AMS QQA 225/9 7075

DATA SHEET

ALUMINIUM DRAWN/ROLLED/COLD FINISHED, BAR, ROD, WIRE SHAPES

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.
General Engineering Euronorm - EN 573 / 754
AECMA Euronorm - No Current Norm

STOCK RANGE

Round Bar : 1/2" to 7" Diameter (12.7 To 177.8mm)

Flat : 2" X 1/4" to 6" X 4" (50.8 X 6.35 to 152.4 X 101.6mm)

Squares : 3/4" to 6" Square (19.05 to 152.4mm)

CUT TO SIZE SAWN BLANKS

Cut to Length + 1.0mm - NIL

MACHINABILITY

Very Good

CORROSION RESISTANCE

Resistance to Atmospheric Attack
Fair

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

PRODUCTION TOLERANCES

Manufacturing limits are as stated in the Tables 10.12 to 10.20 of U.S. Aluminium Standards & Data. For further assistance please contact our Sales Dept / Laboratory.

CHEMICAL COMPOSITION (WEIGHT %)

	Al	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others
Min	REM			1.20		2.10	0.18	5.10		0.05 Each (Max)
Max	REM	0.40	0.50	2.00	0.30	2.90	0.28	6.10	0.20	0.15 Total

MECHANICAL PROPERTIES (MINIMA)

Size Range (in)	Tensile Strength (ksi)	0.2% Proof Stress (ksi)	Elongation on $5.65\sqrt{S_0}$ (%)	Elongation on 50mm (%)
Up to 4.000	77	66	-	7
4.001 – 6.000	75	64	-	7
6.001 – 7.000	73	62	-	7

TECHNICAL SALES ASSISTANCE

Our resident team of qualified metallurgists and engineers will be pleased to assist further on any technical topic.

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