

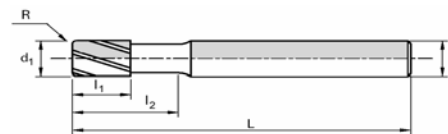
MX 900 Series - Ultra Fine Grain Carbide Torus Endmills - Long Neck / HSM - 2 Flutes - Short Cut Length

極細微粒鎢鋼、圓鼻刀、長頸 / 高速切削— 2 刃、短刀

Size : D1.0 ~ D3.0

MSR2

Carbide	Coating	Helix	HRC	V-Speed
Grain Ultra-Fine	ULTRA TIALN+	35°	70	HSM



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)
MSR2010-001-5	1.0	0.1	5	1.5	50	4	2	■	■
MSR2010-001-8	1.0	0.1	8	1.5	50	4	2		
MSR2010-002-5	1.0	0.2	5	1.5	50	4	2	■	■
MSR2010-002-8	1.0	0.2	8	1.5	50	4	2		
MSR2015-001-6	1.5	0.1	6	2	50	4	2	■	■
MSR2015-001-10	1.5	0.1	10	2	50	4	2		
MSR2015-002-6	1.5	0.2	6	2	50	4	2	■	■
MSR2015-002-10	1.5	0.2	10	2	50	4	2		
MSR2020-001-8	2.0	0.1	8	3	50	4	2	■	■
MSR2020-001-12	2.0	0.1	12	3	50	4	2		
MSR2020-002-8	2.0	0.2	8	3	50	4	2	■	■
MSR2020-002-12	2.0	0.2	12	3	50	4	2		
MSR2020-003-8	2.0	0.3	8	3	50	4	2	■	■
MSR2020-003-12	2.0	0.3	12	3	50	4	2		
MSR2020-005-8	2.0	0.5	8	3	50	4	2	■	■
MSR2020-005-12	2.0	0.5	12	3	50	4	2		
MSR2025-002-10	2.5	0.2	10	3	60	6	2	■	■
MSR2025-002-10	2.5	0.5	10	3	60	6	2	■	■
MSR2030-002-10	3.0	0.2	10	4	60	6	2	■	■
MSR2030-002-16	3.0	0.2	16	4	60	6	2		
MSR2030-003-10	3.0	0.3	10	4	60	6	2	■	■
MSR2030-003-16	3.0	0.3	16	4	60	6	2		
MSR2030-005-10	3.0	0.5	10	4	60	6	2	■	■
MSR2030-005-16	3.0	0.5	16	4	60	6	2		
MSR2030-010-10	3.0	1.0	10	4	60	6	2	■	■
MSR2030-010-16	3.0	1.0	16	4	60	6	2		

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	Copper 銅
UNCOATED	Copper 銅					

FEATURE : Different length of neck with new ULTRA (D) TIALN+ coating useful for HSM and hard milling (Up to HRC 70 - DRY CUT) .

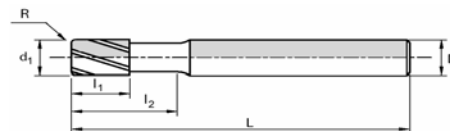
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極細微粒鎢鋼、圓鼻刀、長頸 / 高速切削— 2 刃、短刀

Size : D4.0 ~ D12.0

MSR2

Carbide	Coating	Helix	HRC	V-Speed
Grain Ultra-Fine	ULTRA TIALN+	35°	70	HSM



Dimension(mm) Designation	刀徑 d ₁	R 角 R	有效長 l ₂	刀長 l ₁	全長 L	柄徑 D	刃數 Z	Coating 鍍膜	
								UNCOATED	ULTRA (D)
MSR2040-002-12	4.0	0.2	12	5	60	6	2	■	■
MSR2040-002-20	4.0	0.2	20	5	60	6	2		
MSR2040-003-12	4.0	0.3	12	5	60	6	2	■	■
MSR2040-003-20	4.0	0.3	20	5	60	6	2		
MSR2040-005-12	4.0	0.5	12	5	60	6	2	■	■
MSR2040-005-20	4.0	0.5	20	5	60	6	2		
MSR2040-010-12	4.0	1.0	12	5	60	6	2	■	■
MSR2040-010-20	4.0	1.0	20	5	60	6	2		
MSR2050-003-15	5.0	0.3	15	6	60	6	2	■	■
MSR2050-003-25	5.0	0.3	25	6	60	6	2		
MSR2050-005-15	5.0	0.5	15	6	60	6	2	■	■
MSR2050-005-25	5.0	0.5	25	6	60	6	2		
MSR2050-010-15	5.0	1.0	15	6	60	6	2	■	■
MSR2050-010-25	5.0	1.0	25	6	60	6	2		
MSR2060-002-18	6.0	0.2	18	7	60	6	2	■	■
MSR2060-003-18	6.0	0.3	18	7	60	6	2	■	■
MSR2060-005-18	6.0	0.5	18	7	60	6	2	■	■
MSR2060-010-18	6.0	1.0	18	7	60	6	2	■	■
MSR2060-015-18	6.0	1.5	18	7	60	6	2	■	■
MSR2080-003-24	8.0	0.3	24	9	60	8	2		
MSR2080-005-24	8.0	0.5	24	9	60	8	2	□	□
MSR2080-010-24	8.0	1.0	24	9	60	8	2	□	□
MSR2080-020-24	8.0	2.0	24	9	60	8	2	□	□
MSR2100-005-30	10.0	0.5	30	11	75	10	2	□	□
MSR2100-010-30	10.0	1.0	30	11	75	10	2	□	□
MSR2100-020-30	10.0	2.0	30	11	75	10	2	□	□
MSR2120-010-36	12.0	1.0	36	13	75	12	2	□	□
MSR2120-020-36	12.0	2.0	36	13	75	12	2	□	□

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