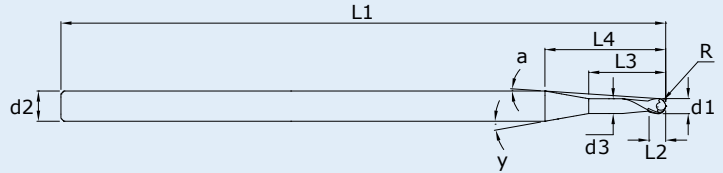
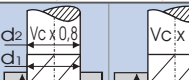


Solid carbide ball nose end mills - Mini Long
VHM - Radiusfräser - Mini Lang
Fraises a rayon carbure - Mini Longue
Karbür Küre Freze - Mini Uzun



F	E	0100	R	2	N	80	A	50	N	020
END MILL	MG-10		DIN 6928						nAco Multilayer	
TYPE	QUALITY	DIAMETER	BALL NOSE	FLUTES	SHAFT TYPE	FULL LENGTH	HELICAL	RADIUS	COATED	FLUTE LENGTH

d1 (+0.003/-0.005)	L2	L3	L4	d3	L1	d2(h6)	Z	y°	a°	R	Coated Code	Price (Euro)
0.2	0.3	0.4	15.98	0.19	80	4	2	7.00°	6.78°	0.10	FE0020R2N80A10N004	
0.2	0.3	0.8	16.38	0.19	80	4	2	7.00°	6.62°	0.10	FE0020R2N80A10N008	
0.2	0.3	1.2	12.08	0.19	80	4	2	10.00°	8.94°	0.10	FE0020R2N80A10N012	
0.2	0.3	2.0	12.88	0.19	80	4	2	10.00°	8.39°	0.10	FE0020R2N80A10N020	
0.3	0.5	0.6	15.85	0.29	80	4	2	7.00°	6.66°	0.15	FE0030R2N80A15N006	
0.3	0.5	1.2	11.85	0.29	80	4	2	10.00°	8.88°	0.15	FE0030R2N80A15N012	
0.3	0.5	2.4	13.05	0.29	80	4	2	10.00°	8.70°	0.15	FE0030R2N80A15N024	
0.3	0.5	3.0	13.65	0.29	80	4	2	10.00°	7.72°	0.15	FE0030R2N80A15N030	
0.4	0.6	0.8	15.66	0.38	80	4	2	7.00°	6.55°	0.20	FE0040R2N80A20N008	
0.4	0.6	1.6	12.01	0.38	80	4	2	10.00°	8.52°	0.20	FE0040R2N80A20N016	
0.4	0.6	3.2	13.61	0.38	80	4	2	10.00°	7.53°	0.20	FE0040R2N80A20N032	
0.4	0.6	4.0	14.41	0.38	80	4	2	10.00°	6.92°	0.20	FE0040R2N80A20N040	
0.5	0.8	1.0	15.55	0.48	80	4	2	7.00°	6.42°	0.25	FE0050R2N80A25N010	
0.5	0.8	2.0	12.18	0.48	80	4	2	10.00°	8.17°	0.25	FE0050R2N80A25N020	
0.5	0.8	4.0	14.18	0.48	80	4	2	10.00°	7.03°	0.25	FE0050R2N80A25N040	
0.5	0.8	6.0	16.18	0.48	80	4	2	10.00°	6.17°	0.25	FE0050R2N80A25N060	
0.6	0.9	1.2	15.35	0.57	80	4	2	10.00°	6.32°	0.30	FE0060R2N80A30N012	
0.6	0.9	2.0	11.95	0.57	80	4	2	10.00°	8.09°	0.30	FE0060R2N80A30N020	
0.6	0.9	4.0	13.95	0.57	80	4	2	10.00°	6.94°	0.30	FE0060R2N80A30N040	
0.6	0.9	8.0	17.95	0.57	80	4	2	10.00°	5.41°	0.30	FE0060R2N80A30N080	
0.7	1.1	1.4	15.18	0.67	80	4	2	7.00°	6.20°	0.35	FE0070R2N80A35N014	
0.7	1.1	2.5	12.21	0.67	80	4	2	10.00°	7.69°	0.35	FE0070R2N80A35N025	
0.7	1.1	5.0	14.71	0.67	80	4	2	10.00°	6.40°	0.35	FE0070R2N80A35N050	
0.7	1.1	8.0	17.71	0.67	80	4	2	10.00°	5.32°	0.35	FE0070R2N80A35N080	
0.8	1.2	1.6	11.10	0.76	80	4	2	10.00°	8.20°	0.40	FE0080R2N80A40N016	
0.8	1.2	3.0	12.50	0.76	80	4	2	10.00°	7.29°	0.40	FE0080R2N80A40N030	
0.8	1.2	6.0	15.50	0.76	80	4	2	10.00°	5.89°	0.40	FE0080R2N80A40N060	
0.8	1.2	10.0	19.50	0.76	80	4	2	10.00°	4.69°	0.40	FE0080R2N80A40N100	
1.0	1.5	2.0	11.01	0.95	80	4	2	10.00°	7.75°	0.50	FE0100R2N80A50N020	
