DLRD DLRA	UHB(G13) UIB(G13) BTG	HBH IBH JBH	HBA IBA JBA DHB DIB
合金工具鋼 碳工具鋼 Alloy Tool Steels Carbon Tool Steels P20 / P5 / SK3 / SKD61 / SKD11 : 1.2311 / 1.1545 / 1.2379 / 1.2344 : H13 / D2 (HRc 23~32)	VTA UPZ UET XEB XEA XEW(A)	XEW(B) XEH XEB ETG ETH ETB XEA	ETA DE	UXR UER	RTB RTD RTA	DRD DRA	UB(G13) BTG	BTB BTH	BTA DB
	LEF ULE	HTA HTD HEA IEA JEA LFTA LFTH	DHE DIE DJE	ULXR ULR	LRTD LRTA	DLRD DLRA	UHB(G13) UIB(G13) BTG	HBH IBH JBH	HBA IBA JBA DHB DIB
調質鋼 預硬鋼 Prehardened Steels NAK80 : 1.2083 : AISI420 : M310 (HRc36~45)	VTA UPZ XPZ UPS UET	XEH XEA XEB ETG ETH ETB	ETA DE	UXR UER	RTB RTD RTA	DRD DRA	UB(G13) BTG	BTB BTH	BTA DB
	LEF ULE	HTA HTD HEA IEA JEA LFTA LFTH	DHE DIE DJE	ULXR ULR	LRTD LRTA	DLRD DLRA	UHB(G13) UIB(G13) BTG	HBH IBH JBH	HBA IBA JBA DHB DIB
熱處理鋼 Hardened Steels SKD61/ STAVAX / 17-4PH : 1.2083 / 1.2344 / 1.4542 : H13 / 420 (HRc48~54)	UVT UEX	UEX UES VTA UET	XEB ETB ETA	UVTR UVR	UPR UGR UKR UXR	RTB RTD RTA	UQB UB	UQB UB(G13)	UB BTG BTB
	UEF ULE	LFTA	-	-	ULXR ULR	LRTD	UHB UIB USB	UHB(G13) UIB(G13)	UHBX UIBX
熱處理鋼 Hardened Steels SKD11 / SKH9 : 1.2379 / 1.3342 : D2 / M2 (HRc55~62)	UVT UEX	UEX UES	VTA UET	UVTR	UEYR	UPR UGR UVR	UQB	UB UQB UOB	UB(G13)
	-	-	-	-	-	-	UHB UIB USB	UHB(G13) UIB(G13) UHBT UIBT	UHBX UIBX

精銑 Finishing	平刀 End Mill			圓鼻刀 Corner Radius End Mill			球刀 Ball Nose End Mill		
被切削材 Working Material	第一推薦 First Selection	第二推薦 Second Selection	第三推薦 Third Selection	第一推薦 First Selection	第二推薦 Second Selection	第三推薦 Third Selection	第一推薦 First Selection	第二推薦 Second Selection	第三推薦 Third Selection
鋁合金 Aluminum Alloy 5052/6061/7075	AEM AES AET	AEA UTH	DC ETH	AESR	AER	RTB RTG	BTC	BTH	BTD DBC
	-	-	LFTH	-	LRTD	LRTA	HBC IBC JBC	HBH IBH JBH	-
紅銅 Copper C1100/2.0090/ B152C11000	AEM AES AET AEA	ETH ETB HTD	ETD ETA DC	AESR	AER ADR	RTB RTG	BTC	BTH	BTD DBC
	-	HEH IEH JEH LFTH	DHE DIE DJE	LRTD	LRTA	-	HBC IBC JBC	HBH IBH JBH	-
沃斯田鐵系不鏽鋼 Stainless Steels SUS304 : 1.4301 : AISI 304 (HRc 28-32)	VTB UPZ XPZ XEV XEW(A)	XEH UPS XEB ETH XEW(B)	XEA ETA	KSR	RTB	-	UB(G13) BTG	BTB BTH	BTA DB
	LEF	LETH	LFTA	ULR ULXR	LRTD	LRTA	UHB(G13) UIB(G13) BTG	HBH IBH JBH	HBA IBA JBA DHB DIB
麻田散鐵，析出硬化系列不鏽鋼 Stainless Steels SUS420J2 / SUS630 : 1.2083 / 1.4542 : AISI 420 / 17-4PH (HRc 28~32)	VTB UPZ XPZ XEV XEW(A)	XEH UPS XEB ETH XEW(B)	XEA ETA	KSR	RTB	-	UB(G13) BTG	BTB BTH	BTA DB
	LEF	LETH	LFTA	ULR ULXR	LRTD	LRTA	UHB(G13) UIB(G13) BTG	HBH IBH JBH	HBA IBA JBA DHB DIB
鈦合金 純鈦 Titanium Alloy Pure Titanium Ti-6Al-4V / Ti-2 : 3.7165 / 3.7035 : Gr5 / Gr2 : TC4 / TA1	UPW UTH XPZ	XEV VTB	ETH UTE	KSR	UTJ	UTER	UB(G13) BTG	BTC	UBX
	UEF	LEF LFTH	HEH IEH JEH	ULR ULXR	-	-	UHB(G13) UIB(G13) BTG	HBC IBC JBC	UHBX UIBX

