



RAZOR MILL

2 Flute 45° Helix Endmill

130M

Medium-Länge mit Eckenfase

Material:

N



2



45°



Medium



Eckenfase

Unbeschichtet

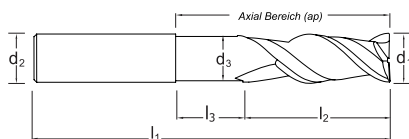
MG

Si ≤10



RPM

s.35



Toleranzen (Metrisch)

Durchmesser	d1	d2	l1
3-6	(+0.000) - (-0.007)	(-0.000) - (-0.007)	± 0.8
6.1-10	(+0.000) - (-0.007)	(-0.000) - (-0.007)	± 0.8
10.1-18	(+0.000) - (-0.007)	(-0.000) - (-0.007)	± 0.8
18.1-25	(+0.000) - (-0.007)	(-0.000) - (-0.007)	± 0.8

130M-Metrisch

d ₁	d ₂	d ₃	l ₂	l ₁	l ₃	r	ap	z	Preis	HA Bright	HB Bright
mm	mm	mm	mm	mm	mm	mm	mm		Euro	Artikelnummer	Artikelnummer
3.00	6	2.8	7	57	8	-	15	2	€ 17,29	EMCU 1300M 0300	EMCA 1301M 0300
4.00	6	3.8	8	57	9	-	17	2	€ 17,29	EMCU 1300M 0400	EMCA 1301M 0400
5.00	6	4.8	10	57	9	-	19	2	€ 17,29	EMCU 1300M 0500	EMCA 1301M 0500
6.00	6	5.8	10	57	11	-	21	2	€ 17,29	EMCU 1300M 0600	EMCA 1301M 0600
8.00	8	7.8	10	63	11	-	27	2	€ 23,83	EMCU 1300M 0800	EMCA 1301M 0800
10.00	10	9.8	19	72	13	-	32	2	€ 33,34	EMCU 1300M 1000	EMCA 1301M 1000
12.00	12	11.8	22	83	16	-	38	2	€ 46,00	EMCU 1300M 1200	EMCA 1301M 1200
16.00	16	15.8	26	92	18	-	44	2	€ 73,17	EMCU 1300M 1600	EMCA 1301M 1600
20.00	20	19.8	32	104	22	-	54	2	€ 121,26	EMCU 1300M 2000	EMCA 1301M 2000



RAZOR MILL

3 Flutes 38° Helix Endmill

150M

Medium-Länge mit Eckenfase

Material :

N



3



38°



Medium



Eckenfase
45°

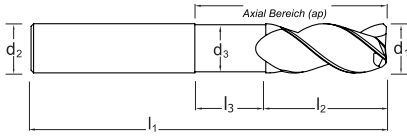
Unbeschichtet

MG

Si ≤10



s. 35



Toleranzen (Metrisch)

Durchmesser	d1	d2	l1
3-6	(+0.000) - (-0.007)	(-0.000) - (-0.007)	± 0.8
6.1-10	(+0.000) - (-0.007)	(-0.000) - (-0.007)	± 0.8
10.1-18	(+0.000) - (-0.007)	(-0.000) - (-0.007)	± 0.8
18.1-25	(+0.000) - (-0.007)	(-0.000) - (-0.007)	± 0.8

