

**Interchangeable Circular Arc Finishing End Mills for Multi-Axis Machining**

Specially defined profile, reduce cycle time and improved surface finish.

Taper form with three tangential radius, offered in a variety angles, provide maximum performance and optimal clearance angle for any workpiece.

4 Flute geometry specifically designed for semi-finishing and finishing in stainless steel, high temperature alloys, and other ferrous materials.

Bright w/o coating with sharp cutting edge for Aluminium.

AlCrN coating for high hardness and best lubricating effect, for Steel, Stainless Steel etc.

AlTiXZrN coating for high lubricating effect, anti-stick, for Nickel Alloys, High Temperature Alloys, Stainless Steel and Titanium etc.



MG Carbide
Uncoated Bright
AlCrN FX
AlTiXN+ZrN SX
30°
4
H 78°

專門定義的輪廓，可大幅縮短周期時間並大大提高了表面光潔度。

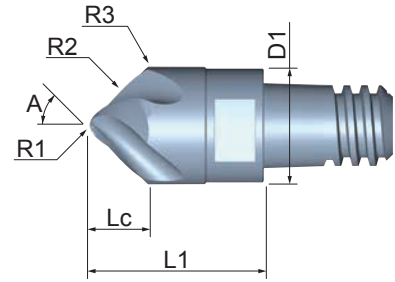
具有三個切向半徑的錐形，並提供多種角度，以實現最佳性能和最佳間隙任何工件的角度。

4 刃幾何形狀，專為多軸設備上適用於鋼鐵、不銹鋼、高溫合金及鋁合金...等精加工設計。

無塗層具有鋒利刃口，適用於鋁合金專用。

AlCrN 塗層具有高硬度及潤滑度，適用於切削鋼鐵、不銹鋼...等金屬材料。

AlTiXZrN塗層具有高潤滑度及抗沾黏性，適用於切削鎳基合金及高溫合金、不銹鋼、鈦合金...等難削材料。



Code No.	A A°	R1 0.015 -0.015	R2 0.015 -0.015	R3 0.015 -0.015	Lc mm	L1 mm	D1 mm	Uncoated Bright	AlCrN FX	AlTiXN+ZrN SX
IMP10-Q138FX033005A45	45	1.2	300	1.2	5	16	9.7	●	○	○
IMP10-Q138FX067505A45	45	1.2	675	1.2	5	16	9.7	●	○	○
IMP12-Q138FX040006A45	45	1.5	400	1.5	6	19	11.7	●	○	○
IMP12-Q138FX090006A45	45	1.5	900	1.5	6	19	11.7	●	○	○
IMP16-Q138FX050008A45	45	2	500	2	8	24	15.5	●	○	○
IMP16-Q138FX112508A45	45	2	1125	2	8	24	15.5	●	○	○
IMP20-Q138FX060010A45	45	2.5	600	2.5	10	30	19.5	●	○	○
IMP20-Q138FX135010A45	45	2.5	1350	2.5	10	30	19.5	●	○	○

不等分高效率立銑刀  
鋼鐵、不銹鋼

多用途立銑刀  
鋼鐵、不銹鋼、難削材

鋁用立銑刀

圓溝高效率立銑刀  
鋼鐵、不銹鋼

通用、精加工立銑刀

圓頭、R角立銑刀

鑽頭、鉸刀