

Material Group Examples

Steel P	11 Magnetic soft steels	12 Structural steels	13 Plain carbon steels	14 Alloy steels
	EN1 EN2 OSOA12 230Mo7	EN3A, 4, 5, 6, 7, 8 060A35 040A10 EN32 210M15	EN9, 10 EN43 070M20 060A62 080M46	EN16, 17, 19 BO1 BO2 D2 D3
Hardened Steel H	15 Alloy/Tempered steels	16 Hardened steels		
	S95 S98, S99 BH11 BH13 830M31	>38 HRC Hardox400 Hardox500 P20		
Stainless Steel M	21 Free machining	22 Austenitic	23 Martensitic/Ferritic	
	EN56, 58 303S21 304S15 316S 321S17	EN58J 420S37 431S29	Duplex Super Duplex 17-4 PH S130	
Cast Iron K	31 Grey cast Iron soft	32 Grey cast Iron hard	33 Nodular graphite	34 Nodular graphite
	GG10 GG20 GG30 GG40	GG25 GG35 GF150	GGG40 GGG50 SG Iron	GGG70 GGG80 Meehanite
Titanium S	41 Titanium unalloyed	42 Titanium alloys	43 Titanium alloys	
	Pure Titanium TA1 - 9 Ti99.0	Ti6Al4V Ti6Al2Sn4Zr2Mo Ti4Al4Mo2Sn0.5Si	Ti10Al2Fe3Al Ti5Al5V5Mo3Cr Ti7Al4Mo Ti3Al8V6Cr4Zr4Mo Ti6Al6V6Sn Ti15V3 Cr3Sn3Al	
Nickel S	51 Nickel unalloyed	52 Heat resisting alloys	53 Heat resisting alloys	
	NA11 NA12 Nickel 200	Nimonic 75 Hastelloy C Inconel 601, 617, 625 Incoloy 800, 825 Monel 400	Nimonic 80 Rene 41 Inconel 718, 750-X Incoloy 925 Monel K-500	
Copper N	61 Copper unalloyed	62 Short chip alloys	63 Long chip alloys	64 Cu - Al - Fe alloys
	Commercially pure C101	CZ120 PB104 G-CuSn5ZnPb	CZ106 CZ108 CuZn37	Ampco18 Ampco20 Ampco26
Aluminium N	71 Aluminium unalloyed	72 Aluminium, Si <0.5%	73 Aluminium, Si 0.5-10%	74 Aluminium, Si >10%
	Al99.5H Al99.9 Al99.9Mg0.5	AlMn1 AlMn1Mg0.5 LM5, 10, 12 6061	HE9, 30 LM2, 4, 16, 18, 21-27 6082 6063	G-AlSi10Mg G-AlSi12 G-MgAl6 LM6, 12, 13, 20, 28-30
Synthetics O	81 Thermoplastics	82 Thermosetting plastics	83 Reinforced plastics	
	Nylon Acetal	Tufnol	CFRP, GFRP Circuit Board Kevlar	