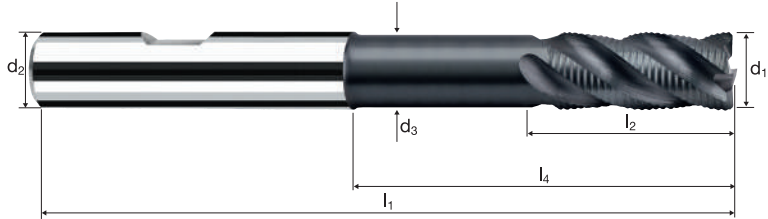
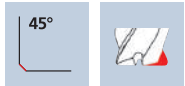


Cylindrical end mills SupraCarb®

Profiled, long version, neck



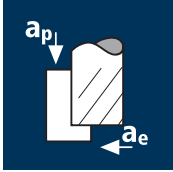
HM
MG10 λ 38°
 γ 0°



Rm < 850	Rm 850-1100	Rm 1100-1300					Inox Stainless	Ti Titanium	GG(G) Tool Steel
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Ø Code	d ₁ e8	d ₂ h6	d ₃	l ₁	l ₂	l ₃	l ₄	45°	z	POLYCHROM	
										Example: Order-N°.	Coating P
300	6.00	6.00	5.50	70	13.00	32.34	33.00	0.35	4		●
391	8.00	8.00	7.40	80	19.00	42.29	43.00	0.45	4		●
450	10.00	10.00	9.20	100	22.00	58.20	59.00	0.60	4		●
501	12.00	12.00	11.00	110	26.00	63.13	64.00	0.60	4		●
610	16.00	16.00	15.00	123	32.00	73.13	74.00	0.70	4		●
682	20.00	20.00	19.00	141	38.00	89.13	90.00	0.70	4		●

Application



Material

Steel
< 850 N/mm²



Steel
850 - 1100 N/mm²



Titanium alloys
> 300 HB
[Ti6Al4V]



Inox normal
[Cr-Ni/1.4301]
[Cr-Ni-Mo/1.4571]



Steel
< 850 N/mm²



Steel
850 - 1100 N/mm²



Titanium alloys
> 300 HB
[Ti6Al4V]



Inox normal
[Cr-Ni/1.4301]
[Cr-Ni-Mo/1.4571]



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]
6.00	4	180	0.030	7.200	1.500	9550	1145	12.4
8.00	4	180	0.040	9.600	2.000	7160	1145	22.0
10.00	4	180	0.055	12.000	2.500	5730	1260	37.8
12.00	4	180	0.065	14.400	3.000	4775	1240	53.6
16.00	4	180	0.070	19.200	4.000	3580	1005	77.0
20.00	4	180	0.075	24.000	5.000	2865	860	103.1

6.00	4	130	0.030	7.200	1.500	6895	830	8.9
8.00	4	130	0.040	9.600	2.000	5175	830	15.9
10.00	4	130	0.055	12.000	2.500	4140	910	27.3
12.00	4	130	0.065	14.400	3.000	3450	895	38.7
16.00	4	130	0.070	19.200	4.000	2585	725	55.6
20.00	4	130	0.075	24.000	5.000	2070	620	74.5

6.00	4	45	0.025	7.200	1.500	2385	240	2.6
8.00	4	45	0.035	9.600	2.000	1790	250	4.8
10.00	4	45	0.045	12.000	2.500	1430	260	7.7
12.00	4	45	0.055	14.400	3.000	1195	265	11.3
16.00	4	45	0.060	19.200	4.000	895	215	16.5
20.00	4	45	0.065	24.000	5.000	715	185	22.3

6.00	4	60	0.025	7.200	1.500	3185	320	3.4
8.00	4	60	0.035	9.600	2.000	2385	335	6.4
10.00	4	60	0.045	12.000	2.500	1910	345	10.3
12.00	4	60	0.055	14.400	3.000	1590	350	15.1
16.00	4	60	0.060	19.200	4.000	1195	285	22.0
20.00	4	60	0.065	24.000	5.000	955	250	29.8

6.00	4	150	0.025	3.000	6.000	7960	795	14.3
8.00	4	150	0.035	4.000	8.000	5970	835	26.7
10.00	4	150	0.045	5.000	10.000	4775	860	43.0
12.00	4	150	0.050	6.000	12.000	3980	795	57.3
16.00	4	150	0.050	8.000	16.000	2985	595	76.4
20.00	4	150	0.055	10.000	20.000	2385	525	105.0

6.00	4	80	0.025	3.000	6.000	4245	425	7.6
8.00	4	80	0.035	4.000	8.000	3185	445	14.3
10.00	4	80	0.045	5.000	10.000	2545	460	22.9
12.00	4	80	0.050	6.000	12.000	2120	425	30.6
16.00	4	80	0.050	8.000	16.000	1590	320	40.7
20.00	4	80	0.055	10.000	20.000	1275	280	56.0

6.00	4	35	0.020	3.000	6.000	1855	150	2.7
8.00	4	35	0.030	4.000	8.000	1395	165	5.3
10.00	4	35	0.035	5.000	10.000	1115	155	7.8
12.00	4	35	0.040	6.000	12.000	930	150	10.7
16.00	4	35	0.040	8.000	16.000	695	110	14.3
20.00	4	35	0.045	10.000	20.000	555	100	20.1

6.00	4	50	0.020	3.000	6.000	2655	210	3.8
8.00	4	50	0.030	4.000	8.000	1990	240	7.6
10.00	4	50	0.035	5.000	10.000	1590	225	11.1
12.00	4	50	0.040	6.000	12.000	1325	210	15.3
16.00	4	50	0.040	8.000	16.000	995	160	20.4
20.00	4	50	0.045	10.000	20.000	795	145	28.6