1.0	1.5	4.0	13.01	0.95	80	4	2	10.00°	6.57°	0.50	FE0100R2N80A50N040	
1.0	1.5	8.0	17.01	0.95	80	4	2	10.00°	5.03°	0.50	FE0100R2N80A50N080	
1.0	1.5	12.0	21.01	0.95	80	4	2	10.00°	4.08°	0.50	FE0100R2N80A50N120	
1.0	1.5	16.0	25.01	0.95	80	4	2	10.00°	3.43°	0.50	FE0100R2N80A50N160	
1.0	1.5	20.0	29.01	0.95	80	4	2	10.00°	2.96°	0.50	FE0100R2N80A50N200	
1.2	1.8	2.0	10.54	1.14	80	4	2	10.00°	7.56°	0.60	FE0120R2N80A60N020	
1.2	1.8	4.0	12.54	1.14	80	4	2	10.00°	6.37°	0.60	FE0120R2N80A60N040	
1.5	2.3	4.0	11.85	1.43	80	4	2	10.00°	6.02°	0.75	FE0150R2N80A75N040	
1.5	2.3	8.0	15.85	1.43	80	4	2	10.00°	4.50°	0.75	FE0150R2N80A75N080	
1.5	2.3	12.0	19.85	1.43	80	4	2	10.00°	3.60°	0.75	FE0150R2N80A75N120	
1.5	2.3	20.0	27.85	1.43	80	4	2	10.00°	2.57°	0.75	FE0150R2N80A75N200	
2.0	3.0	4.0	10.68	1.90	80	4	2	10.00°	5.35°	1.00	FE0200R2N80A10N040	
2.0	3.0	8.0	14.68	1.90	80	4	2	10.00°	3.09°	1.00	FE0200R2N80A10N080	
2.0	3.0	12.0	18.68	1.90	80	4	2	10.00°	3.06°	1.00	FE0200R2N80A10N120	
2.0	3.0	16.0	22.68	1.90	80	4	2	10.00°	2.52°	1.00	FE0200R2N80A10N160	
2.0	3.0	20.0	26.68	1.90	80	4	2	10.00°	2.14°	1.00	FE0200R2N80A10N200	
2.5	3.8	5.00	10.51	2.38	80	4	2	10.00°	4.08°	1.25	FE0250R2N80A13N050	
2.5	3.8	8.00	13.51	2.38	80	4	2	10.00°	3.17°	1.25	FE0250R2N80A13N080	
2.5	3.8	12.00	17.51	2.38	80	4	2	10.00°	2.45°	1.25	FE0250R2N80A13N120	
2.5	3.8	16.00	21.51	2.38	80	4	2	10.00°	1.99°	1.25	FE0250R2N80A13N160	
2.5	3.8	20.00	25.51	2.38	80	4	2	10.00°	1.68°	1.25	FE0250R2N80A13N200	
3.0	4.5	6.00	10.34	2.85	80	4	2	10.00°	2.76°	1.50	FE0300R2N80A15N060	
3.0	4.5	8.00	12.34	2.85	80	4	2	10.00°	2.32°	1.50	FE0300R2N80A15N080	
3.0	4.5	12.00	16.34	2.85	80	4	2	10.00°	1.75°	1.50	FE0300R2N80A15N120	
3.0	4.5	16.00	20.34	2.85	80	4	2	10.00°	1.40°	1.50	FE0300R2N80A15N160	
3.0	4.5	20.00	24.34	2.85	80	4	2	10.00°	1.17°	1.50	FE0300R2N80A15N200	

				HRC 20-30			HRC 30-40			INOX			GG			AL			CU			TITAN			< 52 HRC										
1.0050-2			1.0060-2			1.0070-2			1.0050-2			1.0060-2			1.0070-2			1.0050-2			1.0060-2			1.0070-2			1.0050-2			1.0060-2			1.0070-2		
1.0050-2			1.0060-2			1.0070-2			1.0050-2			1.0060-2			1.0070-2			1.0050-2			1.0060-2			1.0070-2			1.0050-2			1.0060-2			1.0070-2		
1.0050-2			1.0060-2			1.0070-2			1.0050-2			1.0060-2			1.0070-2			1.0050-2			1.0060-2			1.0070-2			1.0050-2			1.0060-2			1.0070-2		
1.0050-2			1.0060-2			1.0070-2			1.0050-2			1.0060-2			1.0070-2			1.0050-2			1.0060-2			1.0070-2			1.0050-2			1.0060-2			1.0070-2		
