SHANK END MILLS

HPC ROUGHING END MILLS | S 1230

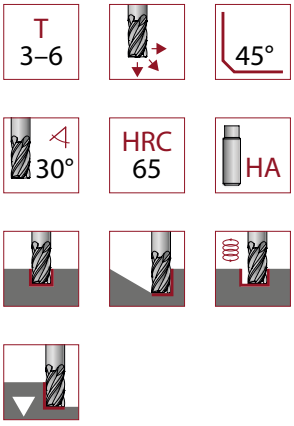
BOGERBENZ

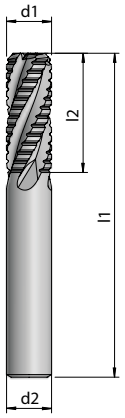
Short version | Number of teeth 3				
Article no.	d1	d2	l1	l2
12300600	6	6	57	14
12300800	8	8	63	16

Short version | Number of teeth 4				
Article no.	d1	d2	l1	l2
12301000	10	10	72	24

Short version | Number of teeth 5				
Article no.	d1	d2	l1	l2
12301200	12	12	80	30
12301400	14	14	83	32
12301600	16	16	105	32
12301800	18	18	108	36

Short version | Number of teeth 6				
Article no.	d1	d2	l1	l2
12302000	20	20	109	40





Shoulder milling	a_p x a_e = 1d x 0,4d
Slot milling	a_p x a_e = 0,65d x 1d

Cutting data for short version			Shoulder	Slot
Material		N/mm²	v_c m/min	
P	Gen. structural/ case hard. steels 1.0037 | 1.0570 | 1.0503 | 1.7131	< 1100	130	90
	Tool/ tempering steels 1.2367 | 1.2379 | 1.7225	< 1400	80	–
	Alloyed/ cold work steels 1.2312 | 1.2767 | 1.3505 | 1.7707	–	130–170	110–140
M	Stainless steels 1.4301 | 1.4305 | 1.4034	< 750	120–140	80–130
	Stainless steels 1.4435 | 1.4571	< 850	80–120	60–90
S	Titanium alloys 3.7164 | 3.7165	–	50	40
	Nickel alloys Inconel 713	–	50	40
H	Hardened steel HRC 45–50	–	250	–
	Hardened steel HRC 51–58	–	210	–
	Hardened steel HRC 59–65	–	170	–

	Shoulder	Slot
d1	fz mm	
6	0,050	0,035
8	0,060	0,040
10	0,080	0,055
12	0,090	0,065
14	0,100	0,080
16	0,120	0,090
18	0,140	0,100
20	0,150	0,110