

Typical Applications

- Aerospace Components
- Defence Components
- High Technology Applications

Product Description

A medium strength alloy, made to the American Standard. Solution treated, artificially aged and controlled stretched to achieve the T651 condition, in drawn, rolled or cold worked bar, profile and wire form.

BS/EN Euronorm - EN 573 / 754
 AECMA Euronorm - BS EN 2702
 - BS Pr EN 2700

Production Tolerances

Manufacturing limits are as stated in AMS QQA 225. For further assistance please contact our Sales Dept / Laboratory.

Machinability

Very Good

Surface Treatment

Anodising

Protective - Good
 Bright - Fair
 Hard - Very Good
 Colour - Good

Plating & Vitreous Enamelling

A special pre-treatment is required for successful result

Weldability

Brazing & Soldering - Good
 Oxygen - Fair
 Inert Gas - Very Good
 Resistance, Spot, Beam - Very Good

Corrosion Resistance

Resistance to Atmospheric Attack - Good

Cut Size to Sawn Blanks

Cut to length + 1.0mm - NIL

Chemical Composition (weight %)

	Al	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others
Min.	REM	0.40		0.15		0.8	0.04			0.05 each (max)
Max.	REM	0.80	0.70	0.40	0.15	1.2	0.35	0.25	0.15	0.15 total

Mechanical Properties (Minima)

Size Range (in)	Tensile Strength (ksi)	0.2% Proof Stress (ksi)	Elongation on 50mm (%)
Up to 8 in.	42	35	10

Technical Assistance

Our knowledgeable staff backed up by our resident team of qualified metallurgists and engineers, will be pleased to assist further on any technical topic.

www.smithmetal.com

sales@smithmetal.com

Biggleswade 01767 604604	Birmingham 0121 7284940	Bristol 0117 9712800	Chelmsford 01245 466664	Gateshead 0191 4695428	Horsham 01403 261981	Leeds 0113 3075167
London 020 72412430	Manchester 0161 7948650	Nottingham 0115 9254801	Norwich 01603 789878	Redruth 01209 315512	Verwood 01202 824347	General 0845 5273331



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