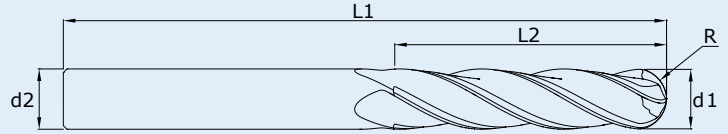


Solid carbide ball nose end mills - Long
VHM - Radiusfräser - Lang
Fraises a rayon carbure - Longue
Karbür Küre Freze - Uzun



F	E	1000	R	4	C	45	A	50	N	100
END MILL	MG-10		TOOLEX							
TYPE	QUALITY	DIAMETER	NORM	FLUTES	SHAFT TYPE	FLUTE LENGTH	HELICAL	RADIUS	COATED	FULL LENGTH

d1(ø8)	L2	L1	d2(h6)	Z	R	Uncoated Code	Price (Euro)	Coated Code	Price (Euro)
3	16	65	3	4	1,5	FE0300R4C16A15B065		FE0300R4C16A15N065	
4	18	65	4	4	2	FE0400R4C18A20B065		FE0400R4C18A20N065	
5	20	65	5	4	2,5	FE0500R4C20A25B065		FE0500R4C20A25N065	
6	24	68	6	4	3	FE0600R4C24A30B068		FE0600R4C24A30N068	
8	38	88	8	4	4	FE0800R4C38A40B088		FE0800R4C38A40N088	

3	20	100	3	4	1,5	FE0300R4C20A15B100		FE0300R4C20A15N100	
4	26	100	4	4	2	FE0400R4C26A20B100		FE0400R4C26A20N100	
5	26	100	5	4	2,5	FE0500R4C26A25B100		FE0500R4C26A25N100	
6	40	100	6	4	3	FE0600R4C40A30B100		FE0600R4C40A30N100	
8	45	100	8	4	4	FE0800R4C45A40B100		FE0800R4C45A40N100	
10	45	100	10	4	5	FE1000R4C45A50B100		FE1000R4C45A50N100	
12	45	100	12	4	6	FE1200R4C45A60B100		FE1200R4C45A60N100	
14	45	100	14	4	7	FE1400R4C45A70B100		FE1400R4C45A70N100	
16	45	100	16	4	8	FE1600R4C45A80B100		FE1600R4C45A80N100	
18	45	100	18	4	9	FE1800R4C45A90B100		FE1800R4C45A90N100	
20	45	104	20	4	10	FE2000R4C45A10B104		FE2000R4C45A10N104	

8	40	130	8	4	4	FE0800R4C40A40B130		FE0800R4C40A40N130	
10	50	130	10	4	5	FE1000R4C50A50B130		FE1000R4C50A50N130	
12	50	130	12	4	6	FE1200R4C50A60B130		FE1200R4C50A60N130	
14	50	130	14	4	7	FE1400R4C50A70B130		FE1400R4C50A70N130	
16	60	130	16	4	8	FE1600R4C60A80B130		FE1600R4C60A80N130	
18	60	130	18	4	9	FE1800R4C60A90B130		FE1800R4C60A90N130	
20	60	130	20	4	10	FE2000R4C60A10B130		FE2000R4C60A10N130	

10	65	165	10	4	5	FE1000R4C65A50B165		FE1000R4C65A50N165	
12	65	165	12	4	6	FE1200R4C65A60B165		FE1200R4C65A60N165	
14	65	165	14	4	7	FE1400R4C65A70B165		FE1400R4C65A70N165	
16	75	165	16	4	8	FE1600R4C75A80B165		FE1600R4C75A80N165	
18	75	165	18	4	9	FE1800R4C75A90B165		FE1800R4C75A90N165	
20	75	165	20	4	10	FE2000R4C75A10B165		FE2000R4C75A10N165	
25	75	165	25	4	12,5	FE2500R4C75A12B165		FE2500R4C75A12N165	

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=100 m/dk.				Vc=80 m/dk.				Vc=55 m/dk.				Vc=120 m/dk.				Vc=300 m/dk.				Vc=190 m/dk.				Vc=45 m/dk.				Vc=45 m/dk.							
d1	de	d1	de	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						
3	3	1,5	1,5	0,017	10616	180xZ	0,018	8492	150xZ	0,021	5838	125xZ	0,051	12738	650xZ	0,039	31846	1240xZ	0,043	20170	875xZ	0,014	4777	65xZ	0,012	4777	55xZ								
4	4	2,0	2,0	0,023	7962	180xZ	0,024	6370	150xZ	0,028	4379	125xZ	0,068	9554	650xZ	0,052	23885	1240xZ	0,058	15127	875xZ	0,018	3582	65xZ	0,015	3582	55xZ								
5	5	2,5	2,5	0,028	6370	180xZ	0,029	5100	150xZ	0,035	3503	125xZ	0,085	7643	650xZ	0,065	19108	1240xZ	0,072	12102	875xZ	0,023	2866	65xZ	0,019	2866	55xZ								
6	6	3,0	3,0	0,034	5308	180xZ	0,035	4250	150xZ	0,043	2919	125xZ	0,102	6369	650xZ	0,078	15923	1240xZ	0,087	10085	875xZ	0,027	2388	65xZ	0,023	2388	55xZ								
8	8	4,0	4,0	0,045	3981	180xZ	0,047	3185	150xZ	0,057	2189	125xZ	0,136	4777	650xZ	0,104	11942	1240xZ	0,116	7564	875xZ	0,036	1791	65xZ	0,031	1791	55xZ								
10	10	5,0	5,0	0,056	3185	180xZ	0,059	2550	150xZ	0,071	1751	125xZ	0,170	3821	650xZ	0,130	9554	1240xZ	0,145	6051	875xZ	0,045	1433	65xZ	0,038	1433	55xZ								
12	12	6,0	6,0	0,068	2654	180xZ	0,071	2123	150xZ	0,086	1460	125xZ	0,204	3185	650xZ	0,156	7962	1240xZ	0,174	5042	875xZ	0,054	1194	65xZ	0,046	1194	55xZ								
14	14	7,0	7,0	0,079	2275	180xZ	0,082	1820	150xZ	0,100	1251	125xZ	0,238	2730	650xZ	0,182	6824	1240xZ	0,202	4322	875xZ	0,063	1024	65xZ	0,054	1024	55xZ								
16	16	8,0	8,0	0,090	1990	180xZ	0,094	1592	150xZ	0,114	1095	125xZ	0,272	2388	650xZ	0,208	5971	1240xZ	0,231	3782	875xZ	0,073	896	65xZ	0,061	896	55xZ								
18	18	9,0	9,0	0,102	1760	180xZ	0,106	1415	150xZ	0,128	973	125xZ	0,306	2123	650xZ	0,234	5308	1240xZ	0,260	3362	875xZ	0,082	796	65xZ	0,069	796	55xZ								
20	20	10,0	10,0	0,113	1592	180xZ	0,117	1275	150xZ	0,143	875	125xZ	0,340	1910	650xZ	0,260	4777	1240xZ	0,290	3025	875xZ	0,090	716	65xZ	0,077	716	55xZ								
25	25	12,5	12,5	0,141	1274	180xZ	0,147	1020	150xZ	0,179	700	125xZ	0,425	1528	650xZ	0,324	3822	1240xZ	0,362	2420	875xZ	0,113	573	65xZ	0,100	573	55xZ								