DHF鍍層推薦表
SELECTION OF DHF COATING

被切削材 Working Material	球刀 / 圓鼻刀 Ball Nose & Corner Radius End Mill			平刀 End Mill		鎢鋼鑽頭 Carbide Drill End Mill	
	第一推薦 First Selection	第二推薦 Second Selection	第三推薦 Third Selection	第一推薦 First Selection	第二推薦 Second Selection	第一推薦 First Selection	第二推薦 Second Selection
碳素鋼 Carbon Steels S50C/SS440:1.1210/1.0036:1050/A570Gr.45 (~HRc22)	G13 G7	G10	T2 T1	G7	G10 T2 T1	G10	T1
合金工具鋼/碳工具鋼 Alloy Tool Steels Carbon Tool Steels P20/P5/SK3/SKD61/SKD11:1.2311/1.1545/1.2379/1.2344:H13/D2 (HRc23~32)	G13 G10	T2	T1	G10	T2 T1	G10	T1
調質鋼/預硬鋼 Prehardened Steels NAK80:1.2083:AISI420:M310 (HRc36~45)	G13 G10	T2	T1	G11 G10	T2 T1	G17 G10	T1
熱處理鋼 Hardened Steels SKD61/STAVAX/17-4PH:1.2083/1.2344/1.4542:H13/420 (HRc48~54)	G15 G12	G13	G10	G15 G12	G10	G17 G10	T1
熱處理鋼 Hardened Steels SKD11/SKH9:1.2379/1.3342:D2/M2 (HRc55~65)	G15 G12	-	-	G15 G12	-	G17 G10	T1
沃斯田鐵系不銹鋼 StainlessSteels SUS304:1.4301:AISI304 (HRc25~35)	G18 G10	T2	T1	G11 G10	T2 T1	G17 G10	T1
鈦合金/純鈦 TitaniumAlloy PureTitanium Ti-6Al-4V/Ti-2:3.7165/3.7035:Gr5/Gr2:TC4/TA1	G18	G10	T2 T1	G18 G10	T2 T1	G10	T1
鎳基高溫合金 Inconel Inconel:GH4169:2.4668	G18	G11 G10	G10 T2	G18 G17	G12 G11	G17	G10 T1

