

#### Typical Applications

- Aerospace Components
- Defence Components
- High Technology Applications

#### Product Description

A high strength 5.1 to 6.1% Zinc alloy. Solution treated, artificially aged and controlled stretched to achieve the T651 condition, in drawn, rolled, cold finished wire, bar and profile form.

BS/EN Euronorm - EN 573 / 754  
AECMA Euronorm - No Current Norm

#### 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 - Fair Bright - Variable Hard - Fair Colour - Fair
Plating	N/A
Vitreous Enamelling	N/A

#### Weldability

Brazing & Soldering	- Not recommended
Oxygen	- Not recommended
Inert Gas	- Not recommended
Resistance, Spot, Beam	- Very Good

#### Corrosion Resistance

Resistance to Atmospheric Attack - Fair

#### 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			1.2		2.10	0.18	5.1		0.05 each (max)
Max.	REM	0.40	0.50	2.0	0.30	2.90	0.28	6.1	0.20	0.15 Total

#### Mechanical Properties (minima, T651 condition)

Size Range (in)	Tensile Strength (ksi)	0.2% Proof Stress (ksi)	Elongation on 50mm (%)
Up to 4.000	77	66	7

#### 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.

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