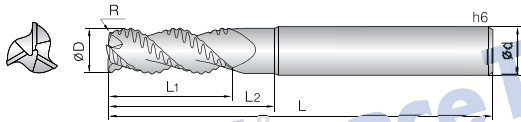


3 Flutes Alu-Cut 45° Helix Roughing End Mills For Aluminium



3AROE



- **Roughing Endmills for Aluminium, AL alloys, non-ferrous and non-metallic materials.**
- Good wear resistance by high quality Si-based A coating.
- A coating provides excellent work surface finish by high hardness and low friction.
- Minimize built up edge by chip braker and deep pocket design.
- Good surface integrity differently from competitor's AL roughing endmills.

Unit(mm)

Model Number Uncoated	Model Number Coated	Cutting Dia. D	Length Of Cut L1	Effective Length L2	Overall Length L	Shank dia d
3AROE 040 080 650	3AROE 040 080 650	4	8	—	50	6
3AROE 040 150 660	3AROE 040 150 660	4	10	15	60	6
3AROE 050 100 660	3AROE 050 100 660	5	10	—	60	6
3AROE 050 200 660	3AROE 050 200 660	5	15	20	60	6
3AROE 060 120 660	3AROE 060 120 660	6	12	—	60	6
3AROE 060 150 660	3AROE 060 150 660	6	15	—	60	6
3AROE 060 200 660	3AROE 060 200 660	6	16	20	60	6
3AROE 060 250 675	3AROE 060 250 675	6	25	—	75	6
3AROE 080 160 875	3AROE 080 160 875	8	16	—	75	8
3AROE 080 200 875	3AROE 080 200 875	8	20	—	75	8
3AROE 080 270 875	3AROE 080 270 875	8	21	27	75	8
3AROE 080 300 8A0	3AROE 080 300 8A0	8	30	—	100	8
3AROE 100 200 A75	3AROE 100 200 A75	10	20	—	75	10
3AROE 100 250 A75	3AROE 100 250 A75	10	25	—	75	10
3AROE 100 310 A75	3AROE 100 310 A75	10	26	31	75	10
3AROE 100 400 AA0	3AROE 100 400 AA0	10	40	—	100	10
3AROE 120 240 C75	3AROE 120 240 C75	12	24	—	75	12
3AROE 120 300 C75	3AROE 120 300 C75	12	30	—	75	12
3AROE 120 350 C75	3AROE 120 350 C75	12	30	35	75	12
3AROE 120 500 CA0	3AROE 120 500 CA0	12	50	—	100	12
3AROE 140 350 EA0	3AROE 140 350 EA0	14	35	—	100	14
3AROE 160 320 GA0	3AROE 160 320 GA0	16	32	—	100	16
3AROE 160 420 GA0	3AROE 160 420 GA0	16	42	—	100	16
3AROE 160 450 GA0	3AROE 160 450 GA0	16	36	45	100	16
3AROE 160 520 GF0	3AROE 160 520 GF0	16	52	—	150	16
3AROE 180 450 IA0	3AROE 180 450 IA0	18	45	—	100	18

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Unit(mm)

Model Number Uncoated	Model Number Coated	Cutting Dia. D	Length Of Cut L1	Effective Length L2	Overall Length L	Shank dia d
3AROE 200 480 KA0	3AROEC 200 480 KA0	20	48	–	100	20
3AROE 200 600 KC0	3AROEC 200 600 KC0	20	50	60	120	20
3AROE 200 600 KF0	3AROEC 200 600 KF0	20	60	–	150	20

ECO-CUT

WIDE-CUT

HARD-CUT

ALU-CUT

D-CUT

SUS CUT

MAGIC DRILLS