二代變形系列刀具推薦表
SELECTION OF EXCHANGEABLE HEADENDMILL II SERIES

被切削材 Working Material	平刀 End Mill			圓鼻刀 Corner Radius End Mill			球刀 Ball Nose End Mill		
	第一推薦 First Selection	第二推薦 Second Selection	第三推薦 Third Selection	第一推薦 First Selection	第二推薦 Second Selection	第三推薦 Third Selection	第一推薦 First Selection	第二推薦 Second Selection	第三推薦 Third Selection
碳素鋼 Carbon Steels S50C/SS440:1.1210/1.0036:1050/A570 Gr.45 (~HRc22)	X-UPZO X-UPZ	X-UPS	X-UET	X-UXR	-	-	X-KB X-UB XS-UB	X-BTB XS-BTB	-
合金工具鋼/碳工具鋼 Alloy Tool Steels Carbon Tool Steels P20/P5/SK3/SKD61/SKD11:1.2311/1.1545/1.2379/1.2344:H13/D2 (HRc23~32)	X-UPZO X-UPZ	X-UPS	X-UET	X-VRI X-UOR X-UXR	X-UEXR	X-UPR	X-KB X-UB XS-UB	X-BTB XS-BTB	-
調質鋼/預硬鋼 Prehardened Steels NAK80:1.2083:AISI420:M310 (HRc36~45)	X-UPZO X-UPZ	X-UPS	X-UET	X-VRI X-UOR X-UXR	X-UEXR	X-UPR	X-UB XS-UB	X-BTB XS-BTB	-
熱處理鋼 Hardened Steels SKD61/STAVAX/17-4PH:1.2083/1.2344/1.4542:H13/420 (HRc48~54)	X-UVT	X-UEX X-UPS	X-UET	X-UEYR X-UVTR	X-UOR	X-UEXR X-UPR	X-UBT XS-UBT	X-UB XS-UB	X-UB XS-UB
熱處理鋼 Hardened Steels SKD11/SKH9:1.2379/1.3342:D2/M2 (HRc55~62)	X-UVT	X-UEX	-	X-UEYR X-UVTR	X-UOR	X-UEXR X-UPR	X-UBT XS-UBT	-	-
鋁合金 Aluminum Alloy 5052/6061/7075	X-AES X-AEW	-	-	X-AESR	X-UXR	-	X-BTC	-	-
紅銅 Copper C1100/2.0090/B152C11000	X-AES X-AEW	X-UET	-	X-AESR	X-UXR	-	X-BTC	X-UB XS-UB	X-BTB XS-BTB
沃斯田鐵系不銹鋼 StainlessSteels SUS304:1.4301:AISI304 (HRc28~32)	X-UPZO X-UPZ	X-UPS	X-UET	X-VRI	X-UXR	-	X-KB X-UB XS-UB	X-BTB XS-BTB	-
麻田散鐵 / 析出硬化系 不銹鋼 Stainless Steels SUS420J2/SUS630 : 1.2083/1.4542 : AISI 420/17-4PH (HRc28~32)	X-UPZO X-UPZ X-KSE	X-UPS	X-UET	X-VRI X-KSR	X-UXR	-	X-KB X-UB XS-UB	X-BTB XS-BTB	-
鈦合金/純鈦 TitaniumAlloy PureTitanium Ti-6Al-4V/Ti-2:3.7165/3.7035:Gr5/Gr2:TC4/TA1	X-KSE X-UET X-AES	X-AEW	-	X-VRI X-KSR	X-UXR X-AESR	-	X-KB X-UB XS-UB	X-BTB XS-BTB	-
鎳基高溫合金 Inconel GH4169:2.4668	X-KSE	-	-	X-KSR	-	-	X-KB	X-UB	-

高速、高硬度系列刀具推薦表
SELECTION OF DHF HIGHSPEED & HIGH CUTTING SERIES

被切削材 Working Material	平刀 End Mill			圓鼻刀 Corner Radius End Mill			球刀 Ball Nose End Mill		
	第一推薦 First Selection	第二推薦 Second Selection	第三推薦 Third Selection	第一推薦 First Selection	第二推薦 Second Selection	第三推薦 Third Selection	第一推薦 First Selection	第二推薦 Second Selection	第三推薦 Third Selection
合金工具鋼/碳工具鋼 Alloy Tool Steels Carbon Tool Steels P20/P5/SK3/SKD61/SKD11:1.2311/1.1545/1.2379/1.2344:H13/D2 (HRc23~32)	UET	-	-	ULXR UOR UXR	UER ULR	-	UB(G13) UHB(G13) UIB(G13)	UBG	-
調質鋼/預硬鋼 Prehardened Steels NAK80:1.2083: AISI420:M310 (HRc36~45)	UEX	UVT	UET	ULXR UOR UXR	UER ULR	-	UB(G13) UHB(G13) UIB(G13)	UBG UHBG	UHBX
熱處理鋼 Hardened Steels SKD61/STAVAX/17-4PH:1.2083/1.2344/1.4542:H13/420 (HRc48~54)	UEX UVT	UET UEX UES	UET	UEYR ULXR UVTR	UGR ULR UOR UPR UVR	UER UKR UXR	UQB UB UHB UIB	UB(G13) UHB(G13) UIB(G13)	UBT UHBT UQB
熱處理鋼 Hardened Steels SKD11/SKH9:1.2379/1.3342:D2/M2 (HRc55~62)	UEX UVT	UEX UES UET	UET	UEYR UVTR	UPR UVR	UGR	UQB	UB UHB UIB	UB(G13) UHB(G13) UIB(G13) UBT UHBT
沃斯田鐵系不鏽鋼 Stainless Steels SUS304 : 1.4301 : AISI 304 (HRc 28-32)	UET	-	-	UVR	UXR	UER	UB(G13) UHB(G13) UIB(G13)	UBG	-
麻田散鐵，析出硬化系不鏽鋼 Stainless Steels SUS420J2 / SUS630 : 1.2083 / 1.4542 : AISI 420 / 17-4PH (HRc 28~32)	UET	-	-	UVR	UXR	UER	UB(G13) UHB(G13) UIB(G13)	UBG	-

