

BALL END MILLS

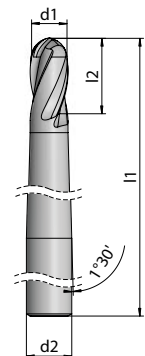
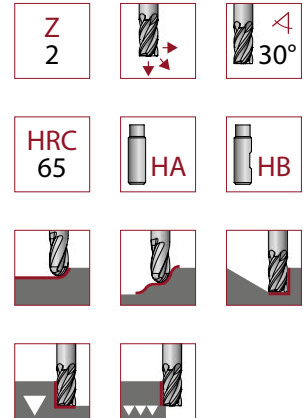
K 1110

Short version Neck angle 1°30'					
Article no.	d1	d2	l1	l2	Euro
11100401	4	6	85	6	67,00
11100502	5	6	85	8	67,00
11100600	6	8	98	9	75,00
11100802	8	10	110	12	91,00
11101001	10	12	110	15	114,00

Medium version Neck angle 1°30'					
Article no.	d1	d2	l1	l2	Euro
11100500	5	6	98	8	67,00
11100601	6	8	118	9	79,00
11100800	8	10	138	12	92,00

Long version Neck angle 1°30'					
Article no.	d1	d2	l1	l2	Euro
11100400	4	6	98	6	68,00
11100501	5	6	118	8	71,00
11100602	6	8	138	9	85,00
11100801	8	10	152	12	102,00
11101000	10	12	152	15	116,00

ExtraLong version Neck angle 1°30'					
Article no.	d1	d2	l1	l2	Euro
11100603	6	8	152	9	90,00



For Weldon add abbreviation HB.
Example 11100401 becomes 11100401HB

Ball track milling	$a_p \times a_e = 0.3d \times 0.3d$
Copy milling	$a_p \times a_e = 0.65d \times 1d$



Cutting data for short version		Ball track	Copy
Material	N/mm ²	v _c m/min	
P Gen. structural/ case hard. steels 1.0037 1.0570 1.0503 1.7131 Tool/ tempering steels 1.2367 1.2379 1.7225 Alloyed/ cold work steels 1.2312 1.2767 1.3505 1.7707	< 800	150	120
	< 1100	110	90
	< 1400	90	80
K Cast iron GG25 GG40 GGG40 Spherical cast iron GGG50 GGG60 GGG70	< 450	100-180	100-160
	< 650	100-130	80-130
H Hardened steel HRC 45–50 Hardened steel HRC 51–58 Hardened steel HRC 59–65	–	130	130
	–	100	100
	–	60	60

	Ball track	Copy
d1	fz mm	
4	0.060	0.025
5	0.065	0.035
6	0.070	0.040
8	0.080	0.045
10	0.085	0.050