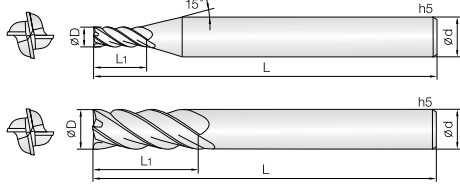
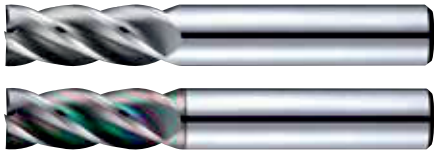


4날 38° 헬릭스 알루미늄 전용 엔드밀



- 알루미늄, 알루미늄 합금 등 비철 비금속 계열 전용 엔드밀
- 강력한 채터링 방지 설계로 측벽 가공 시 엔드밀의 진동을 최소화하였습니다.
- 2중 인선을 적용하여 중, 황삭 가공 시 뛰어난 성능을 발휘합니다.
- 코팅 피막에 경도가 높고 마찰계수가 낮은 Tetrabond TAC코팅을 적용하여 내마모성이 우수하며, 피삭재의 표면조도가 월등히 우수합니다.
- 홈포켓을 깊게 설계하여 흡착현상을 최소화 하였습니다.
- Endmills for Aluminum, AL alloy, non-ferrous and non-metallic materials.
- The powerful anti-chattering design minimizes the vibration of the endmill during side milling.
- Excellent performance in semi-finishing and roughing by applying a double cutting edge.
- the poket is deeply designed to adsorption.

4

WC
미립자

RTAC
Coating

|DI|
+0~0.01

|DI|
-0.01~0.025

|DI|
-0.015~0.03

38°
Helix Angle

Shield Edge

CUTTING
DATA

D Size	D Tolerance
ø 3 ~ 5	+0 ~ -0.01mm
ø 6 ~ 12	-0.01 ~ -0.025mm
ø 16 ~ 20	-0.015 ~ -0.03mm

단위 : mm

Order Number		날경 Diameter	날장 Length of cut	전장 Overall Length	샙크 Shank Dia	비고	
비코팅 Un coated	RTAC 코팅 RTAC Coated	D	L1	L	d	비코팅 Un coated	코팅 Coated
4ALE 030 120 S06	4ALEC 030 120 S06	3	12	50	6		
4ALE 030 150 S06	4ALEC 030 150 S06	3	15	50	6		
4ALE 030 150 070	4ALEC 030 150 070	3	15	70	6		
4ALE 030 200 S06	4ALEC 030 200 S06	3	20	55	6		
4ALE 040 110 S06	4ALEC 040 110 S06	4	11	50	6		
4ALE 040 160 S06	4ALEC 040 160 S06	4	16	50	6		
4ALE 040 160 070	4ALEC 040 160 070	4	16	70	6		
4ALE 040 200 S06	4ALEC 040 200 S06	4	20	55	6		
4ALE 050 130 S06	4ALEC 050 130 S06	5	13	50	6		
4ALE 050 200 S06	4ALEC 050 200 S06	5	20	55	6		
4ALE 050 200 080	4ALEC 050 200 080	5	20	80	6		
4ALE 050 250 S06	4ALEC 050 250 S06	5	25	60	6		
4ALE 060 150 S06	4ALEC 060 150 S06	6	15	50	6		
4ALE 060 200 S06	4ALEC 060 200 S06	6	20	55	6		
4ALE 060 200 080	4ALEC 060 200 080	6	20	80	6		
4ALE 060 250 S06	4ALEC 060 250 S06	6	25	60	6		
4ALE 060 300 S06	4ALEC 060 300 S06	6	30	70	6		
4ALE 080 200 S08	4ALEC 080 200 S08	8	20	60	8		
4ALE 080 250 S08	4ALEC 080 250 S08	8	25	65	8		
4ALE 080 250 090	4ALEC 080 250 090	8	25	90	8		
4ALE 080 300 S08	4ALEC 080 300 S08	8	30	70	8		
4ALE 080 350 S08	4ALEC 080 350 S08	8	35	75	8		
4ALE 100 250 S10	4ALEC 100 250 S10	10	25	70	10		
4ALE 100 300 S10	4ALEC 100 300 S10	10	30	75	10		
4ALE 100 300 100	4ALEC 100 300 100	10	30	100	10		
4ALE 100 350 S10	4ALEC 100 350 S10	10	35	80	10		
4ALE 100 400 S10	4ALEC 100 400 S10	10	40	90	10		
4ALE 120 260 S12	4ALEC 120 260 S12	12	26	75	12		
4ALE 120 350 S12	4ALEC 120 350 S12	12	35	80	12		
4ALE 120 350 110	4ALEC 120 350 110	12	35	110	12		
4ALE 120 400 S12	4ALEC 120 400 S12	12	40	90	12		
4ALE 120 450 S12	4ALEC 120 450 S12	12	45	90	12		
4ALE 160 300 S16	4ALEC 160 300 S16	16	30	90	16		
4ALE 160 500 S16	4ALEC 160 500 S16	16	50	110	16		
4ALE 160 500 150	4ALEC 160 500 150	16	50	150	16		
4ALE 160 650 S16	4ALEC 160 650 S16	16	65	120	16		
4ALE 160 800 S16	4ALEC 160 800 S16	16	80	130	16		
4ALE 200 500 S20	4ALEC 200 500 S20	20	50	110	20		
4ALE 200 750 S20	4ALEC 200 750 S20	20	75	130	20		
4ALE 200 750 160	4ALEC 200 750 160	20	75	160	20		
4ALE 200 1000 S20	4ALEC 200 1000 S20	20	100	160	20		

FOR ALUMINUM