破壞王系列刀具推薦表
SELECTION OF DHF HIGH PERFORMANCE CUTTING SERIES

被切削材 Working Material	平刀 End Mills			圓鼻刀 Corner Radius End Mills		平刀(粗銑) End Mills (Roughing)		圓鼻刀(粗銑) Corner Radius End Mills (Roughing)	
	第一推薦 First Selection	第二推薦 Second Selection	第三推薦 Third Selection	第一推薦 First Selection	第二推薦 Second Selection	第一推薦 First Selection	第二推薦 Second Selection	第一推薦 First Selection	第二推薦 Second Selection
碳素鋼 Carbon Steels S50C/SS440:1.1210/1.0036:1050/A570 Gr.45 (~HRc22)	UEF UPW UPZ XEW(A)	LEF UPG XEW(B)	UPS	UPJ	-	UPZ UEW-4T LEF WWB XEW(A)	XEW(B)	UPJ	-
合金工具鋼/碳工具鋼 Alloy Tool Steels Carbon Tool Steels P20/P5/SK3/SKD61/SKD11:1.2311/1.1545/1.2379/1.2344:H13/D2 (HRc23~32)	UEF UPW UPZ XEW(A)	LEF UPG XEW(B)	UPS	UPJ	-	UPZ UEW-4T LEF WWB XEW(A)	XEW(B)	UPJ	-
調質鋼/預硬鋼 Prehardened Steels NAK80:1.2083: AISI420:M310 (HRc36~45)	UEF UPW UPZ	LEF UPG	UPS	UPJ	-	UPZ LEF WWB	-	UPJ	-
熱處理鋼 Hardened Steels SKD61 / STAVAX / 17-4PH : 1.2083 / 1.2344 / 1.4542 : H13 / 420 (HRc48~54)	UPW UPZ	UPG	UPS	UPJ	-	-	-	UPJ	-
沃斯田鐵系不銹鋼 Stainless Steels SUS304:1.4301:AISI304 (HRc28~32)	UEF UPW UPZ XEW(A)	LEF UPG XEW(B)	UPS	UPJ	-	UPZ LEF WWB XEW(A)	XEW(B)	UPJ	-
麻田散鐵 / 析出硬化系不鏽鋼 Stainless Steels SUS420J2/SUS630 : 1.2083/1.4542 : AISI 420/17-4PH (HRc28~32)	UEF UPW UPZ XEW(A)	LEF UPG XEW(B)	UPS	UPJ	-	UPZ LEF WWB XEW(A)	XEW(B)	UPJ	-

不等分割可變螺旋系列刀具推薦表

SELECTION OF DHF UNEQUAL FLUTE SPACING & VARIABLE HELIX SERIES

被切削材 Working Material	平刀 End Mill		
	第一推薦 First Selection	第二推薦 Second Selection	第三推薦 Third Selection
碳素鋼 Carbon Steels S50C/SS440:1.1210/1.0036:1050/A570 Gr.45 (~HRc22)	XPZ XVO XEV	XEH XEB XWB	XEA
合金工具鋼/碳工具鋼 Alloy Tool Steels Carbon Tool Steels P20/P5/SK3/SKD61/SKD11:1.2311/1.1545/1.2379/1.2344:H13/D2 (HRc23~32)	XPZ XVO XEV	XEH XEB XWB	XEA
調質鋼/預硬鋼 Prehardened Steels NAK80:1.2083:AISI420:M310 (HRc36~45)	XPZ XVO XEV	XEH XEB XWB	XEA
熱處理鋼 Hardened Steels SKD61 / STAVAX / 17-4PH : 1.2083 / 1.2344 / 1.4542 : H13 / 420 (HRc48~54)	XPZ XVO XEV	XEH XEB XWB	XEA
沃斯田鐵系不銹鋼 Stainless Steels SUS304:1.4301:AISI304 (HRc28~32)	XPZ XVO XEV	XEH XEB XWB	XEA
麻田散鐵 / 析出硬化系不鏽鋼 Stainless Steels SUS420J2/SUS630 : 1.2083/1.4542 : AISI 420/17-4PH (HRc28~32)	XPZ XVO XEV	XEH XEB XWB	XEA

