

EPL-HP-5FL					SLOTTING											
		Steels St-52 • C45 • GG-25			Hardened steels ~35 HRC 42CrMo4			Hardened steels ~45 HRC 1.2379			Stainless steel 1.4301			Titanium Ti6AlV4		
Vc		120 m/min			120 m/min			70 m/min			60 m/min			50 m/min		
Ø	Z	S (min <sup>-1</sup> )	F (mm/min)	fz (mm)	S (min <sup>-1</sup> )	F (mm/min)	fz (mm)	S (min <sup>-1</sup> )	F (mm/min)	fz (mm)	S (min <sup>-1</sup> )	F (mm/min)	fz (mm)	S (min <sup>-1</sup> )	F (mm/min)	fz (mm)
6	5	6.369	1.433	0,045	6.369	1.433	0,045	3.715	836	0,045	3.185	650	0,035	2.654	464	0,035
8	5	4.775	1.432	0,060	4.775	1.432	0,060	2.785	836	0,060	2.387	477	0,040	1.989	398	0,040
10	5	3.820	1.432	0,075	3.820	1.432	0,075	2.228	836	0,075	1.910	477	0,050	1.592	398	0,050
12	5	3.183	1.432	0,090	3.183	1.432	0,090	1.857	836	0,090	1.592	477	0,060	1.326	398	0,060
16	5	2.387	1.432	0,120	2.387	1.432	0,120	1.393	836	0,120	1.194	477	0,080	995	398	0,080
20	5	1.910	1.432	0,150	1.910	1.432	0,150	1.114	836	0,150	955	477	0,100	796	398	0,100

  

ap x d F(fz) correction		ap	Fakt.
		<b>0,5</b>	<b>1,0</b>
		1,0	0,7
		1,5	0,5
		2,0	0,3

The above stated application data are as per **RED** marked parameters.

EPL-HP-5FL					SIDE MILLING											
		Steels St-52 • C45 • GG-25			Hardened steels ~35 HRC 42CrMo4			Hardened steels ~45 HRC 1.2379			Stainless steel 1.4301			Titanium Ti6AlV4		
Vc		140 m/min			140 m/min			80 m/min			70 m/min			60 m/min		
Ø	Z	S (min <sup>-1</sup> )	F (mm/min)	fz (mm)	S (min <sup>-1</sup> )	F (mm/min)	fz (mm)	S (min <sup>-1</sup> )	F (mm/min)	fz (mm)	S (min <sup>-1</sup> )	F (mm/min)	fz (mm)	S (min <sup>-1</sup> )	F (mm/min)	fz (mm)
6	5	7.431	4.459	0,120	7.431	4.459	0,120	4.246	2.548	0,120	3.715	1.274	0,060	3.185	955	0,060
8	5	5.570	4.456	0,160	5.570	4.456	0,160	3.183	2.546	0,160	2.785	1.114	0,080	2.387	955	0,080
10	5	4.456	4.456	0,200	4.456	4.456	0,200	2.546	2.546	0,200	2.228	1.114	0,100	1.910	955	0,100
12	5	3.714	4.456	0,240	3.714	4.456	0,240	2.122	2.546	0,240	1.857	1.114	0,120	1.592	955	0,120
16	5	2.785	4.456	0,320	2.785	4.456	0,320	1.592	2.546	0,320	1.393	1.114	0,160	1.194	955	0,160
20	5	2.228	4.456	0,400	2.228	4.456	0,400	1.273	2.546	0,400	1.114	1.114	0,200	955	955	0,200

  

ap x d F(fz) correction		ap	Fakt.
		0,5	1,3
		1	1,2
		<b>1,5</b>	<b>1,0</b>
		2	0,8

ap x d F(fz) correction		ap	Fakt.
		0,5	1,2
		<b>1,0</b>	<b>1,0</b>
		1,5	0,7
		2,0	0,5

The above stated application data are as per **RED** marked parameters.