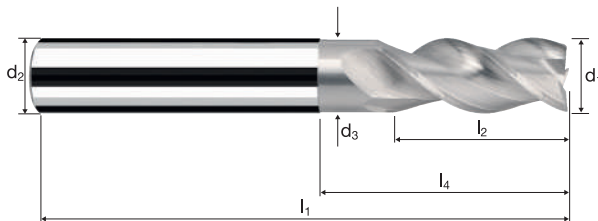
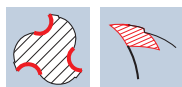


Cylindrical end mills AX (AX-NV3)

Smooth-edged, normal version with short neck



HM λ 40°
MG10 γ 20°



Roughing

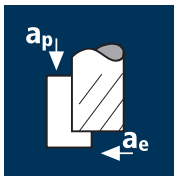
Finishing



Rm < 850 Al Aluminium > 99% Al Aluminium Alloy Al Aluminium Cast Cu Copper Plastic Thermoplast

Ø Code	d ₁ e8	d ₂ h6	d ₃	l ₁	l ₂	l ₃	l ₄	α	z	CELERO	
										15630	C15630
180	3.00	6.00	2.80	57	8.00	14.00	20.63	4.5°	3	●	●
220	4.00	6.00	3.70	57	11.00	16.00	20.95	3.0°	3	●	●
260	5.00	6.00	4.60	57	13.00	18.00	21.27	1.5°	3	●	●
300	6.00	6.00	5.50	57	13.00	19.34	20.00	0.0°	3	●	●
391	8.00	8.00	7.40	63	19.00	25.29	26.00	0.0°	3	●	●
450	10.00	10.00	9.20	72	22.00	30.20	31.00	0.0°	3	●	●
501	12.00	12.00	11.00	83	26.00	36.13	37.00	0.0°	3	●	●
610	16.00	16.00	15.00	92	32.00	42.13	43.00	0.0°	3	●	●
682	20.00	20.00	19.00	104	38.00	52.13	53.00	0.0°	3	●	●