微小徑、深溝系列刀具推薦表

SELECTION OF DHF MICRO DIAMETER & LONG NECK SERIES

被切削材 Working Material	平刀 End Mill			圓鼻刀 Corner Radius End Mill			球刀 Ball Nose End Mill		
	第一推薦 First Selection	第二推薦 Second Selection	第三推薦 Third Selection	第一推薦 First Selection	第二推薦 Second Selection	第三推薦 Third Selection	第一推薦 First Selection	第二推薦 Second Selection	第三推薦 Third Selection
碳素鋼 Carbon Steels S50C/SS440:1.1210/1.0036:1050/A570 Gr.45 (~HRc22)	LNE META	LNH MET	LNX	UNER	UNE	-	LNB MBTA	MSB UNB	-
合金工具鋼/碳工具鋼 Alloy Tool Steels Carbon Tool Steels P20/P5/SK3/SKD61/SKD11:1.2311/1.1545/1.2379/1.2344:H13/D2 (HRc23~32)	LNE META	LNH MET	LNX	UNER	UNE	-	LNB MBTA	MSB UNB	-
調質鋼/預硬鋼 Prehardened Steels NAK80:1.2083:AISI420:M310 (HRc36~45)	LNE UME	LNH META	MET LNE	UNER	UNE	UXE	UMB UNBX-2T	MBTA UNB	LNB MSB
熱處理鋼 Hardened Steels SKD61/STAVAX/17-4PH:1.2083/1.2344/1.4542:H13/420 (HRc48~54)	UDE UME	UDE LNX META	LNE LNH	UXE	UNE	UNER	UNB UMB UNBX-2T	MBTA UNB	LNB MSB
熱處理鋼 Hardened Steels SKD11/SKH9:1.2379/1.3342:D2/M2 (HRc55~62)	UDE UME	UDE	-	UXE	UNE	-	UNB UMB UNBX-2T	UNB	-
鋁合金 Aluminum Alloy 5052/6061/7075	LNE META	LNH MET	LNX	UNER	UNE	-	LNB MBTA	MSB UNB	-
紅銅 Copper C1100/2.0090/B152C11000	LNE META	LNH MET	LNX	UNER	UNE	-	LNB MBTA	MSB UNB	-
沃斯田鐵系不銹鋼 Stainless Steels SUS304:1.4301:AISI304 (HRc28~32)	LNE META	LNH MET	LNX	UNER	UNE	-	UMB UNB	LNB MBTA	MSB
麻田散鐵 / 析出硬化系 不銹鋼 Stainless Steels SUS420J2/SUS630 : 1.2083/1.4542 : AISI 420/17-4PH (HRc28~32)	LNE META	LNH MET	LNX	UNER	UNE	-	UMB UNB	LNB MBTA	MSB
鈦合金/純鈦 Titanium Alloy Pure Titanium Ti-6Al-4V/Ti-2:3.7165/3.7035:Gr5/Gr2:TC4/TA1	LNE META	LNH	-	UNER	UNE	-	LNB MBTA	MSB UNB	-

航太推薦表
SELECTION OF AEROSPACE TITANIUM SERIES

被切削材 Working Material	平刀 End Mill			圓鼻刀 Corner Radius End Mill		
	第一推薦 First Selection	第二推薦 Second Selection	第三推薦 Third Selection	第一推薦 First Selection	第二推薦 Second Selection	第三推薦 Third Selection
鈦合金/純鈦 Titanium Alloy Pure Titanium Ti-6Al-4V/Ti-2:3.7165/3.7035:Gr5/Gr2:TC4/TA1	KSE UPW UTH XPZ UTW	XEV VTB	ETH UTE	KSR KWR	UTJ	UTER
	UEF WWB	LFTH	HEH IEH JEH	ULR ULXR	-	-
鎳基高溫合金 Inconel Inconel 718 / 2.4668 /: GH4169 / UNS N07718 : Mo3 / NC19FeNb	KSE	-	-	KWR KSR	-	-
	X-KSE	-	-	X-KSR	-	-

