

SEGT 1204 AFEN-Alu

Material group	Group No	Material Examples	Hardness Brinell	d.o.c [mm]		feed [mm/t]		Vc [m/min]	
				min	max	min	max	min	max
Low carbon Steel	1	XC 12 S 250 Pb	150	----	----	----	----	----	----
			180						
			210						
Alloy Steel	2	42 CrMo 4 100 Cr 6 32 NiCrMo 14.5	180	----	----	----	----	----	----
			230						
			280						
			320						
High alloy Steel	3	X38 CrMoV 5 X210 CrW 12 X90 CrMoV 8	220	----	----	----	----	----	----
			280						
			320						
			350						
Austenitic Stainless Steel	4	303 / 304 304 L	Annealed	----	----	----	----	----	----
	5	316 / 316 L	Annealed						
	6	316 Ti 630 (F16PH)	Annealed						
Ferritic Stainless Steel	7	430 / 439 444	Annealed	----	----	----	----	----	----
Martensitic Stainless Steel	8	410 / 420	Annealed	----	----	----	----	----	----
			Treated						
Grey Cast Iron	9	EN - GJL 200	140 à 230	----	----	----	----	----	----
		EN - GJL 250							
		EN - GJL 300							
Nodular Cast Iron	10	EN - GJS 400	210	----	----	----	----	----	----
		EN - GJS 600	260						
		EN - GJS 800	310						
Aluminum		Si < 4%	-----	0.5	7	0.15	0.40	400	1200
		4% < Si < 9%		0.5	7	0.15	0.35	250	800
		Si > 9%		----	----	----	----	----	----
Nickel based Alloys		Inconel 625	-----	----	----	----	----	----	----
		Inconel 718	-----	----	----	----	----	----	
		Hastelloy C	-----	----	----	----	----	----	
Titanium based Alloys		TiAl 6 V4	-----	----	----	----	----	----	----
		T40	-----	----	----	----	----	----	