Application



Material

Wrought aluminium
Construction aluminium



Unalloyed copper



Thermoplastics



Cast aluminium



Wrought aluminium
Construction aluminium



Unalloyed copper



Thermoplastics



Cast aluminium



d1 [mm]	z	v _c [m/min]	f _s [mm]	a _p [mm]	a _e [mm]	n [min ⁻¹]	v _r [mm/min]	Q [cm ³ /min]
3.00	3	396	0.050	4.500	1.400	42015	6305	39.7
4.00	3	528	0.065	6.000	1.800	42015	8195	88.5
5.00	3	550	0.085	7.500	2.300	35015	8930	154.0
6.00	3	550	0.110	9.000	2.700	29180	9630	234.0
8.00	3	550	0.135	12.000	3.600	21885	8865	382.9
10.00	3	550	0.165	15.000	4.500	17505	8665	585.0
12.00	3	550	0.200	18.000	5.400	14590	8755	850.8
16.00	3	550	0.215	24.000	7.200	10940	7060	1219.5
20.00	3	550	0.250	30.000	9.000	8755	6565	1772.6
3.00	3	396	0.040	4.500	1.350	42015	5040	30.6
4.00	3	400	0.050	6.000	1.800	31830	4775	51.6
5.00	3	400	0.070	7.500	2.250	25465	5350	90.2
6.00	3	400	0.090	9.000	2.700	21220	5730	139.2
8.00	3	400	0.110	12.000	3.600	15915	5250	226.9
10.00	3	400	0.130	15.000	4.500	12730	4965	335.2
12.00	3	400	0.160	18.000	5.400	10610	5095	495.0
16.00	3	400	0.170	24.000	7.200	7960	4060	701.3
20.00	3	400	0.200	30.000	9.000	6365	3820	1031.3
3.00	3	396	0.050	4.500	1.350	42015	6305	38.3
4.00	3	528	0.065	6.000	1.800	42015	8195	88.5
5.00	3	660	0.085	7.500	2.250	42015	10715	180.8
6.00	3	792	0.110	9.000	2.700	42015	13865	336.9
8.00	3	1000	0.135	12.000	3.600	39790	16115	696.1
10.00	3	1000	0.165	15.000	4.500	31830	15755	1063.6
12.00	3	1000	0.200	18.000	5.400	26525	15915	1547.0
16.00	3	1000	0.215	24.000	7.200	19895	12830	2217.3
20.00	3	1000	0.250	30.000	9.000	15915	11935	3222.9
3.00	3	396	0.050	4.500	1.350	42015	6305	38.3
4.00	3	440	0.065	6.000	1.800	35015	6830	73.7
5.00	3	440	0.085	7.500	2.250	28010	7145	120.5
6.00	3	440	0.110	9.000	2.700	23345	7705	187.2
8.00	3	440	0.135	12.000	3.600	17505	7090	306.3
10.00	3	440	0.165	15.000	4.500	14005	6935	468.0
12.00	3	440	0.200	18.000	5.400	11670	7005	680.7
16.00	3	440	0.215	24.000	7.200	8755	5645	975.6
20.00	3	440	0.250	30.000	9.000	7005	5250	1418.1
3.00	3	396	0.035	1.800	3.000	42015	4410	23.8
4.00	3	450	0.045	2.400	4.000	35810	4835	46.4
5.00	3	450	0.060	3.000	5.000	28650	5155	77.3
6.00	3	450	0.075	3.600	6.000	23875	5370	116.0
8.00	3	450	0.095	4.800	8.000	17905	5105	196.0
10.00	3	450	0.115	6.000	10.000	14325	4940	296.5
12.00	3	450	0.140	7.200	12.000	11935	5015	433.2
16.00	3	450	0.150	9.600	16.000	8950	4030	618.8
20.00	3	450	0.175	12.000	20.000	7160	3760	902.4
3.00	3	350	0.030	1.800	3.000	37135	3340	18.0
4.00	3	350	0.035	2.400	4.000	27850	2925	28.1
5.00	3	350	0.050	3.000	5.000	22280	3340	50.1
6.00	3	350	0.060	3.600	6.000	18570	3340	72.2
8.00	3	350	0.075	4.800	8.000	13925	3135	120.3
10.00	3	350	0.090	6.000	10.000	11140	3010	180.5
12.00	3	350	0.110	7.200	12.000	9285	3065	264.7
16.00	3	350	0.120	9.600	16.000	6965	2505	385.0
20.00	3	350	0.140	12.000	20.000	5570	2340	561.5
3.00	3	396	0.035	1.800	3.000	42015	4410	23.8
4.00	3	528	0.045	2.400	4.000	42015	5670	54.5
5.00	3	660	0.060	3.000	5.000	42015	7565	113.4
6.00	3	792	0.075	3.600	6.000	42015	9455	204.2
8.00	3	800	0.095	4.800	8.000	31830	9070	348.4
10.00	3	800	0.115	6.000	10.000	25465	8785	527.1
12.00	3	800	0.140	7.200	12.000	21220	8915	770.1
16.00	3	800	0.150	9.600	16.000	15915	7160	1100.1
20.00	3	800	0.175	12.000	20.000	12730	6685	1604.3
3.00	3	360	0.035	1.800	3.000	38195	4010	21.7
4.00	3	360	0.045	2.400	4.000	28650	3865	37.1
5.00	3	360	0.060	3.000	5.000	22920	4125	61.9
6.00	3	360	0.075	3.600	6.000	19100	4295	92.8
8.00	3	360	0.095	4.800	8.000	14325	4080	156.8
10.00	3	360	0.115	6.000	10.000	11460	3955	237.2
12.00	3	360	0.140	7.200	12.000	9550	4010	346.5
16.00	3	360	0.150	9.600	16.000	7160	3225	495.0
20.00	3	360	0.175	12.000	20.000	5730	3010	721.9