被切削材 Working Material	球刀 Ball Nose End Mill			鑽頭 Carbide Drills		
	第一推薦 First Selection	第二推薦 Second Selection	第三推薦 Third Selection	第一推薦 First Selection	第二推薦 Second Selection	第三推薦 Third Selection
鈦合金/純鈦 Titanium Alloy Pure Titanium Ti-6Al-4V/Ti-2:3.7165/3.7035:Gr5/Gr2:TC4/TA1	KB KLB UB(G13) BTG	BTC	UBX	DAO DBO DCO	DAN DAK DBK DAM DBM	DAQ DBQ
	UHB(G13) UIB(G13) BTG	HBC IBC JBC	UHBX UIBX	-	-	-
鎳基高溫合金 Inconel Inconel 718 / 2.4668 /: GH4169 / UNS N07718 : Mo3 / NC19FeNb	KB KLB	UB	-	DAN	DAO DBO DCO	-
	X-KB	X-UB	-	-	-	-

鎢鋼鑽頭推薦表
SELECTION OF DHF CARBIDE DRILL SERIES

被切削材 Working Material	第一推薦 First Selection	第二推薦 Second Selection	第三推薦 Third Selection
碳素鋼 Carbon Steels S50C/SS440:1.1210/1.0036:1050/A570 Gr.45 (~HRc22)	DAO DBO DCO DAVO DBVO	DAK DBK DAM DBM	DAQ DBQ
合金工具鋼/碳工具鋼 Alloy Tool Steels Carbon Tool Steels P20/P5/SK3/SKD61/SKD11:1.2311/1.1545/1.2379/1.2344:H13/D2 (HRc23-32)	DAO DBO DCO DAVO DBVO	DAK DBK DAM DBM	DAQ DBQ
調質鋼/預硬鋼 Prehardened Steels NAK80:1.2083: AISI420:M310 (HRc36-45)	DAO DBO DCO DAVO DBVO	DAK DBK DAM DBM	DAQ DBQ
熱處理鋼 Hardened Steels SKD61/STAVAX/17-4PH:1.2083/1.2344/1.4542:H13/420 (HRc48-54)	DAO DBO DCO	DAN DAM DBM	DAK DBK DAQ DBQ
熱處理鋼 Hardened Steels SKD11/SKH9:1.2379/1.3342:D2/M2 (HRc55-62)	DAO DBO DCO	DAN DAM DBM	DAK DBK DAQ DBQ
鋁合金 Aluminum Alloy 5052/6061/7075	DAO DBO DCO DAVO DBVO	DAK DBK DAM DBM	DAQ DBQ
紅銅 Copper C1100/2.0090/B152C11000	DAO DBO DCO DAVO DBVO	DAK DBK DAM DBM	DAQ DBQ
沃斯田鐵系不銹鋼 Stainless Steels SUS304:1.4301:AISI304 (HRc28-32)	DAO DBO DCO DAVO DBVO	DAN DAM DBM	DAK DBK DAQ DBQ
鈦合金/純鈦 Titanium Alloy Pure Titanium Ti-6Al-4V/Ti-2:3.7165/3.7035:Gr5/Gr2:TC4/TA1	DAO DBO DCO DAVO DBVO	DAN DAK DBK DAM DBM	DAQ DBQ
鎳基高溫合金 Inconel Inconel 718 / 2.4668 /: GH4169 / UNS N07718 : Mo3 / NC19FeNb	DAN	DAO DBO DCO DAM DBM	DAK DBK

標準系列刀具推薦表(一)
SELECTION OF DHF STANDARD SERIES (1)

