

APKT 1604 PDTR / APKT 160416 TR APKT 160424 TR / APKT 160440 TR

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	15.00	0.18	0.30	190	300
			180						260
			210						220
Alloy Steel	2	42 CrMo 4 100 Cr 6 32 NiCrMo 14.5	180	0.50	15.00	0.15	0.25	130	200
			230						180
			280				0.22	100	160
			320						140
High Alloy Steel	3	X38 CrMoV 5 X210 CrW 12 X90 CrMoV 8	220	0.50	15.00	0.12	0.20	90	130
			280						110
			320				0.18	60	95
			350						80
Austenitic Stainless Steel	4	303 / 304 304 L	210 to 250	0.50	15.00	0.15	0.25	170	230
	5	316 / 316 L	230 to 270			0.12	0.22	170	210
	6	316 Ti 630 (F16PH)	-----			0.12	0.18	80	130
Ferritic Stainless Steel	7	430 / 439 / 444	Annealed	0.50	15.00	0.15	0.25	150	190
Martensitic Stainless Steel	8	410 / 420	Annealed Treated	0.50	15.00	0.15	0.25	130	210
								90	150
Grey Cast Iron	9	EN - GJL 200	140 to 230	0.50	15.00	0.18	0.30	150	240
		EN - GJL 250							220
		EN - GJL 300							190
Nodular Cast Iron	10	EN - GJS 400	210	0.50	15.00	0.15	0.30	100	200
		EN - GJS 600	260				0.25		160
		EN - GJS 800	310				0.22		130
Nickel Based Alloys	11	Inconel 625	-----	0.50	15.00	0.12	0.18	25	35
		Inconel 718							38
		Hastelloy C							65
Titanium Based Alloys	12	TiAl 6 V4	-----	0.50	15.00	0.12	0.20	30	55
		T40					0.18	22	35

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