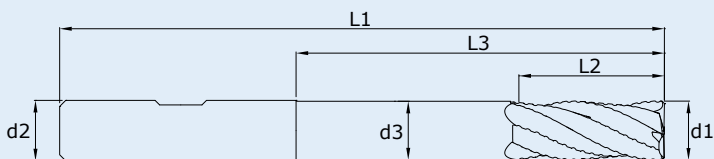


Solid carbide roughing end mills NF
VHM - Schruffräser NF
Fraises d'ébauche NF
Karbür Kaba Talaş Freze NF

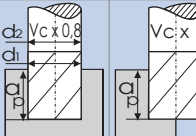


F	S	10NF	G	4	M	24	R	05	N	100
END MILL	MG-10		TOOLEX							
TYPE	QUALITY	DIAMETER	NORM	FLUTES	SHAFT TYPE	FLUTE LENGTH	HELICAL	CHAMFER	COATED	FULL LENGTH

d1(e8)	L2	d3	L3	L1	x45°	d2(h6)	Z	Coated Code	Price (Euro)
6	13	5,7	48	80	0,30	6,00	4	FS06NFG4M13R03N080	
8	19	7,6	54	88	0,40	8,00	4	FS08NFG4M19R04N088	

6	14	5,7	60	100	0,30	6,00	4	FS06NFG4M14R03N100	
8	20	7,6	60	100	0,40	8,00	4	FS08NFG4M20R04N100	
10	24	9,5	60	100	0,50	10,00	4	FS10NFG4M24R05N100	
12	28	11,5	60	100	0,60	12,00	4	FS12NFG4M28R06N100	
14	28	13,5	60	100	0,70	14,00	4	FS14NFG4M28R07N100	
16	34	15,5	60	100	0,80	16,00	4	FS16NFG4M34R08N100	
20	40	19,5	60	104	1,00	20,00	4	FS20NFG4M40R10N104	

10	26	9,5	120	165	0,50	10,00	4	FS10NFG4M26R05N165	
12	30	11,5	120	165	0,60	12,00	4	FS12NFG4M30R06N165	
14	30	13,5	120	165	0,70	14,00	4	FS14NFG4M30R07N165	
16	36	15,5	120	165	0,80	16,00	4	FS16NFG4M36R08N165	
18	36	17,5	120	165	0,90	18,00	4	FS18NFG4M36R09N165	
20	42	19,5	120	165	1,00	20,00	4	FS20NFG4M42R10N165	

			NF 			NF 			HF 			NF 			WF 			WF 			HF 			HF 		
			HRC 20-30			HRC 30-40			INOX			GG			AL			CU			TITAN			< 52 HRC		
			1.0050-2 1.0060-2 1.0070-2			1.5864 1.6580 1.7225			1.4405 1.4460 1.4505			0.6035 0.7080 0.8055			3.2151 3.2373 3.2382			2.1247 2.0580 2.0598			3.7035 3.7055 3.7065			1.3255 1.3265 1.3333		
			Vc=70 m/dk.			Vc=50 m/dk.			Vc=35 m/dk.			Vc=100 m/dk.			Vc=260 m/dk.			Vc=180 m/dk.			Vc=30 m/dk.			Vc=30 m/dk.		
d1	ap	ae	fz	n	Vf	fz	n	Vf	fz	n	Vf	fz	n	Vf	fz	n	Vf	fz	n	Vf	fz	n	Vf	fz	n	Vf
6	3	3	0.070	3715	260xZ	0.070	2654	180xZ	0.055	1858	100xZ	0.038	1858	200xZ	0.087	13800	1200xZ	0.050	9554	480xZ	0.035	1592	55xZ	0.031	1592	50xZ
8	4	4	0.093	2786	260xZ	0.090	1990	180xZ	0.072	1393	100xZ	0.050	1393	200xZ	0.116	10350	1200xZ	0.067	7165	480xZ	0.046	1194	55xZ	0.042	1194	50xZ
10	5	5	0.117	2229	260xZ	0.113	1592	180xZ	0.090	1112	100xZ	0.063	1112	200xZ	0.145	8280	1200xZ	0.084	5732	480xZ	0.058	955	55xZ	0.052	955	50xZ
12	6	6	0.140	1858	260xZ	0.135	1327	180xZ	0.108	929	100xZ	0.075	929	200xZ	0.175	6900	1200xZ	0.100	4777	480xZ	0.069	796	55xZ	0.063	796	50xZ
14	7	7	0.163	1592	260xZ	0.158	1137	180xZ	0.126	796	100xZ	0.088	796	200xZ	0.203	5914	1200xZ	0.117	4095	480xZ	0.081	682	55xZ	0.073	682	50xZ
16	8	8	0.187	1393	260xZ	0.181	995	180xZ	0.143	697	100xZ	0.100	697	200xZ	0.232	5175	1200xZ	0.134	3583	480xZ	0.092	597	55xZ	0.084	597	50xZ
18	9	9	0.210	1238	260xZ	0.200	885	180xZ	0.162	619	100xZ	0.113	619	200xZ	0.261	4600	1200xZ	0.150	3185	480xZ	0.104	530	55xZ	0.094	530	50xZ
20	10	10	0.233	1115	260xZ	0.226	796	180xZ	0.180	557	100xZ	0.125	557	200xZ	0.290	4140	1200xZ	0.167	2866	480xZ	0.115	478	55xZ	0.105	478	50xZ