

Aerospace Stainless Steel Tube

Typical Applications

- Superheater tubes
- Cooling tubes
- Furnace tubing
- Oil & gas sector applications
- Aerospace applications

Product Description

A type 347, niobium stabilised, stainless steel containing 18% chromium and 10% nickel with added copper. Designed for use in hydraulic applications. Achieves a tensile strength (Rm) of 550/700 N/mm². The alloy benefits from good corrosion resistance and good weldability.

Heat treatment

Supplied in the heat treated condition.

Key features:

- Designed for hydraulic applications
- Niobium stabilised
- Good corrosion resistance
- Good weldability

Corrosion Resistance

Good.

Weldability

Good.

Availability

Tube.

Chemical Composition (weight %)

	C	Cu	Si	Mn	Cr	Ni	Nb	P	S
Min			0.20	0.50	17.0	9.0	5 XC		
Max	0.08	0.50	0.10	2.00	19.0	12.0	1.0	0.035	0.025

Mechanical Properties

Grade	T72 Tube		
Treatment	Solution annealed		
Tensile Strength	550 - 700	Rm, N/mm ²	
Proof Stress	210 - 340	Rp 0.2,, N/mm ²	
Elongation in 5.65 √Cross Sectional Area Ruling Section	40 1/8" OD to 3 1/4 OD	%	

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
 Smiths Birmingham 0121 728 4940
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Quality & Testing:



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