

2024 Aluminium Tubes

Smiths Advanced Metals

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High Strength Aluminium Tube

2024 aluminium combines high strength with fatigue resistance

With excellent fatigue resistance and high strength, 2024 aluminium tubes are typically used in structural applications and aerospace components.

2024 aluminium is one of the most broadly used aluminium in the aerospace sector. The main alloying element is copper (3.8 - 4.9%). The material promotes good workability and machinability and is easily machined to a high finish. Weldability is generally poor, although it can be flash spot or seam welded where necessary. Corrosion resistance is generally poor and the alloy can suffer from intergranular corrosion under specific conditions.

We stock [2024 aluminium tubes](#) in a variety of sizes and tempers (including T3, T351, T3511, T81 or T8511).

Grades / Specifications

- AMS4088
- AMSQA200/3
- AMSWWT700/3
- ASNA3137
- ASNA3352
- LN1795
- BS EN 573, BS EN 755, BS EN 754

Cut to bespoke shape service:

Our tube cutting service ensures that we provide customers with tubular products supplied to specific lengths. We perform all processing operations in-house.

Technical sales support:

To find out more about the [2024 aluminium tubes](#) and for other technical advice, contact Smiths Advanced Metals today. We also offer comprehensive metallurgical support via our [UKAS Accredited Testing Laboratory](#).



Key Applications

- Aircraft structures
- Military vehicles
- Structural applications

Benefits

- High mechanical strength
- Good machinability
- Good fatigue resistance

Chemical Composition (weight %)

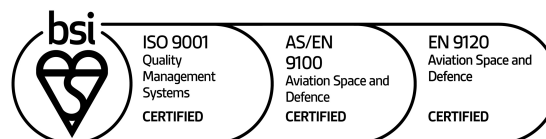
	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others (ea)	Others (total)	Al
min.			3.80	0.30	1.20						Rem
max.	0.50	0.50	4.90	0.90	1.80	0.10	0.25	0.15	0.05	0.15	

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