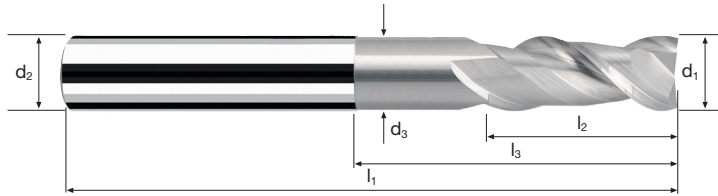
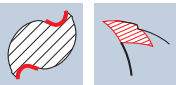
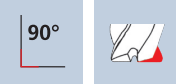


# Zylindrische Fräser AX-NV2

Glattschneidig, mittellange Ausführung mit Hals



**HM**  
**MG10**    λ **40°**  
                  γ **20°**



Schruppen



Schichten



**Rm**  
< 850

**Al**

Aluminium  
> 99%

**Al**

Aluminium  
Alloy

**Al**

Aluminium  
Cast

**Cu**  
Copper

**Plastic**  
Thermoplast

Beispiel:  
Bestell-Nr.

Beschichtung    Artikel-Nr.    α-Code  
**C**    **15550**    **180**



**15650**

**CELERO**

**C15650**

**15550**

**C15550**

Ø Code	d1 e8	d2 h6	d3	l1	l2	l3	α	z		
<b>180</b>	3	6	2.8	63	8	20	3.5°	2	●	●
<b>220</b>	4	6	3.7	63	11	22	2.5°	2	●	●
<b>260</b>	5	6	4.6	63	13	24	1.5°	2	●	●
<b>300</b>	6	6	5.5	63	13	26	0.0°	2	●	●
<b>391</b>	8	8	7.4	72	19	35	0.0°	2	●	●
<b>450</b>	10	10	9.2	84	22	43	0.0°	2	●	●
<b>501</b>	12	12	11.0	97	26	51	0.0°	2	●	●
<b>610</b>	16	16	15.0	108	32	59	0.0°	2	●	●
<b>682</b>	20	20	19.0	122	38	71	0.0°	2	●	●

Anwendung

Werkstoff

Al-Knetlegierung  
Si < 6%

d1 [mm]	z	v <sub>c</sub> [m/min]	f <sub>z</sub> [mm]	a <sub>p</sub> [mm]	a <sub>e</sub> [mm]	n [min <sup>-1</sup> ]	v <sub>f</sub> [mm/min]	Q [cm <sup>3</sup> /min]
3	2	550	0.050	4.5	1.2	58360	5835	31.5
4	2	550	0.065	6.0	1.6	43770	5690	54.5
5	2	550	0.080	7.5	2.0	35015	5600	84.0
6	2	550	0.110	9.0	2.4	29180	6420	138.5
8	2	550	0.145	12.0	3.2	21885	6345	243.5
10	2	550	0.180	15.0	4.0	17510	6305	378.5
12	2	550	0.195	18.0	4.8	14590	5690	491.5
16	2	550	0.220	24.0	6.4	10940	4815	739.5
20	2	550	0.255	30.0	8.0	8755	4465	1071.5

Reinkupfer

3	2	400	0.040	4.5	1.2	42445	3395	18.5
4	2	400	0.050	6.0	1.6	31830	3185	30.5
5	2	400	0.065	7.5	2.0	25465	3310	49.5
6	2	400	0.090	9.0	2.4	21220	3820	82.5
8	2	400	0.115	12.0	3.2	15915	3660	140.5
10	2	400	0.145	15.0	4.0	12735	3695	221.5
12	2	400	0.155	18.0	4.8	10610	3290	284.5
16	2	400	0.175	24.0	6.4	7960	2785	428.0
20	2	400	0.205	30.0	8.0	6365	2610	626.5

