

Aluminium Specifications

European Specifications with British Standard Comparison

EN Number	Content	British Standard	
		BS 1470:1987	BS 1474:1987
EN 485 - 1	Technical conditions for inspection and delivery	•	
EN 485 - 2	Mechanical properties	•	
EN 485 - 3	Tolerances on shape and dimensions for hot rolled products	•	
EN 485 - 4	Tolerances on shape and dimensions for cold rolled products	•	
EN 515	Temper designations	•	•
EN 573 - 3	Chemical composition	•	•
EN 573 - 4	Forms of products	•	•
EN 755 - 1	Technical conditions for inspection and delivery		•
EN 755 - 2	Mechanical properties		•
EN 755 - 3	Round bars, tolerances on dimension and form		•
EN 755 - 4	Square bars, tolerances on dimension and form		•
EN 755 - 5	Rectangular bars, tolerances on dimension and form		•
EN 755 - 6	Hexagonal bars, tolerances on dimension and form		•
EN 755 - 7	Seamless tubes, tolerances on dimension and form		•
EN 755 - 8	Porthole tubes, tolerances on dimension and form		•
Pr* EN 755 - 9	Profile tolerances on dimension and form		•

Pr* - Due for publication

Typical Characteristics and Suitability for Processing - Wrought Aluminium

Material Designation	Old BS Designation	0.2% Proof Stress* N/mm ²	Tensile Strength* N/mm	Resistance to Atmospheric Attack	Formability	Machinability	Inert Gas Shielded Arc	Oxy-Gas	Suitability for				
									Joining			Anodising	
									Resistance Spot, Sea, etc	Brazing	Soldering	Protective	Colour
1050A-0	1B	55	75	V	E	F	V	V	V	V	V	E	E
1050A-HB	1B	133	146	V	F	G	V	V	V	V	V	E	E
1200-0	1C	60	80	V	E	F	V	V	V	V	V	V	V
1200-H4	1C	115	125	V	V	F	V	V	V	V	V	V	V
1200-H8	1C	143	160	V	F	G	V	V	V	V	V	V	V
2011-T3	FC1	280	340	P	F	E	N	N	N	N	N	F	F(D)
2011-T6	FC1	255	340	P	F	E	N	N	N	N	N	F	F(D)
2014A-T4	H15	255	410	P	G	G	N	N	E	N	N	F	F(D)
2014A-T6	H15	420	470	P	F	V	N	N	E	N	N	F	F(D)
3103-0	N3	70	112	V	E	F	V	V	E	V	V	G	G
3103-H4	N3	140	155	V	V	F	V	V	E	V	V	G	G
3103-H8	N3	185	195	V	F	G	V	V	E	V	V	G	G
5005-0	-	120	312	V	V	F	E	-	E	G	G	E	E
5005-H4	115	165	155	V	G	G	E	-	E	G	G	E	E
5005-H8	175	195	195	V	F	G	E	-	E	G	G	E	E
5083-0	N8	140	312	V	G	G	E	F	E	N	N	V	V
5083-H2	N8	250	335	F	F	V	E	F	E	N	N	V	V
5083-H4	N8	285	375	F	F	V	E	F	E	N	N	V	V
5251-0	N4	87	180	V	V	G	V	V	E	N	N	V	V
5251-H3	N4	150	220	V	G	G	V	V	E	N	N	V	V
5251-H6	N4	190	250	V	G	V	V	V	E	N	N	V	V
6063-T4	H9	90	155	V	V	G	V	F	V	V	G	V	V
6063-T6	H9	180	210	G	G	G	V	F	V	V	G	V	V
6082-T4	H30	130	225	V	G	G	V	F	V	G	G	G	G
6082-T6	H30	270	310	G	G	V	V	F	V	G	G	G	G

E = Excellent V = Very Good G = Good F = Fair D = Dark Colours only N = Not recommended

* = As actual figures depend on size and form of materials, these typical figures should only be used to compare alloys.