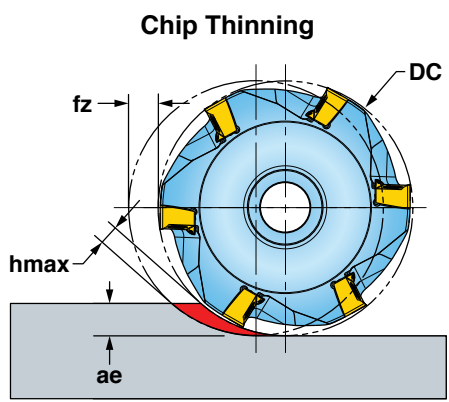


HIPOST™ OPERATING GUIDELINES: SERIES 22J3G & 22J5G



* When ae is less than 25% DC, recommend use of Chip Thinning Calculator to ensure hmax falls within fz range.

ISO	Materials			V _c Cutting Speed SFM	f _z Feed/ Tooth (inch)	Harder <-----> Tougher											Coolant					
	Mat'l Group #VDI 3323	Type	Examples			PCD	DLC	Carbide														
								IN93D	IN3310	IN2504	IN6515	IN2540	IN10K	IN2510	IN2505	IN2005		IN4030	IN2530	IN1030	IN7036	IN2036
P	1 thru 5	Non-alloy Steel	1018, A36, 1045, A572, 1070	300-600	.003-.006																	NO
	6 thru 9	Low-alloy Steel	4140, 4340, P20, 8620, 300M	250-500				5		4				2	1					3		
	10, 11	High-alloy Steel	H13, A2, D2, M2, T1	250-450																		
M	12 thru 13	Stainless Steel (Ferritic & Martensitic)	410, 416, 440	300-500	.003-.005																YES	
	14	Stainless Steel (Austenitic)	303, 304, 316, 15-5, 17-4	250-450						4				3	2	1						May not be required at high speeds
K	15 thru 16	Gray Cast Iron	CLS. 20, 30, 45	300-600	.003-.006																	NO
	17 thru 20	Nodular Cast Iron	60-40-18, 100-70-03	300-500				3	2			1	4							5		
N	21 thru 30	Aluminum	7075, 6061	800-1500	.003-.007	1					1										YES	
				1300-3000			1															
S	31 thru 35	High-Temp Alloys	Inconel, Hastelloy, Nimonic, Monel	50-120	.003-.005									2	3	1					YES	
	36 thru 37	Titanium Alloys	6AL-4V, 5Al-5Mo-5V-3Cr	60-130										3	2	1						

Note: Feed and speed recommendations are starting operating parameters. They are only guidelines from which further optimization should take place. Operating parameters are influenced by many machining variables. These variables may cause for reductions in feeds and speed or dramatic increases. Additionally, DOC and WOC may need to be revised to optimize the tools performance.