



Recommended Starting Speeds [m/min]*

Material Group		WP25PM			WP40PM			WS40PM			WU10PM		
P	1	395	340	325	355	310	295	-	-	-	-	-	-
	2	330	290	240	300	260	215	-	-	-	-	-	-
	3	305	260	210	275	235	190	-	-	-	-	-	-
	4	270	220	180	245	205	160	-	-	-	-	-	-
	5	220	205	180	205	185	160	205	175	145	-	-	-
	6	200	150	120	180	140	110	180	130	95	-	-	-
M	1	245	215	200	235	205	185	250	205	170	-	-	-
	2	220	190	155	210	180	150	215	175	145	-	-	-
	3	170	145	115	155	140	110	175	130	100	-	-	-
K	1	275	245	220	-	-	-	-	-	-	355	320	290
	2	215	190	180	-	-	-	-	-	-	275	245	230
	3	180	160	145	-	-	-	-	-	-	235	210	190
S	1	50	40	30	50	40	35	50	40	30	-	-	-
	2	50	40	30	50	40	35	50	40	30	-	-	-
	3	60	50	30	60	50	35	60	50	30	-	-	-
	4	85	60	40	80	60	40	70	60	35	-	-	-
H	1	145	110	85	-	-	-	-	-	-	190	155	110

NOTE: FIRST choice starting speeds are in **bold** type. As the average chip thickness increases, the speed should be decreased.
 *Material groups P, M, K, and H show recommended starting speeds for dry machining. For wet machining, reduce speed by 20%.
 *Material groups N and S show recommended starting speeds for wet machining. Not recommended for dry machining.

Recommended Starting Feeds [mm]

Light Machining	General Purpose	Heavy Machining
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At 0,60 Axial Depth of Cut (AP1)

Insert Geometry	Recommended Starting Feed per Tooth (Fz) in Relation to % of Radial Engagement (ae)															Insert Geometry
	5%			10%			20%			30%			40-100%			
.E..MM	0,46	1,32	2,43	0,32	0,89	1,53	0,24	0,65	1,09	0,21	0,56	0,94	0,19	0,52	0,85	.E..MM
.S..MH	0,84	1,84	3,12	0,59	1,21	1,85	0,43	0,87	1,30	0,38	0,75	1,12	0,34	0,69	1,02	.S..MH

At 0,90 Axial Depth of Cut (AP1)

Insert Geometry	Recommended Starting Feed per Tooth (Fz) in Relation to % of Radial Engagement (ae)															Insert Geometry
	5%			10%			20%			30%			40-100%			
.E..MM	0,42	1,21	2,20	0,30	0,83	1,41	0,22	0,60	1,01	0,19	0,52	0,87	0,18	0,48	0,79	.E..MM
.S..MH	0,78	1,68	2,79	0,55	1,12	1,71	0,40	0,81	1,21	0,35	0,70	1,04	0,32	0,64	0,94	.S..MH

At 0,70 Axial Depth of Cut (AP1)

Insert Geometry	Recommended Starting Feed per Tooth (Fz) in Relation to % of Radial Engagement (ae)															Insert Geometry
	5%			10%			20%			30%			40-100%			
.E..MM	0,37	1,06	1,89	0,27	0,73	1,24	0,20	0,53	0,89	0,17	0,46	0,77	0,16	0,42	0,70	.E..MM
.S..MH	0,68	1,46	2,35	0,48	0,98	1,49	0,36	0,71	1,07	0,31	0,62	0,92	0,28	0,56	0,84	.S..MH

NOTE: Use "Light Machining" values as starting feed rate.