RDMT 10T3 M0

Material Group	Group No	Material Examples*	Brinell hardness	d.o.c [mm]		feed [mm/tooth]		V_c [m/min]	
				min	max	min	max	min	max
Low Carbon Steel	1	Ck 15 9SMnPb28	150	0.50	3.00	0.20	0.49	180	400
			180		3.00		0.49		350
			210		2.00		0.49		200
Alloy Steel	2	42 CrMo 4 100 Cr 6 32 NiCrMo 14.5	180	0.50	3.00	0.20	0.42	120	300
			230		2.00		0.42		250
			280		2.00	0.16	0.42		210
			320		2.00		0.35		180
High Alloy Steel	3	X38 CrMoV 5 X210 CrW 12 X90 CrMoV 8	220	0.50	2.00	0.16	0.42	70	190
			280		2.00		0.42		150
			320		1.50		0.42		130
			350		1.50		0.35		100
Austenitic Stainless Steel	4	303 / 304 304 L	210 to 250	0.50	2.00	0.18	0.35	170	270
	5	316 / 316 L	230 to 270		2.00	0.16	0.25	170	210
	6	316 Ti 630 (F16PH)	--------		1.50	0.16	0.25	80	130
Ferritic Stainless Steel	7	430 / 439 / 444	Annealed	0.50	2.00	0.20	0.28	170	250
Martensitic Stainless Steel	8	410 / 420	Annealed	0.50	2.00	0.20	0.28	170	250
			Treated					120	210
Grey Cast Iron	9	EN - GJL 200	140 to 230	0.50	2.00	0.14	0.63	170	280
		EN - GJL 250							250
		EN - GJL 300							230
Nodular Cast Iron	10	EN - GJS 400	210	0.50	2.00	0.14	0.49	120	230
		EN - GJS 600	260						190
		EN - GJS 800	310						150
Nickel Based Alloys	11	Inconel 625	--------	0.50	1.50	0.16	0.25	25	35
		Inconel 718							40
		Hastelloy C							65
Titanium Based Alloys	12	TiAl 6 V4	--------	0.50	1.50	0.16	0.25	35	60
		T40					0.21	28	40

*For all material types and standards, see pages 155 to 158.

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