

Material specifications

Aluminium alloys and other specifications

UK BS1490	LM4	LM6	LM25
UK Aero	-	-	BS 2L99
BS EN 1706	AC-45200	AC-44100	AC-42000
ISO	Al-Si-5Cu3	Al-Si12	Al-Si7Mg
USA	319	A413	A356
France	A-S5U3	AS13	A-S7C06
Germany	G-AISi6Cu4	G-AISi12	G-AISi7Mg

Aluminium heat treatment specifications

TS (Stress Relieved)	BSEN 1706 "O"
TB (Solution Treated)	BSEN 1706 "T4"
TB7 (Solution Treated + Stabilized)	BSEN 1706 "T7"
TE (Precipitation Treated)	BSEN 1706 "T5"
TF (Solution + Precipitation)	BSEN 1706 "T6"

Copper based alloys

BS1400	LG2, LG4, G1, HTB1, PBI, AB2
Naval Standards	NES 747, NES 830

Grey iron

BS EN 1561	EN-GJL-150	EN-GJL-200	EN-GJL-250	EN-GJL-300	EM-GJL-350
BS1452 - 1961	12	14	17	20	23
BS1452 - 1990	180	220	250	300	350
ISO	150	200	250	300	350
USA	20 or 25	30	35	40 OR 45	50
France	FGL150	FGL200	FGL250	FGL300	FGL350
Germany	GG15	GG20	GG25	GG30	GG35

Ductile iron (SG, nodular graphite)

BS EN 1563	400-18	400-15	450-10	500-7	600-3	700-2
BS2789:1985	400/18	420-12	450/10	500/7	600/3	700/2
ISO 1083	400-18	400-15	450-10	500-7	600-3	700-2
USA A536	60-40-18	65-45-12	70-50-05	80-55-06	100-70-03	-
France NF A32-201	400-18	400-15	150-10	500-7	FGS600-2	FGS700-2
Germany DIN1693	-	GGG40	-	GGG50	GGG60	GGG70

Low temp ductile iron (SG, nodular graphite)

BS EN 1563	400/18LT
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Austempered ductile iron (ADI)

BS EN 1564	800-10	900-8	1050-6	1200-3	1400-1
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