



二代變形鎢鋼立銑刀 2

# Exchangeable Head Endmill II

Internal Coolant Hole



DESIGN · HONESTY · FUTURE



## 二代變形鎢鋼立銑刀 2

# Exchangeable Head Endmill II



### FEATURE 特長

1. 特殊的銑刀端面不等分割 + 斷削槽設計、於側銑加工中抗震性更加良好、壽命佳。
2. 主要應用一般或較長刀具伸長量時、於高速擺線側銑加工、抗震性更佳。
3. X-UPZO產品特殊的<4孔中心出水設計>，應用於高速側銑、排屑性良好、冷卻效果更佳。
4. 主要應用於一般鋼材(HRc45以內)及難切削材料不銹鋼和鈦合金等材料的側銑加工。
5. X-UPZ及X-UPZO刀具幾何圖形設計相同、X-UPZO產品多<4孔中心出水設計>。

- I. The unequal spacing of end teeth and chip breaker design has advanced the vibration resistance and tool life when side milling.
- II. The products are mainly designed for general or longer tool extension application. The vibration resistance in high speed trochoidal side milling has increased.
- III. The special "Four holes coolant through spindle system" of X-UPZO has improved the chip removal ability and cooling in high speed side milling.
- IV. Suitable for side milling general steels (material below HRc 45) and difficult-to-cut materials, such as stainless steel, titanium alloy and so on.
- V. The geometry design of X-UPZ is identical to X-UPZO, while X-UPZO is equipped with "Four holes coolant through spindle system".







Internal Coolant Hole

# X-UXRO End Mills

圓鼻角立銑刀頭 (內冷孔)



型號 Type No.	D1 直徑 Diameter	L1 刃長 Flute Length	R 圓鼻角 Corner R	D2 頸徑 Neck Dia.	L2 全長 O.A.L.	M 螺牙 Thread Size	鎖固扳手 型號 Spanner Type No.
X-UXRO0803	8.0	8.0	0.3	7.8	12.1	M5-3P	K08
X-UXRO0805	8.0	8.0	0.5	7.8	12.1	M5-3P	K08
X-UXRO0810	8.0	8.0	1.0	7.8	12.1	M5-3P	K08
X-UXRO1005	10.0	10.0	0.5	9.8	16.1	M7-3P	K10
X-UXRO1010	10.0	10.0	1.0	9.8	16.1	M7-3P	K10
X-UXRO1205	12.0	12.0	0.5	11.7	20.3	M8-3P	K12
X-UXRO1210	12.0	12.0	1.0	11.7	20.3	M8-3P	K12
X-UXRO1605	16.0	16.0	0.5	15.6	25.7	M10-3P	K16
X-UXRO1610	16.0	16.0	1.0	15.6	25.7	M10-3P	K16
X-UXRO1620	16.0	16.0	2.0	15.6	25.7	M10-3P	K16

Internal Coolant Hole

# X-UBO Ball Nose End Mills

極超微粒圓頭立銑刀頭 (內冷孔)



型號 Type No.	D1 直徑 Diameter	L1 刃長 Flute Length	D2 頸徑 Neck Dia.	L2 全長 O.A.L.	M 螺牙 Thread Size	鎖固扳手 型號 Spanner Type No.
X-UBO0804	R4.0	8.0	7.8	12.1	M5-3P	K08
X-UBO1004	R5.0	10.0	9.8	16.1	M7-3P	K10
X-UBO1204	R6.0	12.0	11.7	20.3	M8-3P	K12
X-UBO1604	R8.0	16.0	15.6	25.7	M10-3P	K16



Internal Coolant Hole

# End Mills X-UPZO

(內冷孔) 無敵高效能立銑刀頭



型號 Type No.	D1 直徑 Diameter	L1 刃長 Flute Length	D2 頸徑 Neck Dia.	L2 全長 O.A.L.	M 螺牙 Thread Size	鎖固扳手 型號 Spanner Type No.
X-UPZO0804	8.0	8.0	7.8	12.1	M 5-3P	K08
X-UPZO1004	10.0	10.0	9.8	16.1	M 7-3P	K10
X-UPZO1204	12.0	12.0	11.7	20.3	M 8-3P	K12
X-UPZO1604	16.0	16.0	15.6	25.7	M10-3P	K16
X-UPZO2004	20.0	20.0	19.5	31.1	M12-3P	K20

# End Mills X-UPZ

無敵高效能立銑刀頭



型號 Type No.	D1 直徑 Diameter	L1 刃長 Flute Length	D2 頸徑 Neck Dia.	L2 全長 O.A.L.	M 螺牙 Thread Size	鎖固扳手 型號 Spanner Type No.
X-UPZ0804	8.0	8.0	7.8	12.1	M 5-3P	K08
X-UPZ1004	10.0	10.0	9.8	16.1	M 7-3P	K10
X-UPZ1204	12.0	12.0	11.7	20.3	M 8-3P	K12
X-UPZ1604	16.0	16.0	15.6	25.7	M10-3P	K16
X-UPZ2004	20.0	20.0	19.5	31.1	M12-3P	K20



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