

## AccuThread™ T3 | Metric (mm)

ISO	Material	Hardness (BHN)	Speed (M/min)	Chipload per Tooth (mm/tooth) by Cutter Diameter			
				1.40 to 3.17	3.18 to 4.77	4.78 to 6.35	6.36 to 7.92
P	Free Machining Steel 1118, 1215, 12L14, etc.	100 - 150	115	0.020	0.025	0.035	0.045
		150 - 200	85	0.020	0.025	0.035	0.045
		200 - 250	70	0.020	0.025	0.035	0.045
	Low Carbon Steel 1010, 1020, 1025, 1522, 1144, etc.	85 - 125	115	0.020	0.025	0.035	0.045
		125 - 175	85	0.020	0.025	0.035	0.045
		175 - 225	70	0.020	0.025	0.035	0.045
		225 - 275	60	0.020	0.025	0.035	0.045
	Medium Carbon Steel 1030, 1040, 1050, 1527, 1140, 1151, etc.	125 - 175	70	0.020	0.025	0.030	0.040
		175 - 225	60	0.020	0.025	0.030	0.040
		225 - 275	50	0.020	0.025	0.030	0.040
		275 - 325	45	0.020	0.025	0.030	0.040
	Alloy Steel 4140, 5140, 8640, etc.	125 - 175	70	0.020	0.025	0.030	0.040
		175 - 225	60	0.020	0.025	0.030	0.040
		225 - 275	50	0.020	0.025	0.030	0.040
		275 - 325	45	0.020	0.025	0.030	0.040
		325 - 375	38	0.020	0.025	0.030	0.040
	High Strength Alloy 4340, 4330V, 300M, etc.	225 - 300	50	0.020	0.025	0.030	0.040
		300 - 350	45	0.020	0.025	0.030	0.040
350 - 400		38	0.020	0.025	0.030	0.040	
Structural Steel A36, A285, A516, etc.	100 - 150	70	0.020	0.025	0.035	0.045	
	150 - 250	60	0.020	0.025	0.035	0.045	
	250 - 350	45	0.020	0.025	0.035	0.045	
Tool Steel H-13, H-21, A-4, O-2, S-3, etc.	150 - 200	50	0.020	0.025	0.030	0.040	
	200 - 250	38	0.020	0.025	0.030	0.040	
S	High Temp Alloy Hastelloy B, Inconel 600, etc.	140 - 220	30	0.015	0.020	0.030	0.040
		220 - 310	23	0.015	0.020	0.030	0.040
	Titanium Alloy	140 - 220	30	0.015	0.020	0.030	0.040
		220 - 310	23	0.015	0.020	0.030	0.040
	Aerospace Alloy S82	185 - 275	30	0.015	0.020	0.030	0.040
		275 - 350	23	0.015	0.020	0.030	0.040
M	Stainless Steel 416, 420, etc.	185 - 275	70	0.020	0.025	0.030	0.040
		275 - 350	60	0.020	0.025	0.030	0.040
	Stainless Steel 300 Series 304, 316, 17-4PH, etc.	135 - 185	38	0.020	0.025	0.030	0.040
		185 - 275	23	0.020	0.025	0.030	0.040
	Super Duplex Stainless Steel	135 - 185	38	0.015	0.020	0.030	0.040
185 - 275		23	0.015	0.020	0.030	0.040	
H	Hardened Steels	45 - 50	50	0.015	0.020	0.030	0.040
		50 - 55	38	0.015	0.020	0.030	0.040
K	Cast Iron Grey, Ductile, Nodular	120 - 150	85	0.020	0.025	0.035	0.045
		150 - 200	75	0.020	0.025	0.035	0.045
		200 - 220	70	0.020	0.025	0.035	0.045
		220 - 260	60	0.020	0.025	0.035	0.045
		260 - 320	60	0.020	0.025	0.035	0.045
N	Wrought Aluminum	30	150	0.025	0.030	0.045	0.050
		180	135	0.025	0.030	0.045	0.050
	Cast Aluminum	30 - 180	75	0.025	0.030	0.045	0.050
	Brass	30 - 100	150	0.025	0.030	0.045	0.050