被切削材 Working Material	平刀 End Mill			圓鼻刀 Corner Radius End Mill			球刀 Ball Nose End Mill		
	第一推薦 First Selection	第二推薦 Second Selection	第三推薦 Third Selection	第一推薦 First Selection	第二推薦 Second Selection	第三推薦 Third Selection	第一推薦 First Selection	第二推薦 Second Selection	第三推薦 Third Selection
碳素鋼 Carbon Steels S50C/SS440:1.1210/1.0036:1050/A570 Gr.45 (~HRc22)	ETH	ETB	ETA ETG	RTB	RTD	RTA RTG	BTG	BTH BTB	BTA
合金工具鋼/碳工具鋼 Alloy Tool Steels Carbon Tool Steels P20/P5/SK3/SKD61/SKD11:1.2311/1.1545/1.2379/1.2344:H13/D2 (HRc23-32)	ETH	ETB	ETA ETG	RTB	RTD	RTA RTG	BTG	BTH BTB	BTA
調質鋼/預硬鋼 Prehardened Steels NAK80:1.2083: AISI420:M310 (HRc36-45)	ETH	ETB	ETA	RTB	RTD	RTA RTG	BTG	BTH BTB	BTA
熱處理鋼 Hardened Steels SKD61/STAVAX/17-4PH:1.2083/1.2344/1.4542:H13/420 (HRc48-54)	ETH	ETB	ETA	RTB	RTD	RTA RTG	BTG	BTH BTB	BTA
紅銅 Copper C1100/2.0090/B152C11000	ETH	ETB	ETA ETG	RTB	RTD	RTA RTG	BTH	BTB	BTA
沃斯田鐵系不銹鋼 Stainless Steels SUS304:1.4301:AISI304 (HRc28-32)	ETH	ETB	ETA ETG	RTB	RTD	RTA RTG	BTG	BTH BTB	BTA
麻田散鐵 / 析出硬化系不銹鋼 Stainless Steels SUS420J2/SUS630 : 1.2083/1.4542 : AISI 420/17-4PH (HRc28-32)	ETH	ETB	ETA ETG	RTB	RTD	RTA RTG	BTG	BTH BTB	BTA
鈦合金/純鈦 Titanium Alloy Pure Titanium Ti-6Al-4V/Ti-2:3.7165/3.7035:Gr5/Gr2:TC4/TA1	-	ETH	ETB	-	RTB	RTD	BTG	BTH BTB	BTB

標準系列刀具推薦表(二)
SELECTION OF DHF STANDARD SERIES (2)

被切削材 Working Material	平刀 End Mill			圓鼻刀 Corner Radius End Mill		球刀 Ball Nose End Mill	
	第一推薦 First Selection	第二推薦 Second Selection	第三推薦 Third Selection	第一推薦 First Selection	第二推薦 Second Selection	第一推薦 First Selection	第二推薦 Second Selection
碳素鋼 Carbon Steels S50C/SS440:1.1210/1.0036:1050/A570 Gr.45 (~HRc22)	LFTH VTB WWA-4T	HTA ITA LFTA WUA-4T	HEA IEA JEA	LRTD	LRTA	HBH IBH JBH	HBA IBA JBA
合金工具鋼/碳工具鋼 Alloy Tool Steels Carbon Tool Steels P20/P5/SK3/SKD61/SKD11:1.2311/1.1545/1.2379/1.2344:H13/D2 (HRc23-32)	LFTH VTB WWA-4T	HTA ITA LFTA WUA-4T	HEA IEA JEA	LRTD	LRTA	HBH IBH JBH	HBA IBA JBA
調質鋼/預硬鋼 Prehardened Steels NAK80:1.2083: AISI420:M310 (HRc36-45)	LFTH VTB WWA-4T	HTA ITA LFTA WUA-4T	HEA IEA JEA	LRTD	LRTA	HBH IBH JBH	HBA IBA JBA
熱處理鋼 Hardened Steels SKD61/STAVAX/17-4PH:1.2083/1.2344/1.4542:H13/420 (HRc48-54)	LFTA VTA	HEH IEH JEH	-	LRTD	LRTA	HBH IBH JBH	HBA IBA JBA
紅銅 Copper C1100/2.0090/B152C11000	HTD ITH LFTH	HEH IEH JEH	-	LRTD	LRTA	HBH IBH JBH	HBA IBA JBA
沃斯田鐵系不銹鋼 Stainless Steels SUS304:1.4301:AISI304 (HRc28-32)	LFTH VTB WWA-4T	HTD ITH WUA-4T	HEA IEA JEA	LRTD	LRTA	HBH IBH JBH	HBA IBA JBA
麻田散鐵 / 析出硬化系不銹鋼 Stainless Steels SUS420J2/SUS630 : 1.2083/1.4542 : AISI 420/17-4PH (HRc28-32)	LFTH VTB WWA-4T	HTD ITH WUA-4T	HEA IEA JEA	LRTD	LRTA	HBH IBH JBH	HBA IBA JBA