

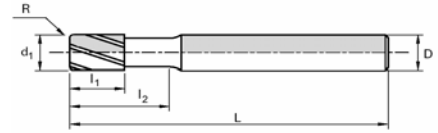
MX 900 Series - Ultra Fine Grain Carbide Torus Endmills · Semi Long / HSM – 4 Flutes · Short Cut Length

極細微粒鎢鋼、圓鼻刀、中長柄 / 高速切削 — 4 刃、短刃

Size : D6.0 ~ D8.0

MMR4

Carbide Grain Ultra-Fine	Coating ULTRA TIALN+	Helix 30°	HRC 70	V-Speed HSM
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Dimension(mm) Designation	刀徑 d ₁	R 角 R	有效長 l ₂	刃長 l ₁	全長 L	柄徑 D	刃數 Z	Coating 鍍膜	
								UNCOATED	ULTRA (D)
MMR4060-005-30	6.0	0.5	30	7	75	6	4	■	■
MMR4060-010-30	6.0	1.0	30	7	75	6	4	■	■
MMR4060-015-30	6.0	1.5	30	7	75	6	4	■	■
MMR4080-005-36	8.0	0.5	36	9	75	8	4	■	■
MMR4080-010-36	8.0	1.0	36	9	75	8	4	■	■
MMR4080-020-36	8.0	2.0	36	9	75	8	4	■	■

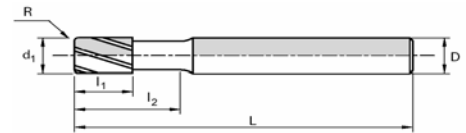
MX 900 Series - Ultra Fine Grain Carbide Torus Endmills For Die & Mould / HSM – 3 Flutes · Short Cut Length

極細微粒鎢鋼、圓鼻刀 / 高速切削 — 3 刃、短刃

Size : D4.0 ~ D12.0

MDR3

Carbide Grain Ultra-Fine	Coating ULTRA TIALN+	Helix 45°	HRC 70	V-Speed HSM
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Dimension(mm) Designation	刀徑 d ₁	R 角 R	有效長 l ₂	刃長 l ₁	全長 L	柄徑 D	刃數 Z	Coating 鍍膜	
								UNCOATED	ULTRA (D)
MDR3030-002-15	3.0	0.2	15	4	60	6	3	□	□
MDR3040-002-20	4.0	0.2	20	6	75	6	3	□	□
MDR3050-002-15	5.0	0.2	25	6	75	6	3	□	□
MDR3060-005-30	6.0	0.3	30	8	75	6	3	□	□
MDR3080-005-40	8.0	0.5	40	10	100	8	3	□	□
MDR3100-005-50	10.0	0.5	50	12	100	10	3	□	□
MDR3120-005-50	12.0	0.5	50	15	100	12	3	□	□

Customized orders for other length of neck · corner radius · NT-WET (N) and other coatings is also available

Recommended work material 推薦可加工材料 ■ Preferred suitable 最適用 ■ Suitable 適用

ULTRA (D)	Steel < HRC32 碳鋼 / 合金鋼	HRC32 ~ 48 合金 / 預硬鋼	HRC49 ~ 70 熱處理鋼	Stainless 不鏽鋼	Cast Iron 鑄鐵
UNCOATED	Copper 銅				

FEATURE : Short length of cut with reduced neck ensures high rigidity , new ULTRA (D) TIALN+ coating useful for HSM and hard milling (Up to HRC 70 - DRY CUT) 。