


**TECHNICAL INFORMATION - SERIES 47A**

Workpiece Material	Diameter (Inch)	Cutting Speed		Feed Per Tooth	
		SFM		APT (Inch)	
Unalloyed steel <b>P</b>	0.312	500 - 850		0.015-0.025	
	0.375	500 - 850		0.018-0.028	
	0.500	500 - 850		0.018-0.028	
	0.625	500 - 850		0.020-0.030	
	0.750	500 - 850		0.020-0.030	
	1.000	500 - 850		0.025-0.035	
High Carbon steel <b>P</b>	0.312	450 - 750		0.015-0.025	
	0.375	450 - 750		0.018-0.028	
	0.500	450 - 750		0.018-0.028	
	0.625	450 - 750		0.020-0.030	
	0.750	450 - 750		0.020-0.030	
	1.000	450 - 750		0.025-0.035	
Alloyed / Tool steel <b>P</b>	0.312	400 - 600		0.015-0.025	
	0.375	400 - 600		0.018-0.028	
	0.500	400 - 600		0.018-0.028	
	0.625	400 - 600		0.020-0.030	
	0.750	400 - 600		0.020-0.030	
	1.000	400 - 600		0.025-0.035	
Stainless steel <b>M</b>	0.312	300 - 550		0.015-0.025	
	0.375	300 - 550		0.018-0.028	
	0.500	300 - 550		0.018-0.028	
	0.625	300 - 550		0.020-0.030	
	0.750	300 - 550		0.020-0.030	
	1.000	300 - 550		0.025-0.035	
Gray cast iron <b>K</b>	0.312	500 - 850		0.015-0.025	
	0.375	500 - 850		0.018-0.028	
	0.500	500 - 850		0.018-0.028	
	0.625	500 - 850		0.020-0.030	
	0.750	500 - 850		0.020-0.030	
	1.000	500 - 850		0.025-0.035	
Nodular <b>K</b>	0.312	450 - 650		0.015-0.025	
	0.375	450 - 650		0.018-0.028	
	0.500	450 - 650		0.018-0.028	
	0.625	450 - 650		0.020-0.030	
	0.750	450 - 650		0.020-0.030	
	1.000	450 - 650		0.025-0.035	
Super alloys <b>S</b>	0.312	80 - 200		0.008-0.018	
	0.375	80 - 200		0.012-0.022	
	0.500	80 - 200		0.012-0.022	
	0.625	80 - 200		0.015-0.025	
	0.750	80 - 200		0.015-0.025	
	1.000	80 - 200		0.018-0.028	
Hardened steel < 50 HRC <b>H</b>	0.312	250 - 400		0.012-0.022	
	0.375	250 - 400		0.015-0.025	
	0.500	250 - 400		0.015-0.025	
	0.625	250 - 400		0.020-0.030	
	0.750	250 - 400		0.020-0.030	
	1.000	250 - 400		0.020-0.030	
Hardened steel < 58 HRC <b>H</b>	0.312	150 - 250		0.008-0.018	
	0.375	150 - 250		0.012-0.022	
	0.500	150 - 250		0.012-0.022	
	0.625	150 - 250		0.015-0.025	
	0.750	150 - 250		0.015-0.025	
	1.000	150 - 250		0.018-0.028	