

Application Data • Series 5V0S 5V0T • VariMill II™

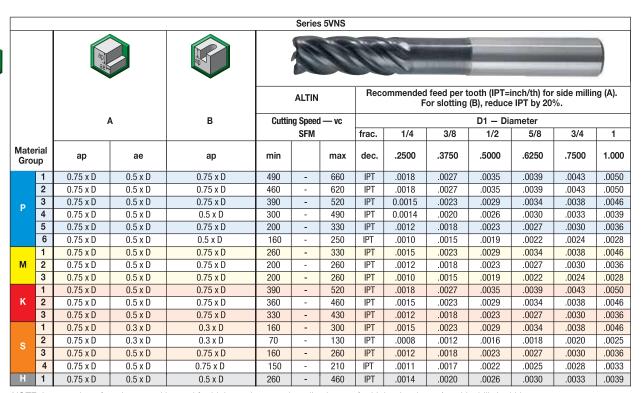
Series 5V0S																		
		ap)																
		А		В	ALTIN			Recommended feed per tooth (IPT=inch/th) for side milling (A). For slotting (B), reduce IPT by 20%.										
					Cutting Speed — vc SFM		D1 - Diameter											
Material Group		ар	ae	ap	min	SFINI	max	dec.	.1880	.2500	.3130	.3750	.4380	.5000	.6250	.7500	1.000	
	1	1.25 x D	0.5 x D	1 x D	490	-	660	IPT	.0014	.0018	.0023	.0027	.0031	.0035	.0039	.0043	.0050	
	2	1.25 x D	0.5 x D	1 x D	460	-	620	IPT	.0014	.0018	.0023	.0027	.0031	.0035	.0039	.0043	.0050	
P	3	1.25 x D	0.5 x D	1 x D	390	-	520	IPT	.0011	.0015	.0020	.0023	.0026	.0029	.0034	.0038	.0046	
F	4	1.25 x D	0.5 x D	0.75 x D	300	-	490	IPT	.0010	.0014	.0018	.0020	.0023	.0026	.0030	.0033	.0039	
	5	1.25 x D	0.5 x D	1 x D	200	_	330	IPT	.0009	.0012	.0016	.0018	.0021	.0023	.0027	.0030	.0036	
	6	1.25 x D	0.5 x D	0.75 x D	160	_	250	IPT	.0008	.0010	.0013	.0015	.0017	.0019	.0022	.0024	.0028	
	1	1.25 x D	0.5 x D	1 x D	260	_	330	IPT	.0011	.0015	.0020	.0023	.0026	.0029	.0034	.0038	.0046	
М	2	1.25 x D	0.5 x D	1 x D	200	_	260	IPT	.0009	.0012	.0016	.0018	.0021	.0023	.0027	.0030	.0036	
	3	1.25 x D	0.5 x D	1 x D	200	_	260	IPT	.0008	.0010	.0013	.0015	.0017	.0019	.0022	.0024	.0028	
	1	1.25 x D	0.5 x D	1 x D	390	_	520	IPT	.0014	.0018	.0023	.0027	.0031	.0035	.0039	.0043	.0050	
K	2	1.25 x D	0.5 x D	1 x D	360	_	460	IPT	.0011	.0015	.0020	.0023	.0026	.0029	.0034	.0038	.0046	
ш	3	1.25 x D	0.5 x D	1 x D	330	_	430	IPT	.0009	.0012	.0016	.0018	.0021	.0023	.0027	.0030	.0036	
	1	1.0 x D	0.3 x D	0.3 x D	160	_	300	IPT	.0011	.0015	.0020	.0023	.0026	.0029	.0034	.0038	.0046	
s	2	1.0 x D	0.3 x D	0.3 x D	70	_	130	IPT	.0006	.0008	.0010	.0012	.0014	.0016	.0018	.0020	.0025	
	3	1.25 x D	0.5 x D	1 x D	160	_	260	IPT	.0009	.0012	.0016	.0018	.0021	.0023	.0027	.0030	.0036	
	4	1.25 x D	0.5 x D	1 x D	150	_	210	IPT	.0008	.0011	.0014	.0017	.0019	.0022	.0025	.0028	.0033	
ii	1	1.25 x D	0.5 x D	0.75 x D	260	_	460	IPT	.0010	.0014	.0018	.0020	.0023	.0026	.0030	.0033	.0039	

NOTE: Lower value of cutting speed is used for high-stock removal applications or for higher hardness (machinability) within group. Higher value of cutting speed is used for finishing applications or for lower hardness (machinability) within group. Above parameters are based on ideal conditions. For smaller taper machining centers, please adjust parameters accordingly on >1/2" diameter.

