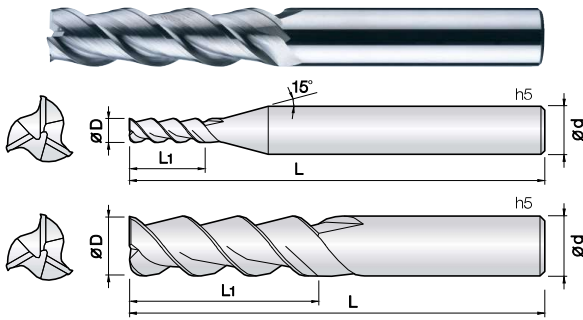


3날 45° 헬릭스 알루미늄 전용 엔드밀



- 알루미늄, 알루미늄 합금 등 비철 비금속 계열 가공 엔드밀
- 날부 인선을 고광면 설계하여 절삭시 피삭재의 표면조도가 우수합니다.
- 다양한 날장(S, L, Exl, Etc) 선택으로 맞춤 가공이 가능합니다.
- 2중 인선과 홈포켓을 깊게 설계하여 흡착현상을 최소화 하였습니다.
- 항절력이 높은 미립자 초경합금(0.5 μ m)을 채택, 엔드밀의 파손을 최소화 하였습니다.
- **Endmills for Aluminum, AL alloy, non-ferrous and non-metallic materials.**
- Applied fine WC grade for excellent surface finish.
- Various flute length design for covering wide range application.
- Minimize built up edge by double edge and deep pocket design.
- Minimize fracturing by high TRS fine(0.5 μ m) WC grade.

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

단위 : mm

Order Number	날경 Diameter D	날장 Length of cut L1	전장 Overall Length L	샙크 Shank Dia d	비고	Order Number	날경 Diameter D	날장 Length of cut L1	전장 Overall Length L	샙크 Shank Dia d	비고
3ALE 010 015 S06	1	1.5	40	6		3ALE 060 150 050	6	15	50	6	
3ALE 010 030 S06	1	3	40	6		3ALE 060 200 055	6	20	55	6	
3ALE 010 050 S06	1	5	45	6		3ALE 060 250 060	6	25	60	6	
New 3ALE 012 030 S06	1.2	3	40	6		3ALE 060 300 070	6	30	70	6	
New 3ALE 012 040 S06	1.2	4	40	6		New 3ALE 060 350 070	6	35	70	6	
New 3ALE 012 060 S06	1.2	6	40	6		New 3ALE 060 400 075	6	40	75	6	
3ALE 015 025 S06	1.5	2.5	40	6		3ALE 080 120 060	8	12	60	8	
3ALE 015 040 S06	1.5	4	40	6		3ALE 080 200 060	8	20	60	8	
3ALE 015 060 S06	1.5	6	45	6		3ALE 080 250 065	8	25	65	8	
3ALE 015 080 S06	1.5	8	45	6		3ALE 080 300 070	8	30	70	8	
New 3ALE 015 100 S06	1.5	10	50	6		3ALE 080 350 075	8	35	75	8	
New 3ALE 015 120 S06	1.5	12	50	6		3ALE 080 400 080	8	40	80	8	
3ALE 020 030 S06	2	3	45	6		3ALE 080 450 090	8	45	90	8	
3ALE 020 050 S06	2	5	45	6		3ALE 080 500 090	8	50	90	8	
3ALE 020 070 S06	2	7	45	6		3ALE 080 550 100	8	55	100	8	
3ALE 020 100 S06	2	10	50	6		New 3ALE 080 600 110	8	60	110	8	
3ALE 020 120 S06	2	12	50	6		3ALE 100 150 070	10	15	70	10	
New 3ALE 020 140 S06	2	14	60	6		3ALE 100 250 070	10	25	70	10	
New 3ALE 020 160 S06	2	16	60	6		3ALE 100 300 075	10	30	75	10	
3ALE 025 040 S06	2.5	4	45	6		3ALE 100 350 080	10	35	80	10	
3ALE 025 080 S06	2.5	8	45	6		3ALE 100 400 090	10	40	90	10	
3ALE 025 120 S06	2.5	12	50	6		3ALE 100 450 090	10	45	90	10	
New 3ALE 025 150 S06	2.5	15	60	6		3ALE 100 500 100	10	50	100	10	
3ALE 030 045 S06	3	4.5	45	6		3ALE 100 550 100	10	55	100	10	
3ALE 030 080 S06	3	8	45	6		3ALE 100 600 110	10	60	110	10	
3ALE 030 120 S06	3	12	50	6		3ALE 100 650 110	10	65	110	10	
3ALE 030 150 S06	3	15	50	6		New 3ALE 100 700 120	10	70	120	10	
3ALE 030 200 S06	3	20	55	6		3ALE 120 180 075	12	18	75	12	
3ALE 030 250 S06	3	25	60	6		3ALE 120 260 075	12	26	75	12	
3ALE 030 300 S06	3	30	65	6		3ALE 120 350 080	12	35	80	12	
3ALE 035 055 S06	3.5	5.5	45	6		3ALE 120 400 090	12	40	90	12	
3ALE 035 100 S06	3.5	10	45	6		3ALE 120 450 090	12	45	90	12	
3ALE 035 150 S06	3.5	15	50	6		3ALE 120 500 100	12	50	100	12	
3ALE 040 060 S06	4	6	45	6		3ALE 120 550 100	12	55	100	12	
3ALE 040 110 S06	4	11	45	6		3ALE 120 650 110	12	65	110	12	
3ALE 040 160 S06	4	16	50	6		New 3ALE 120 700 120	12	70	120	12	
3ALE 040 200 S06	4	20	55	6		3ALE 140 300 080	14	30	80	14	
3ALE 040 250 S06	4	25	60	6		3ALE 140 450 110	14	45	110	14	
3ALE 040 300 S06	4	30	65	6		3ALE 160 300 085	16	30	85	16	
3ALE 045 120 S06	4.5	12	50	6		3ALE 160 500 110	16	50	110	16	
3ALE 045 180 S06	4.5	18	55	6		3ALE 160 650 120	16	65	120	16	
3ALE 050 075 S06	5	7.5	50	6		3ALE 160 800 130	16	80	130	16	
3ALE 050 130 S06	5	13	50	6		3ALE 200 500 100	20	50	100	20	
3ALE 050 200 S06	5	20	55	6		3ALE 200 750 130	20	75	130	20	
3ALE 050 250 S06	5	25	60	6		3ALE 200 1000 160	20	100	160	20	
3ALE 050 300 S06	5	30	65	6		3ALE 200 1300 200	20	130	200	20	
3ALE 055 150 S06	5.5	15	50	6							
3ALE 060 090 050	6	9	50	6							