

Zylindrische Fräser AX-NV2

Glattschneidig, normale Ausführung mit Kurzhals

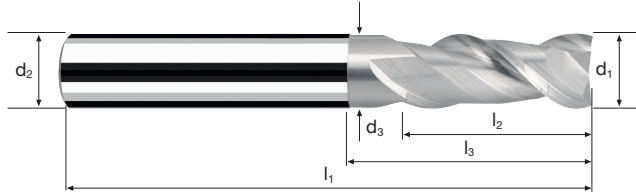


**HM
MG10**

λ 40°
 γ 20°

90°

Vario



Schuppen



Schichten



Rm
< 850

Al
Aluminium
> 99%

Al
Aluminium
Alloy

Al
Aluminium
Cast

Cu
Copper

Plastic
Thermoplast

		Beschichtung		Artikel-Nr.		α-Code				CELERO	
		Beispiel: Bestell-Nr.	C	15520	140			15620	C15620	15520	C15520
Ø Code	d1 e8	d2 h6	d3	l1	l2	l3	α	z			
140	2	6	1.9	57	7	10	7.0°	2	●	●	●
180	3	6	2.8	57	8	14	4.5°	2	●	●	●
220	4	6	3.7	57	11	16	3.0°	2	●	●	●
260	5	6	4.6	57	13	18	1.5°	2	●	●	●
300	6	6	5.5	57	13	20	0.0°	2	●	●	●
391	8	8	7.4	63	19	26	0.0°	2	●	●	●
450	10	10	9.2	72	22	31	0.0°	2	●	●	●
501	12	12	11.0	83	26	37	0.0°	2	●	●	●
610	16	16	15.0	92	32	43	0.0°	2	●	●	●
682	20	20	19.0	104	38	53	0.0°	2	●	●	●
											●
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Anwendung

Werkstoff

Al-Knetlegierung
Si < 6%

d1 [mm]	z	v _c [m/min]	f _z [mm]	a _p [mm]	a _e [mm]	n [min ⁻¹]	v _f [mm/min]	Q [cm ³ /min]
3	2	550	0.055	4.5	1.8	58360	6420	52.0
4	2	550	0.075	6.0	2.4	43770	6565	94.5
5	2	550	0.090	7.5	3.0	35015	6305	142.0
6	2	550	0.120	9.0	3.6	29180	7005	227.0
8	2	550	0.160	12.0	4.8	21885	7005	403.5
10	2	550	0.200	15.0	6.0	17510	7005	630.5
12	2	550	0.220	18.0	7.2	14590	6420	832.0
16	2	550	0.245	24.0	9.6	10940	5360	1235.0
20	2	550	0.285	30.0	12.0	8755	4990	1796.5

Reinkupfer

3	2	400	0.045	4.5	1.8	42445	3820	31.0
4	2	400	0.060	6.0	2.4	31830	3820	55.0
5	2	400	0.070	7.5	3.0	25465	3565	80.0
6	2	400	0.095	9.0	3.6	21220	4030	130.5
8	2	400	0.130	12.0	4.8	15915	4140	238.5
10	2	400	0.160	15.0	6.0	12735	4075	367.0
12	2	400	0.175	18.0	7.2	10610	3715	481.5
16	2	400	0.195	24.0	9.6	7960	3105	715.5
20	2	400	0.230	30.0	12.0	6365	2930	1055.0

Thermoplaste

3	2	1000	0.055	4.5	1.8	60000	6600	53.5
4	2	1000	0.075	6.0	2.4	60000	9000	129.5
5	2	1000	0.090	7.5	3.0	60000	10800	243.0
6	2	1000	0.120	9.0	3.6	53055	12735	412.5
8	2	1000	0.160	12.0	4.8	39790	12735	733.5
10	2	1000	0.200	15.0	6.0	31830	12730	1145.5
12	2	1000	0.220	18.0	7.2	26525	11670	1512.5
16	2	1000	0.245	24.0	9.6	19895	9750	2246.5
20	2	1000	0.285	30.0	12.0	15915	9070	3265.0

Aluminiumguss
Si 6% - 15%

3	2	350	0.040	4.5	1.8	37135	2970	24.0
4	2	350	0.055	6.0	2.4	27855	3065	44.0
5	2	350	0.065	7.5	3.0	22280	2895	65.0
6	2	350	0.085	9.0	3.6	18570	3155	102.0
8	2	350	0.110	12.0	4.8	13925	3065	176.5
10	2	350	0.140	15.0	6.0	11140	3120	281.0
12	2	350	0.155	18.0	7.2	9285	2880	373.0
16	2	350	0.170	24.0	9.6	6965	2370	546.0
20	2	350	0.200	30.0	12.0	5570	2230	803.0

Anwendung

Werkstoff

Al-Knetlegierung
Si < 6%

d1 [mm]	z	v _c [m/min]	f _z [mm]	a _p [mm]	a _e [mm]	n [min ⁻¹]	v _f [mm/min]	Q [cm ³ /min]
3	2	450	0.040	3.0	3	47750	3820	34.5
4	2	450	0.055	4.0	4	35810	3940	63.0
5	2	450	0.065	5.0	5	28650	3725	93.0
6	2	450	0.085	6.0	6	23875	4060	146.0
8	2	450	0.110	8.0	8	17905	3940	252.0
10	2	450	0.140	10.0	10	14325	4010	401.0
12	2	450	0.155	12.0	12	11935	3700	533.0
16	2	450	0.170	16.0	16	8955	3045	779.5
20	2	450	0.200	20.0	20	7160	2865	1146.0

Reinkupfer

3	2	350	0.030	3.0	3	37135	2230	20.0
4	2	350	0.045	4.0	4	27855	2505	40.0
5	2	350	0.050	5.0	5	22280	2230	56.0
6	2	350	0.070	6.0	6	18570	2600	93.5
8	2	350	0.090	8.0	8	13925	2505	160.5
10	2	350	0.110	10.0	10	11140	2450	245.0
12	2	350	0.125	12.0	12	9285	2320	334.0
16	2	350	0.135	16.0	16	6965	1880	481.5
20	2	350	0.160	20.0	20	5570	1780	712.0

Thermoplaste

3	2	800	0.040	3.0	3	60000	4800	43.0
4	2	800	0.055	4.0	4	60000	6600	105.5
5	2	800	0.065	5.0	5	50930	6620	165.5
6	2	800	0.085	6.0	6	42445	7215	259.5
8	2	800	0.110	8.0	8	31830	7005	448.5
10	2	800	0.140	10.0	10	25465	7130	713.0
12	2	800	0.155	12.0	12	21220	6580	947.5
16	2	800	0.170	16.0	16	15915	5410	1385.0
20	2	800	0.200	20.0	20	12735	5095	2038.0

Aluminiumguss
Si 6% - 15%

3	2	300	0.030	3.0	3	31830	1910	17.0
4	2	300	0.040	4.0	4	23875	1910	30.5
5	2	300	0.045	5.0	5	19100	1720	43.0
6	2	300	0.060	6.0	6	15915	1910	69.0
8	2	300	0.075	8.0	8	11935	1790	114.5
10	2	300	0.100	10.0	10	9550	1910	191.0
12	2	300	0.110	12.0	12	7960	1750	252.0
16	2	300	0.120	16.0	16	5970	1435	367.5
20	2	300	0.140	20.0	20	4775	1335	534.0