

ALU-X MILL

3 Flute Variable Helix Premium Endmills
for Aluminium Machining



All Dimensions in Millimeters

Length	d ₁	d ₂	d ₃	Reach	l ₁	l ₂	l ₃	rad	Item Code
S	6	6	5.5	12	75	7	5	0.5	EMRU.1510S.0600
S	6	6	5.5	12	75	7	5	1	EMRU.1510S.0601
M	6	6	5.5	18	54	7	11	1	EMRU.1510M.0600
M	6	6	5.5	18	75	7	11	0.5	EMRU.1510M.0601
M	6	6	5.5	18	75	7	11	1	EMRU.1510M.0602
L	6	6	5.5	24	75	7	17	0.5	EMRU.1510L.0600
L	6	6	5.5	24	75	7	17	1	EMRU.1510L.0601
XL	6	6	5.5	30	75	7	23	0.5	EMRU.1510X.0600
XL	6	6	5.5	30	75	7	23	1	EMRU.1510X.0601
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S	8	8	7.4	16	80	9	7	1	EMRU.1510S.0800
S	8	8	7.4	16	80	9	7	2	EMRU.1510S.0801
S	8	8	7.4	16	80	9	7	2.5	EMRU.1510S.0802
M	8	8	7.4	24	63	9	15	1	EMRU.1510M.0800
M	8	8	7.4	24	80	9	15	1	EMRU.1510M.0801
M	8	8	7.4	24	80	9	15	2	EMRU.1510M.0802
M	8	8	7.4	24	80	9	15	2.5	EMRU.1510M.0803
L	8	8	7.4	32	80	9	23	1	EMRU.1510L.0800
L	8	8	7.4	32	80	9	23	2	EMRU.1510L.0801
L	8	8	7.4	32	80	9	23	2.5	EMRU.1510L.0802
XL	8	8	7.4	40	80	9	31	1	EMRU.1510X.0800
XL	8	8	7.4	40	80	9	31	2	EMRU.1510X.0801
XL	8	8	7.4	40	80	9	31	2.5	EMRU.1510X.0802
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S	10	10	9.2	20	100	11	9	1.5	EMRU.1510S.1000
S	10	10	9.2	20	100	11	9	2.5	EMRU.1510S.1001
M	10	10	9.2	30	72	11	19	1	EMRU.1510M.1000
M	10	10	9.2	30	72	11	19	2.5	EMRU.1510M.1001
M	10	10	9.2	30	72	11	19	4	EMRU.1510M.1002
M	10	10	9.2	30	100	11	19	1	EMRU.1510M.1003
M	10	10	9.2	30	100	11	19	2	EMRU.1510M.1004
L	10	10	9.2	40	100	11	29	2	EMRU.1510L.1000
L	10	10	9.2	40	100	11	29	2.5	EMRU.1510L.1001
XL	10	10	9.2	50	100	11	39	2	EMRU.1510X.1001
XL	10	10	9.2	50	100	11	39	2.5	EMRU.1510X.1002
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S	12	12	11.2	24	110	13	11	1.5	EMRU.1510S.1200
S	12	12	11.2	24	110	13	11	2.5	EMRU.1510S.1201
S	12	12	11.2	24	110	13	11	4	EMRU.1510S.1202
M	12	12	11.2	36	83	13	23	1	EMRU.1510M.1200
M	12	12	11.2	36	83	13	23	2.5	EMRU.1510M.1201
M	12	12	11.2	36	83	13	23	4	EMRU.1510M.1202
M	12	12	11.2	36	110	13	23	1.5	EMRU.1510M.1203
M	12	12	11.2	36	110	13	23	2.5	EMRU.1510M.1204
M	12	12	11.2	36	110	13	23	4	EMRU.1510M.1205
L	12	12	11.2	48	110	13	35	1.5	EMRU.1510L.1200
L	12	12	11.2	48	110	13	35	2.5	EMRU.1510L.1201
L	12	12	11.2	48	110	13	35	4	EMRU.1510L.1202
XL	12	12	11.2	60	110	13	47	1.5	EMRU.1510X.1200
XL	12	12	11.2	60	110	13	47	2.5	EMRU.1510X.1201
XL	12	12	11.2	60	110	13	47	4	EMRU.1510X.1202

