



STEEL ALLOY LIST

Mathers Foundry & Spunalloys



Type	Standard Specification	Grades	Comments
CARBON/C-Mn STEEL	ASTM A27 ASTM A148 ASTM A216 ASTM A352 BS 3100 BS 1504 EN 10213-2 NES 849	60-30 70-40 80-50 90-60 WCA WCB WCC LCA LCB LCC A1 A3 A4 AW2 161-430 161-430E 161-480 1.0625 GRADE A	Specials with tighter carbon and residual limits can be produced
LOW ALLOY STEEL	ASTM A 487 BS 3100 DIN	4A 4B 4C 4D BT1 BT2 GS25CrMo4 GS42CrMo4	Specials with tighter carbon and residual limits can be produced
0.5% Mo STEEL	ASTM A217 BS3100 BS1504 NES 849	WC1 B1 245 245LT GRADE D	
1.25% Cr STEEL	ASTM A217 BS 1504 BS 3100	WC6 622 B2	
2.5% Cr STEEL	ASTM A217 BS 1504	WC9 621	
5% Cr STEEL	ASTM A217	C5	
3% Ni STEEL	ASTM A352	LC3	
9% Cr Mod STEEL	ASTM A217	C12A	
13% Cr STEEL	ASTM A217 ASTM A487 ASTM A743 BS 3100	CA15 CA15M CA15 CA15M CA15 CA15M 410C21	
13/4 STEELS	ASTM A487 ASTM A743 BS 1504 BS 3100 DIN	CA6NM CA6NM 425C11 425C12 GX4CrNi13 4	
15 – 17% Cr STEELS	ASTM A747 DIN SEW 410	CB7-Cu1 CB7-Cu2 GX5CrNiMo165	
AUSTENITIC STAINLESS STEELS	ASTM A351 ASTM A743 ASTM A744 BS 1504 BS 3100	CF8 CF8M CF8C CF3 CF3M CF3M 304C12 347C17 318C17 302C25 316C16 316C12	
SUPER AUSTENITIC STAINLESS STEELS	ASTM 351 ASTM A743 ASTM A744	CN7M CN7M CK3MCuN CK3MCuN	

	UNS DIN BS3100	ALLOY 28 GX40CrNiSi 25 20 310C40	
LEAN DUPLEX	MATHERS	ZERON21CLD	PREN > 30
DUPLEX	MATHERS ASTM A890 ASTM A995	ZERON 25 ZERON 38 4A 4A	All PREN > 35 Bespoke versions can be produced to suit specific applications and environments NORSOK
DUPLEX ALLOYS WITH COPPER	ASTM A890 ASTM A995 DIN AFNOR	CD4MCu CD4MCuN GXCrNiMoCuN – 26.6.3.3 NFA 320-55 26CNDU20.08M	
SUPER-DUPLEX	MATHERS ASTM A890 ASTM A995	ZERON 100 5A 6A 5A 6A	All PREN > 40 NORSOK NORSOK Bespoke versions can be produced to suit specific applications and environments
HIGH NICKEL CORROSION RESISTANT ALLOYS	ASTM A494	CW6MC CW12MW N12MV	625 TYPE C276 TYPE B1 B2 TYPE

The above list is not exhaustive and Mathers and Spunalloys are not limited to the materials listed here. All enquiries are welcome. Please email your enquiries to sales@mathersfoundry.co.uk / sales@spunalloys.co.uk or call us on +44 (0)161 954 4347 (Mathers) or +44 (0)1384 410 111 (Spunalloys).