

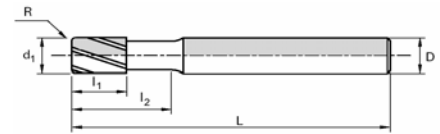
MX 900 Series - Ultra Fine Grain Carbide Torus Endmills · Reduced Neck / HSM – 4 Flutes · Short Cut Length

極細微粒鎢鋼、圓鼻刀、縮頸 / 高速切削 — 4 刃、短刀

Size : D3.0 ~ D16.0

MSR4

Carbide Grain Ultra-Fine	Coating ULTRA TIALN+	Helix 30°	HRC 70	V-Speed HSM
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Dimension(mm) Designation	刃徑	R 角	有效長	刃長	全長	柄徑	刃數	Coating 鍍膜
	d ₁	R	l ₂	l ₁	L	D	Z	ULTRA (D)
MSR4030-002-10	3.0	0.2	10	4	60	6	4	
MSR4030-003-10	3.0	0.3	10	4	60	6	4	
MSR4030-005-10	3.0	0.5	10	4	60	6	4	■
MSR4030-010-10	3.0	1.0	10	4	60	6	4	
MSR4040-002-12	4.0	0.2	12	5	60	6	4	
MSR4040-003-12	4.0	0.3	12	5	60	6	4	
MSR4040-005-12	4.0	0.5	12	5	60	6	4	■
MSR4040-010-12	4.0	1.0	12	5	60	6	4	
MSR4050-003-15	5.0	0.3	15	6	60	6	4	
MSR4050-005-15	5.0	0.5	15	6	60	6	4	■
MSR4050-010-15	5.0	1.0	15	6	60	6	4	
MSR4060-002-18	6.0	0.2	18	7	60	6	4	
MSR4060-003-18	6.0	0.3	18	7	60	6	4	
MSR4060-005-18	6.0	0.5	18	7	60	6	4	■
MSR4060-010-18	6.0	1.0	18	7	60	6	4	■
MSR4060-020-18	6.0	2.0	18	7	60	6	4	
MSR4080-003-24	8.0	0.3	24	9	60	8	4	■
MSR4080-005-24	8.0	0.5	24	9	60	8	4	■
MSR4080-010-24	8.0	1.0	24	9	60	8	4	■
MSR4080-020-24	8.0	2.0	24	9	60	8	4	■
MSR4100-005-30	10.0	0.5	30	11	75	10	4	■
MSR4100-010-30	10.0	1.0	30	11	75	10	4	■
MSR4100-020-30	10.0	2.0	30	11	75	10	4	■
MSR4100-030-30	10.0	3.0	30	11	75	10	4	
MSR4120-005-32	12.0	0.5	32	13	75	12	4	■
MSR4120-010-32	12.0	1.0	32	13	75	12	4	
MSR4120-020-32	12.0	2.0	32	13	75	12	4	■
MSR4120-030-32	12.0	3.0	32	13	75	12	4	
MSR4160-010-45	16.0	1.0	45	17	100	16	4	
MSR4160-030-45	16.0	3.0	45	17	100	16	4	

Customized orders for other length of neck and corner radius is also available

Customized orders for 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	Super Alloys 高溫合金
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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) 。