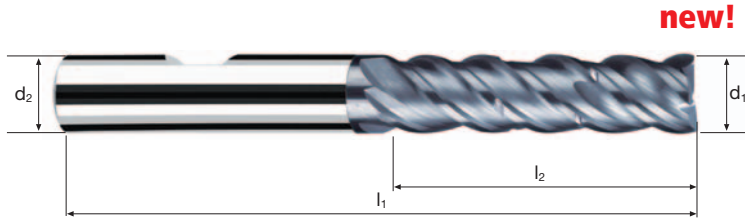
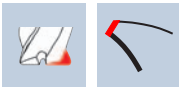
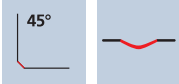


Zylindrische Fräser NB-NVD

Glattschneidig mit Spanteiler, mittellange Ausführung

HM MG10 λ 45°
γ 5°



Schuppen



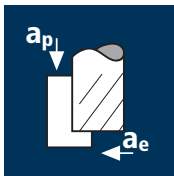
Schichten



Rm < 850	Rm 850-1100	Rm 1100-1300	Rm 1300-1500				Inox Stainless	Ti Titanium	GG(G) Tool Steel Nickel-Alloys
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							POLYCHROM	
Beispiel: Bestell-Nr.				Beschichtung	Artikel-Nr.	ø-Code		P15310
				P	15310	.300		P15210
ø Code	d1 e8	d2 h6	l1	l2	45°	z		
.300	6	6	63	21	0.15	4		●
.391	8	8	72	31	0.15	4		●
.450	10	10	84	37	0.20	4		●
.501	12	12	97	44	0.20	4		●
.610	16	16	108	53	0.20	4		●
.682	20	20	122	62	0.20	4		●

Anwendung



Werkstoff

Stahl
< 850 N/mm²

Stahl
850 - 1100 N/mm²

Kaltarbeitsstahl
(12% Cr)
hoch legiert
[1.2379]

Nichtrostender Stahl
[Cr-Ni/1.4301]

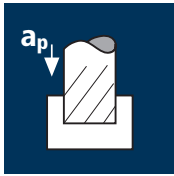
d1 [mm]	z	v _c [m/min]	f _z [mm]	a _p [mm]	a _e [mm]	n [min ⁻¹]	v _f [mm/min]	Q [cm ³ /min]
6	4	180	0.040	10.8	1.2	9550	1530	20.0
8	4	180	0.050	14.4	1.6	7160	1430	33.0
10	4	180	0.065	18.0	2.0	5730	1490	53.5
12	4	180	0.075	21.6	2.4	4775	1435	74.5
16	4	180	0.085	28.8	3.2	3580	1215	112.0
20	4	180	0.105	36.0	4.0	2865	1205	173.5

6	4	150	0.040	10.8	1.2	7960	1275	16.5
8	4	150	0.050	14.4	1.6	5970	1195	27.5
10	4	150	0.065	18.0	2.0	4775	1240	44.5
12	4	150	0.075	21.6	2.4	3980	1195	62.0
16	4	150	0.085	28.8	3.2	2985	1015	93.5
20	4	150	0.105	36.0	4.0	2385	1000	144.0

6	4	70	0.035	10.8	1.2	3715	520	6.5
8	4	70	0.045	14.4	1.6	2785	500	11.5
10	4	70	0.060	18.0	2.0	2230	535	19.5
12	4	70	0.070	21.6	2.4	1855	520	27.0
16	4	70	0.080	28.8	3.2	1395	445	41.0
20	4	70	0.100	36.0	4.0	1115	445	64.0

6	4	85	0.025	10.8	1.2	4510	450	6.0
8	4	85	0.030	14.4	1.6	3380	405	9.5
10	4	85	0.040	18.0	2.0	2705	435	15.5
12	4	85	0.050	21.6	2.4	2255	450	23.5
16	4	85	0.055	28.8	3.2	1690	370	34.0
20	4	85	0.070	36.0	4.0	1355	380	54.5

Anwendung



Werkstoff

Stahl
< 850 N/mm²

Stahl
850 - 1100 N/mm²

Kaltarbeitsstahl
(12% Cr)
hoch legiert
[1.2379]

Nichtrostender Stahl
[Cr-Ni/1.4301]

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]
6	4	145	0.020	8.1	6	7695	615	30.0
8	4	145	0.025	10.8	8	5770	575	49.5
10	4	145	0.035	13.5	10	4615	645	87.0
12	4	145	0.040	16.2	12	3845	615	119.5
16	4	145	0.050	19.2	16	2885	575	176.5
20	4	145	0.060	24.0	20	2310	555	266.5

6	4	120	0.020	8.1	6	6365	510	25.0
8	4	120	0.025	10.8	8	4775	480	41.5
10	4	120	0.035	13.5	10	3820	535	72.0
12	4	120	0.040	16.2	12	3185	510	99.0
16	4	120	0.050	19.2	16	2385	475	146.0
20	4	120	0.060	24.0	20	1910	460	221.0

6	4	55	0.020	8.1	6	2920	235	11.5
8	4	55	0.025	10.8	8	2190	220	19.0
10	4	55	0.030	13.5	10	1750	210	28.5
12	4	55	0.035	16.2	12	1460	205	40.0
16	4	55	0.045	19.2	16	1095	195	60.0
20	4	55	0.055	24.0	20	875	195	93.5

6	4	65	0.015	8.1	6	3450	205	10.0
8	4	65	0.020	10.8	8	2585	205	17.5
10	4	65	0.025	13.5	10	2070	205	27.5
12	4	65	0.030	16.2	12	1725	205	40.0
16	4	65	0.035	19.2	16	1295	180	55.5
20	4	65	0.045	24.0	20	1035	185	89.0