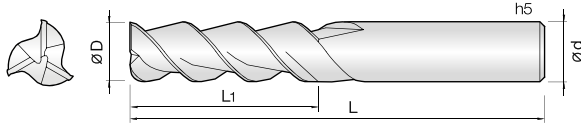


3ALE

3 Flutes 45° Helix End Mills for Aluminum



3

WC

RTAC
Coating

IDI
+0 -0.01
ø1~ø20

45°
Helix Angle

Shield Edge

D Size	D Tolerance
ø1 ~ 20	+0 ~ -0.01 mm

3ALR / 3ALE

•RPM: rev./min •Feed: mm/min

Material	Aluminum Alloys etc.							
Outside Diameter	3ALR				3ALE			
	RPM	FEED			RPM	FEED		
		Vertical	Solting	Side Milling		Vertical	Solting	Side Milling
ø1	30,000	150	900	1,100	25,500	130	770	930
ø2	30,000	225	1,800	2,150	25,500	190	1,530	1,800
ø3	21,600	225	2,000	2,400	18,400	190	1,700	2,000
ø4	16,200	300	2,000	2,400	14,000	255	1,700	2,000
ø5	13,000	300	2,000	2,400	11,000	255	1,700	2,000
ø6	10,800	300	2,000	2,400	9,200	255	1,700	2,000
ø8	8,100	300	2,000	2,400	7,000	255	1,700	2,000
ø10	6,480	250	2,000	2,400	5,500	210	1,700	2,000
ø12	5,400	200	2,000	2,400	4,400	170	1,700	2,000
ø16	-	-	-	-	3,200	130	1,530	1,900
ø20	-	-	-	-	2,000	85	1,360	1,700
Milling Amount (mm)		Ap=0.75D	Ap=0.75D	Ap=0.75D/ Ae=0.3D		Ap=0.75D	Ap=0.75D	Ap=0.75D/ Ae=0.3D
Depth of Cut								