

Drawn Aluminium Tubing

Typical Applications

- Used extensively in the aerospace sector
- Motorsport
- Wheels

Product Description

AMS-WWT-700/3 drawn aluminium tubing is widely used in the aerospace sector due to the alloys higher strength combined with good machinability. The material has a superior grain structure and is a popular alloy for high strength tubing applications.

Corrosion Resistance

Fair

Key Features

- Greater strength than 2024 and 2017
- Good machining capabilities
- Good fatigue resistance
- Fair cold formability
- Weldable only by friction welding
- Fair corrosion resistance

Availability

Pipe, tube

Machinability

Good

Chemical Composition (weight %)

	Al	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Other	Total
min.	Bal			3.8	0.3	1.2					
max.	Bal	0.50	0.50	4.9	0.9	1.8	0.1	0.25	0.15	0.05	0.15

Mechanical Properties

O T3	Ultimate		Yield		Elongation %	Brinell (Typical)
	KSI	MPA	KSI	MPA		
	32 (max)	221 (max)	15 (min)	104 (max)	10-16%*min	47 120
	64 (min)	442	42 (min)	290 (min)		

* minimum elongation dependent on wall thickness

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.

UK Service Centres:

Smiths Belfast **02895 908 897**
 Smiths Biggleswade **01767 604 704**
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Quality & Testing:



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