150M- Metrisch

d ₁	d ₂	d ₃	l ₂	l ₁	l ₃	r	ap	z	Preis	HA Bright	HB Bright
mm	mm	mm	mm	mm	mm	mm	mm		Euro	Artikelnummer	Artikelnummer
3.00	6	2.8	7	57	8	-	15	3	€ 17,29	EMCU 1500M 0300	EMCA 1501M 0300
4.00	6	3.8	8	57	9	-	17	3	€ 17,29	EMCU 1500M 0400	EMCA 1501M 0400
5.00	6	4.8	10	57	9	-	19	3	€ 17,29	EMCU 1500M 0500	EMCA 1501M 0500
6.00	6	5.8	10	57	11	-	21	3	€ 17,29	EMCU 1500M 0600	EMCA 1501M 0600
8.00	8	7.8	10	63	11	-	27	3	€ 23,83	EMCU 1500M 0800	EMCA 1501M 0800
10.00	10	9.8	19	72	13	-	32	3	€ 33,34	EMCU 1500M 1000	EMCA 1501M 1000
12.00	12	11.8	22	83	16	-	38	3	€ 46,00	EMCU 1500M 1200	EMCA 1501M 1200
16.00	16	15.8	26	92	18	-	44	3	€ 73,17	EMCU 1500M 1600	EMCA 1501M 1600
20.00	20	19.8	32	104	22	-	54	3	€ 121,26	EMCU 1500M 2000	EMCA 1501M 2000



ALU-X MILL

3 Flutes Variable Helix Endmill

151M

Medium-Länge mit Eckenfase

Material :

N



3



Variable



Medium

Eckenfase
45°

Unbeschichtet

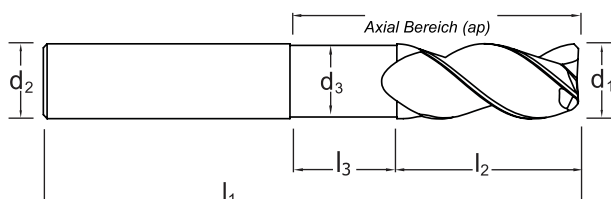
MG

Si ≤10



RPM

s.35



Toleranzen (Metrisch)

Durchmesser	d1	d2	l1
3-6	(-0.000) - (-0.007)	(-0.000) - (-0.007)	± 0.8
6.1-10	(-0.000) - (-0.007)	(-0.000) - (-0.007)	± 0.8
10.1-18	(-0.000) - (-0.007)	(-0.000) - (-0.007)	± 0.8
18.1-25	(-0.000) - (-0.007)	(-0.000) - (-0.007)	± 0.8



151M- Metrisch

d ₁	d ₂	d ₃	l ₂	l ₁	l ₃	r	ap	z	Preis	HA Bright
mm	mm	mm	mm	mm	mm	mm	mm		Euro	Artikelnummer
6.00	6.0	5.8	7.0	54.0	11	-	18	3	€ 26,86	EMSU 1510M 0600
8.00	8.0	7.8	9.0	63.0	15	-	24	3	€ 34,91	EMSU 1510M 0800
10.00	10.0	9.8	11.0	72.0	19	-	30	3	€ 47,69	EMSU 1510M 1000
12.00	12.0	11.8	13.0	83.0	23	-	36	3	€ 63,69	EMSU 1510M 1200
16.00	16.0	15.8	17.0	97.0	31	-	48	3	€ 95,66	EMSU 1510M 1600
20.00	20.0	19.8	21.0	111.0	39	-	60	3	€ 142,86	EMSU 1510M 2000
25.00	25.0	24.8	26.0	132.0	53	-	79	3	€ 277,14	EMSU 1510M 2500

