

# SHANK END MILLS CORD TOOTHED

## ROUGHING/FINISHING END MILLS | S 1230

Short version   Number of teeth 3						
Article no.	d1	d2	l1	l2	l3	Euro
12300600	6	6	57	6	14	36,00
12300800	8	8	63	8	16	44,00

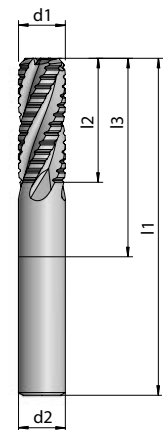
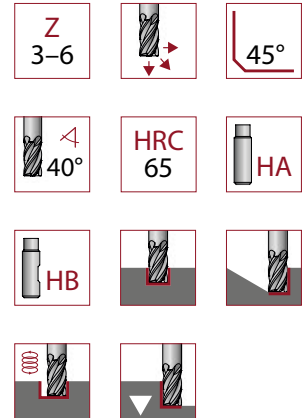
Short version   Number of teeth 4						
Article no.	d1	d2	l1	l2	l3	Euro
12301000	10	10	72	10	24	56,00

Short version   Number of teeth 5						
Article no.	d1	d2	l1	l2	l3	Euro
12301200	12	12	80	12	30	84,00
12301400	14	14	83	14	32	118,00
12301600	16	16	105	16	32	146,00
12301800	18	18	108	18	36	184,00

Short version   Number of teeth 6						
Article no.	d1	d2	l1	l2	l3	Euro
12302000	20	20	109	20	40	209,00

For Weldon add abbreviation HB.

Example 12300600 becomes 12300600HB



Shoulder milling	$a_p \times a_e = 1d \times 0.4d$
Slot milling	$a_p \times a_e = 0.65d \times 1d$



Cutting data for short version		Shoulder	Slot
Material	N/mm <sup>2</sup>	v <sub>c</sub> m/min	
<b>P</b> Tool/ tempering steels 1.2367   1.2379   1.7225 Alloyed/ cold work steels 1.2312   1.2767   1.3505   1.7707 Stahlguss 1.0619   1.0446	< 1100	130	90
	< 1400	80	-
	-	130-170	110-140
<b>M</b> Stainless steels 1.4301   1.4305   1.4034 Stainless steels 1.4435   1.4571	< 750	70-100	50-85
	< 850	70-100	50-85
<b>S</b> Titanium alloys 3.7164   3.7165 Nickel alloys Inconel 713	-	50	35
	-	50	35
<b>H</b> Hardened steel HRC 45-50 Hardened steel HRC 51-58 Hardened steel HRC 59-65	-	150	-
	-	120	-
	-	80	-

	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