

TPKN 1603 PDTR

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	12.00	0.12	0.22	190	300
			180						260
			210						220
Alloy Steel	2	42 CrMo 4 100 Cr 6 32 NiCrMo 14.5	180	0.50	7.00	0.12	0.18	130	200
			230						180
			280					100	160
			320						140
High Alloy Steel	3	X38 CrMoV 5 X210 CrW 12 X90 CrMoV 8	220	TPKN inserts are not recommended for high resistance steels.					
			280						
			320						
			350						
Austenitic Stainless Steel	4	303 / 304 304 L	210 to 250	TPKN inserts are not recommended for stainless steel.					
	5	316 / 316 L	230 to 270						
	6	316 Ti 630 (F16PH)	-----						
Ferritic Stainless Steel	7	430 / 439 / 444	Annealed	TPKN inserts are not recommended for stainless steel.					
Martensitic Stainless Steel	8	410 / 420	Annealed Treated	TPKN inserts are not recommended for stainless steel.					
Grey Cast Iron	9	EN - GJL 200	140 to 230	0.50	12.00	0.12	0.22	150	240
		EN - GJL 250							220
		EN - GJL 300							190
Nodular Cast Iron	10	EN - GJS 400	210	0.50	12.00	0.12	0.18	100	200
		EN - GJS 600	260						160
		EN - GJS 800	310						130
Nickel Based Alloys	11	Inconel 625	-----	TPKN inserts are not recommended for exotic materials.					
		Inconel 718							
		Hastelloy C							
Titanium Based Alloys	12	TiAl 6 V4	-----	TPKN inserts are not recommended for exotic materials.					
		T40							

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

