


Milling | Endmills | Cutting conditions

Slotting

		E24 • XC48 Fonte GG25 490 ~ 750 MPA Low carbon steel, cast iron			35NCD16 • 40CMD8 750 ~ 1100 MPA Alloy steel, tool steel			316 • 304 800 MPA Stainless steel			Z38CDV5 • Z40CDV5 38 ~ 45 HRC Treated & pre-treated steel		
		53 m/min			45 m/min			25 m/min			40 m/min		
Nr. flutes	Ø	S (min ⁻¹)	F (mm/min)	AZ (mm)	S (min ⁻¹)	F (mm/min)	AZ (mm)	S (min ⁻¹)	F (mm/min)	AZ (mm)	S (min ⁻¹)	F (mm/min)	AZ (mm)
3	8	2.109	633	0,1	1.790	537	0,1	995	298	0,1	1.592	477	0,1
3	10	1.687	506	0,1	1.432	430	0,1	796	239	0,1	1.273	382	0,1
3	12	1.406	506	0,12	1.194	430	0,12	663	239	0,12	1.061	382	0,12
3	16	1.054	380	0,12	895	322	0,12	497	179	0,12	796	286	0,12
3	20	844	329	0,13	716	279	0,13	398	155	0,13	560	218	0,13
4	25	400	208	0,13	420	218	0,13	220	114	0,13	400	192	0,12

These parameters are for use with cutting-depth of 0,8 D and a cutting-width of 1 D.
For the end mill dia 25 mm 4 flutes, the cutting depth may not exceed 0.5D.