1.0050-2			1.0060-2			1.0070-2			1.0050-2			1.0060-2			1.0070-2			1.0050-2			1.0060-2			1.0070-2			1.0050-2			1.0060-2			1.0070-2		
1.0050-2			1.0060-2			1.0070-2			1.0050-2			1.0060-2			1.0070-2			1.0050-2			1.0060-2			1.0070-2			1.0050-2			1.0060-2			1.0070-2		
1.0050-2			1.0060-2			1.0070-2			1.0050-2			1.0060-2			1.0070-2			1.0050-2			1.0060-2			1.0070-2			1.0050-2			1.0060-2			1.0070-2		
1.0050-2			1.0060-2			1.0070-2			1.0050-2			1.0060-2			1.0070-2			1.0050-2			1.0060-2			1.0070-2			1.0050-2			1.0060-2			1.0070-2		
1.0050-2			1.0060-2			1.0070-2			1.0050-2			1.0060-2			1.0070-2			1.0050-2			1.0060-2			1.0070-2			1.0050-2			1.0060-2			1.0070-2		
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1.0050-2			1.0060-2			1.0070-2			1.0050-2			1.0060-2			1.0070-2			1.0050-2			1.0060-2			1.0070-2			1.0050-2			1.0060-2			1.0070-2		
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1.0050-2			1.0060-2			1.0070-2			1.0050-2			1.0060-2			1.0070-2			1.0050-2			1.0060-2			1.0070-2			1.0050-2			1.0060-2			1.0070-2		
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1.0050-2			1.0060-2			1.0070-2			1.0050-2			1.0060-2			1.0070-2			1.0050-2			1.0060-2			1.0070-2			1.0050-2			1.0060-2			1.0070-2		
1.0050-2			1.0060-2			1.0070-2			1.0050-2			1.0060-2			1.0070-2			1.0050-2			1.0060-2			1.0070-2			1.0050-2			1.0060-2			1.0070-2		
1.0050-2			1.0060-2			1.0070-2			1.0050-2			1.0060-2			1.0070-2			1.0050-2			1.0060-2			1.0070-2			1.0050-2			1.0060-2			1.0070-2		
1.0050-2			1.0060-2			1.0070-2			1.0050-2			1.0060-2			1.0070-2			1.0050-2			1.0060-2			1.0070-2			1.0050-2			1.0060-2			1.0070-2		
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1.0050-2			1.0060-2			1.0070-2			1.0050-2			1.0060-2			1.0070-2			1.0050-2			1.0060-2			1.0070-2			1.0050-2			1.0060-2			1.0070-2		
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1.0050-2			1.0060-2			1.0070-2			1.0050-2			1.0060-2			1.0070-2			1.0050-2			1.0060-2			1.0070-2			1.0050-2			1.0060-2			1.0070-2		
1.0050-2			1.0060-2			1.0070-2			1.0050-2			1.0060-2			1.0070-2			1.0050-2			1.0060-2			1.0070-2			1.0050-2			1.0060-2			1.0070-2		
1.0050-2			1.0060-2			1.0070-2			1.0050-2			1.0060-2			1.0070-2			1.0050-2			1.0060-2			1.0070-2			1.0050-2			1.0060-2			1.0070-2		
1.0050-2			1.0060-2			1.0070-2			1.0050-2			1.0060-2			1.0070-2			1.0050-2			1.0060-2			1.0070-2			1.0050-2			1.0060-2			1.0070-2		
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