Length	d ₁	d ₂	d ₃	Reach	l ₁	l ₂	l ₃	rad	Item Code
S	16	16	15.2	32	130	17	15	2	EMRU.1510S.1600
S	16	16	15.2	32	130	17	15	2.5	EMRU.1510S.1601
S	16	16	15.2	32	130	17	15	3	EMRU.1510S.1602
S	16	16	15.2	32	130	17	15	4	EMRU.1510S.1603
M	16	16	15.2	48	97	17	31	1	EMRU.1510M.1600
M	16	16	15.2	48	97	17	31	2.5	EMRU.1510M.1601
M	16	16	15.2	48	97	17	31	4	EMRU.1510M.1602
M	16	16	15.2	48	130	17	31	2	EMRU.1510M.1603
M	16	16	15.2	48	130	17	31	2.5	EMRU.1510M.1604
M	16	16	15.2	48	130	17	31	3	EMRU.1510M.1605
M	16	16	15.2	48	130	17	31	4	EMRU.1510M.1606
L	16	16	15.2	64	130	17	47	2	EMRU.1510L.1600
L	16	16	15.2	64	130	17	47	2.5	EMRU.1510L.1601
L	16	16	15.2	64	130	17	47	3	EMRU.1510L.1602
L	16	16	15.2	64	130	17	47	4	EMRU.1510L.1603
XL	16	16	15.2	80	130	17	63	2	EMRU.1510X.1600
XL	16	16	15.2	80	130	17	63	2.5	EMRU.1510X.1601
XL	16	16	15.2	80	130	17	63	3	EMRU.1510X.1602
XL	16	16	15.2	80	130	17	63	4	EMRU.1510X.1603
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S	20	20	19.2	40	150	21	19	2	EMRU.1510S.2000
S	20	20	19.2	40	150	21	19	2.5	EMRU.1510S.2001
S	20	20	19.2	40	150	21	19	3	EMRU.1510S.2002
S	20	20	19.2	40	150	21	19	4	EMRU.1510S.2003
M	20	20	19.2	60	111	21	39	2.5	EMRU.1510M.2000
M	20	20	19.2	60	111	21	39	4	EMRU.1510M.2001
M	20	20	19.2	60	150	21	39	2	EMRU.1510M.2002
M	20	20	19.2	60	150	21	39	2.5	EMRU.1510M.2003
M	20	20	19.2	60	150	21	39	3	EMRU.1510M.2004
M	20	20	19.2	60	150	21	39	4	EMRU.1510M.2005
L	20	20	19.2	80	150	21	59	2	EMRU.1510L.2000
L	20	20	19.2	80	150	21	59	2.5	EMRU.1510L.2001
L	20	20	19.2	80	150	21	59	3	EMRU.1510L.2002
L	20	20	19.2	80	150	21	59	4	EMRU.1510L.2003
XL	20	20	19.2	100	150	21	79	2	EMRU.1510X.2000
XL	20	20	19.2	100	150	21	79	2.5	EMRU.1510X.2001
XL	20	20	19.2	100	150	21	79	3	EMRU.1510X.2002
XL	20	20	19.2	100	150	21	79	4	EMRU.1510X.2003



PASSION FOR PERFORMANCE

ALU-X MILL

3 Flute Variable Helix Endmills for Aluminium Machining

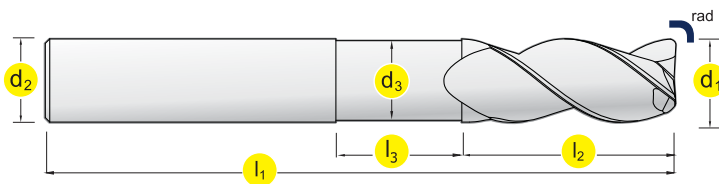


3 Flutes

39° / 40° / 41° Helix

S, M, L, XL

Corner Radius



Polished & Mirror Flutes!

Application Parameters

Material: Construction Aluminium Aviation					n=10,000/min	n=15,000/min	n=20,000/min	n=30,000/min
	d ₁	f _z (mm)	a _p (mm)	a _e (mm)	v _f (mm/min)	v _f (mm/min)	v _f (mm/min)	v _f (mm/min)
AlMg1SiCu/6061	6	0.06	6	6	1800	2700	3600	5400
	8	0.075	8	8	2250	3375	4500	6750
AlCu4MgSi/2017	10	0.095	10	10	2850	4275	5700	8550
AlCu2Mg1.5Ni/2618	12	0.115	12	12	3450	5175	6900	10350
AlZn5.5MgCu/7175	16	0.125	16	16	3750	5625	7500	11250
AlZn6CuMgZr/7150	20	0.13	20	20	3900	2850	7800	11700
AlCu4Mg1/2124	25	0.14	25	25	4200	6300	8400	12600

Material: Wrought Aluminium Alloys					n=10,000/min	n=15,000/min	n=20,000/min	n=30,000/min
	d ₁	f _z (mm)	a _p (mm)	a _e (mm)	v _f (mm/min)	v _f (mm/min)	v _f (mm/min)	v _f (mm/min)
AlMgSi1 / 6082	6	0.06	3.5	3.6	1800	2700	3600	5400
	8	0.075	4.5	4.8	2250	3375	4500	6750
Cast Aluminium G-AlSi11Mg	10	0.095	5	6	2850	4275	5700	8550
	12	0.115	5.5	7.2	3450	5175	6900	10350
	16	0.125	6	9.6	3750	5625	7500	11250
	20	0.13	6.5	12	3900	2850	7800	11700
	25	0.14	6.5	15	4200	6300	8400	12600

Registered Office / Plant :

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