3 Schneider variable Spirale Fräser Medium-Länge mit Eckenradius

d ₁	d ₂	d ₃	l ₂	l ₁	l ₃	r	ap	z	Preis	HA Bright
mm	mm	mm	mm	mm	mm	mm	mm		Euro	Artikelnummer
6.00	6	5.8	7	54	11.0	0.5	18	3	€ 32,37	EMRU 1510M 0600 050
8.00	8	7.8	9	63	15.0	0.5	24	3	€ 40,40	EMRU 1510M 0800 050
10.00	10	9.8	11	72	19.0	0.5	30	3	€ 53,20	EMRU 1510M 1000 050
10.00	10	9.8	11	72	19.0	1.0	30	3	€ 55,97	EMRU 1510M 1000 100
10.00	10	9.8	11	72	19.0	1.5	30	3	€ 55,97	EMRU 1510M 1000 150
10.00	10	9.8	11	72	19.0	2.0	30	3	€ 55,97	EMRU 1510M 1000 200
10.00	10	9.8	11	72	19.0	2.5	30	3	€ 55,97	EMRU 1510M 1000 250
12.00	12	11.8	13	83	23.0	0.5	36	3	€ 72,63	EMRU 1510M 1200 050
12.00	12	11.8	13	83	23.0	1.0	36	3	€ 76,06	EMRU 1510M 1200 100
12.00	12	11.8	13	83	23.0	1.5	36	3	€ 76,06	EMRU 1510M 1200 150
12.00	12	11.8	13	83	23.0	2.0	36	3	€ 76,06	EMRU 1510M 1200 200
12.00	12	11.8	13	83	23.0	2.5	36	3	€ 76,06	EMRU 1510M 1200 250
16.00	16	15.8	17	97	31.0	1.0	48	3	€ 102,54	EMRU 1510M 1600 100
16.00	16	15.8	17	97	31.0	2.5	48	3	€ 106,69	EMRU 1510M 1600 250
16.00	16	15.8	17	97	31.0	4.0	48	3	€ 116,31	EMRU 1510M 1600 400
20.00	20	19.8	21	111	39.0	2.5	60	3	€ 163,49	EMRU 1510M 2000 250
20.00	20	19.8	21	111	39.0	4.0	60	3	€ 184,14	EMRU 1510M 2000 400
25.00	25	24.8	26	132	53.0	2.5	79	3	€ 297,77	EMRU 1510M 2500 250
25.00	25	24.8	26	132	53.0	4.0	79	3	€ 325,31	EMRU 1510M 2500 400

Razor Mills 1300M / 1500M



MATERIAL	Vc (m/min)	Diameter							
		fz (mm/Zahn)							
		3.00	4.00	6.00	8.00	10.00	12.00	16.00	20.00
Aluminium, AL Knetlegierungen < 3% Si 2024, 6061, 7075, 1050, 6351, 5005, 2017, 7075	280	0.029	0.067	0.085	0.103	0.132	0.170	0.200	0.265
Aluminium, AL Knetlegierungen < 3% Si Hohen Silizium- A380, A390, Gussteile, 3.2131 G-ALSi-5Cu1, 3.2153 G-ALSi- 7Cu3, 3.2573 G-ALSi9, 3.2581 G-ALSi12, 3.2583 G-ALSi12Cu, - G ALSi12CuNiMg	213	0.023	0.052	0.067	0.082	0.105	0.134	0.159	0.211

Alu-X Mill

MATERIAL	d1	Diagram	RPM / U/min				
			fz	10000	15000	20000	30000
			Vf (mm/min)				
Konstruktion Aluminium Luftfahrt AlMg1SiCu/6061, AlCu4MgSi/2017, AlCu2Mg1, 5Ni/2618	6	Radiale Schnittbreite (ae): 1xd	0.060	1800	2700	3600	5400
	8		0.075	2250	3375	4500	6750
	10		0.095	2850	4275	5700	8550
	12	Axial Schnitttiefe (ap): 1xd	0.115	3450	5175	6900	10350
	16		0.125	3750	5625	7500	11250
	20		0.130	3900	2850	7800	11700
	25		0.140	4200	6300	8400	12600
Aluminium Guß AlMgSi1 / 6082, Cast Aluminium, G-ALSi11Mg	6	Radiale Schnittbreite (ae) (ae): 0.5xd	0.060	1800	2700	3600	5400
	8		0.075	2250	3375	4500	6750
	10		0.095	2850	4275	5700	8550
	12	Axial Schnitttiefe (ap): 0.5xd	0.115	3450	5175	6900	10350
	16		0.125	3750	5625	7500	11250
	20		0.130	3900	2850	7800	11700
	25		0.140	4200	6300	8400	12600



Stähle



Superlegierungen



Rostfreie Stähle



Gußeisen



Aluminium



Gehärtete Stähle

Haben Sie Fragen?

Unsere Experten stehen Ihnen zur Verfügung:

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