	Series 5V0T																
		and a second															
		A		В	ALTIN			Recommended feed per tooth (IPT=inch/th) for side milling (A). For slotting (B), reduce IPT by 20%.									
					Cutting Speed — vc SFM		frac.	1/4	5/16	3/8	7/16	iameter 1/2	5/8	3/4	1		
Material Group		ар	ae	ар	min		max	dec.	.2500	.3130	.3750	.4380	.5000	.6250	.7500	1.000	
	1	1.25 x D	0.5 x D	1 x D	490	-	660	IPT	.0018	.0023	.0027	.0031	.0035	.0039	.0043	.0050	
	2	1.25 x D	0.5 x D	1 x D	460	-	620	IPT	.0018	.0023	.0027	.0031	.0035	.0039	.0043	.0050	
P	3	1.25 x D	0.5 x D	1 x D	390	-	520	IPT	.0015	.0020	.0023	.0026	.0029	.0034	.0038	.0046	
	4 5	1.25 x D	0.5 x D	0.75 x D	300 200	-	490 330	IPT IPT	.0014	.0018	.0020	.0023	.0026	.0030	.0033	.0039	
	6	1.25 x D	0.5 x D	0.75 x D	160	-  -	250	IPT	.0012	.0018	.0015	.0021	.0023	.0027	.0030	.0038	
	1	1.25 x D	0.5 x D	1 x D	260	=	330	IPT	.0015	.0020	.0013	.0026	.0019	.0022	.0024	.0026	
М	2	1.25 x D	0.5 x D	1 x D	200	-	260	IPT	.0012	.0016	.0018	.0021	.0023	.0027	.0030	.0036	
	3	1.25 x D	0.5 x D	1 x D	200	-	260	IPT	.0010	.0013	.0015	.0017	.0019	.0022	.0024	.0028	
	1	1.25 x D	0.5 x D	1 x D	390	-	520	IPT	.0018	.0023	.0027	.0031	.0035	.0039	.0043	.0050	
K	2	1.25 x D	0.5 x D	1 x D	360	-	460	IPT	.0015	.0020	.0023	.0026	.0029	.0034	.0038	.0046	
	3	1.25 x D	0.5 x D	1 x D	330	-	430	IPT	.0012	.0016	.0018	.0021	.0023	.0027	.0030	.0036	
	1	1.0 x D	0.3 x D	0.3 x D	160	-	300	IPT	.0015	.0020	.0023	.0026	.0029	.0034	.0038	.0046	
s	2	1.0 x D	0.3 x D	0.3 x D	70	-	130	IPT	.0008	.0010	.0012	.0014	.0016	.0018	.0020	.0025	
	3	1.25 x D	0.5 x D	1 x D	160	-	260	IPT	.0012	.0016	.0018	.0021	.0023	.0027	.0030	.0036	
	4	1.25 x D	0.5 x D	1 x D	150	-	210	IPT	.0011	.0014	.0017	.0019	.0022	.0025	.0028	.0033	
Н	1	1.25 x D	0.5 x D	0.75 x D	260	-	460	IPT	.0014	.0018	.0020	.0023	.0026	.0030	.0033	.0039	

NOTE: Lower value of cutting speed is used for high-stock removal applications or for higher hardness (machinability) within group. Higher value of cutting speed is used for finishing applications or for lower hardness (machinability) within group. Above parameters are based on ideal conditions. For smaller taper machining centers, please adjust parameters accordingly on >1/2" diameter.





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