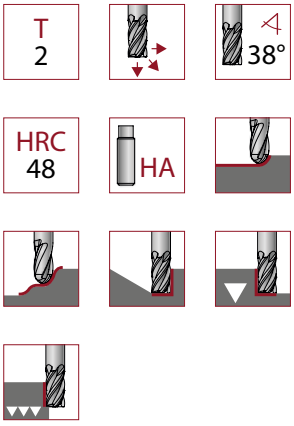
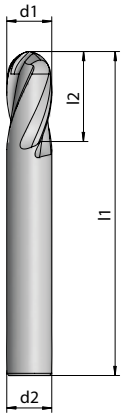
BALL END MILLS
POWERLINE | K 1010

BOGERBENZ

Short version				
Article no.	d1	d2	l1	l2
10100300	3	6	57	7
10100400	4	6	57	8
10100500	5	6	57	10
10100600	6	6	57	10
10100800	8	8	63	16
10101000	10	10	72	19
10101200	12	12	83	22
10101600	16	16	92	30
10101800	18	18	104	34
10102000	20	20	104	38

Long version				
Article no.	d1	d2	l1	l2
10100301	3	3	80	7
10100401	4	4	80	8
10100501	5	5	80	10
10100601	6	6	100	10
10100801	8	8	100	16
10101001	10	10	100	19
10101201	12	12	120	22





Ball track milling	a_p x a_e = 0,1d x 0,3d
Copy milling	a_p x a_e = 0,65d x 1d

Cutting data for short version			Ball track	Copy
Material		N/mm²	v_c m/min	
P	Gen. structural/ case hard. steels 1.0037 | 1.0570 | 1.0503 | 1.7131	< 800	170	120
	Tool/ tempering steels 1.2367 | 1.2379 | 1.7225	< 1100	130	90
	Alloyed/ cold work steels 1.2312 | 1.2767 | 1.3505 | 1.7707	< 1400	90	80
N	Copper/ brass/ bronze 2.0321 | 2.1030	–	230	150
	Medium hard/ soft plastics	–	200–300	180–250

	Ball track	Copy
d1	fz mm	
3	0,030	0,020
4	0,040	0,025
5	0,050	0,035
6	0,060	0,040
8	0,080	0,045
10	0,080	0,050
12	0,100	0,070
14	0,100	0,070
16	0,100	0,070
18	0,100	0,070
20	0,100	0,070