

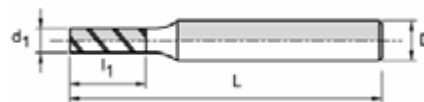
Ultra Fine Grain Carbide Endmills - 4 Flutes · Long Cut Length

極細微粒鎢鋼、端銑刀 — 4 刃、長刃

Size : D1.0 ~ D20.0

UELH4

Carbide	Coating	Coating	Helix	HRC	V-Speed	Rake Angle
Grain Ultra-Fine	ULTRA TIALN+	NT-WET	45°	60	N / HSM	Positive



Dimension(mm) Designation	刃徑 d ₁	刃長 l ₁	全長 L	柄徑 D	刃數 Z	Coating 鍍膜		
						UNCOATED	NT-WET (N)	ULTRA (D)
UELH4A-010	1.0	5	50	4	4			
UELH4A-015	1.5	8	50	4	4			
UELH4A-020	2.0	10	50	4	4	■	□	■
UELH4A-025	2.5	13	50	4	4			
UELH4-030	3.0	15	60	6	4	■	□	■
UELH4-035	3.5	15	60	6	4			
UELH4-040	4.0	20	60	6	4	■	□	■
UELH4-045	4.5	20	60	6	4			
UELH4-050	5.0	25	75	6	4	■	□	■
UELH4-055	5.5	25	75	6	4			
UELH4-060	6.0	30	75	6	4	■	□	■
UELH4-070	7.0	35	75	8	4			
UELH4-080	8.0	40	100	8	4	■	□	■
UELH4-090	9.0	50	100	10	4			
UELH4-100	10.0	50	100	10	4	■	□	■
UELH4-120	12.0	50	100	12	4	■	□	■
UELH4-140	14.0	70	150	14	4			
UELH4-160	16.0	70	150	16	4	■	□	■
UELH4-200	20.0	70	150	20	4			

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

■ Suitable 適用

ULTRA (D)	Steel < HRC32 碳鋼 / 合金鋼	HRC32 ~ 48 合金 / 預硬鋼	HRC49 ~ 55 熱處理鋼	HRC 56 ~ 60 熱處理鋼	Stainless 不鏽鋼	Cast Iron 鑄鐵
UNCOATED	Al-alloy 鋁合金	Copper 銅	Ti-alloy 鈦合金	Synthetics 合成材料		

FEATURE : Widely used , new ULTRA (D) TIALN+ coating useful for HSM (DRY CUT), covering from carbon steels to hardened steels (Up to HRC 60) °.