Thermoplaste

3	2	1000	0.050	4.5	1.2	60000	6000	32.5
4	2	1000	0.065	6.0	1.6	60000	7800	75.0
5	2	1000	0.080	7.5	2.0	60000	9600	144.0
6	2	1000	0.110	9.0	2.4	53055	11670	252.0
8	2	1000	0.145	12.0	3.2	39790	11540	443.0
10	2	1000	0.180	15.0	4.0	31830	11460	687.5
12	2	1000	0.195	18.0	4.8	26525	10345	894.0
16	2	1000	0.220	24.0	6.4	19895	8755	1345.0
20	2	1000	0.255	30.0	8.0	15915	8115	1947.5

Aluminiumguss  
Si 6% - 15%

3	2	350	0.035	4.5	1.2	37135	2600	14.0
4	2	350	0.045	6.0	1.6	27855	2505	24.0
5	2	350	0.055	7.5	2.0	22280	2450	37.0
6	2	350	0.075	9.0	2.4	18570	2785	60.0
8	2	350	0.100	12.0	3.2	13925	2785	107.0
10	2	350	0.125	15.0	4.0	11140	2785	167.0
12	2	350	0.135	18.0	4.8	9285	2505	216.5
16	2	350	0.155	24.0	6.4	6965	2160	332.0
20	2	350	0.180	30.0	8.0	5570	2005	481.0

Anwendung

Werkstoff

Al-Knetlegierung  
Si < 6%

d1 [mm]	z	v <sub>c</sub> [m/min]	f <sub>z</sub> [mm]	a <sub>p</sub> [mm]	a <sub>e</sub> [mm]	n [min <sup>-1</sup> ]	v <sub>f</sub> [mm/min]	Q [cm <sup>3</sup> /min]
3	2	450	0.035	2.1	3	47750	3345	21.0
4	2	450	0.045	2.8	4	35810	3225	36.0
5	2	450	0.055	3.5	5	28650	3150	55.0
6	2	450	0.075	4.2	6	23875	3580	90.0
8	2	450	0.100	5.6	8	17905	3580	160.5
10	2	450	0.125	7.0	10	14325	3580	250.5
12	2	450	0.135	8.4	12	11935	3220	324.5
16	2	450	0.155	11.2	16	8955	2775	497.5
20	2	450	0.180	14.0	20	7160	2580	722.5

Reinkupfer

3	2	350	0.030	2.1	3	37135	2230	14.0
4	2	350	0.035	2.8	4	27855	1950	22.0
5	2	350	0.045	3.5	5	22280	2005	35.0
6	2	350	0.060	4.2	6	18570	2230	56.0
8	2	350	0.080	5.6	8	13925	2230	100.0
10	2	350	0.100	7.0	10	11140	2230	156.0
12	2	350	0.110	8.4	12	9285	2045	206.0
16	2	350	0.125	11.2	16	6965	1740	312.0
20	2	350	0.145	14.0	20	5570	1615	452.0

Thermoplaste

3	2	800	0.035	2.1	3	60000	4200	26.5
4	2	800	0.045	2.8	4	60000	5400	60.5
5	2	800	0.055	3.5	5	50930	5600	98.0
6	2	800	0.075	4.2	6	42445	6365	160.5
8	2	800	0.100	5.6	8	31830	6365	285.0
10	2	800	0.125	7.0	10	25465	6365	445.5
12	2	800	0.135	8.4	12	21220	5730	577.5
16	2	800	0.155	11.2	16	15915	4935	884.5
20	2	800	0.180	14.0	20	12735	4585	1284.0

Aluminiumguss  
Si 6% - 15%

3	2	300	0.025	2.1	3	31830	1590	10.0
4	2	300	0.030	2.8	4	23875	1435	16.0
5	2	300	0.040	3.5	5	19100	1530	27.0
6	2	300	0.055	4.2	6	15915	1750	44.0
8	2	300	0.070	5.6	8	11935	1670	75.0
10	2	300	0.090	7.0	10	9550	1720	120.5
12	2	300	0.095	8.4	12	7960	1510	152.0
16	2	300	0.110	11.2	16	5970	1315	235.5
20	2	300	0.125	14.0	20	4775	1195	334.5