

L56

Technical Datasheet



Service. Quality. Value.

Hydraulically Tested Aluminium Tube

Typical Applications

- Higher strength sheet
- Metal work
- Packaging
- Boilermaking
- Heat transfer devices
- Chemical industry
- Pharmaceutical
- Architectural panelling
- Welded structures
- Offshore applications
- Cabinets
- Appliances
- Pressure vessels
- Panelling

Product Description

L56 is an alloyed non-heat treatable tube product where higher mechanical properties are required together with a degree of formability. Hydraulically tested, L56 alloy tubes are supplied in the 'O' temper condition. Boasting very good corrosion resistance, the material is ideally suited for offshore applications. Normal, industrial and marine atmospheres promote few problems. L56 aluminium alloy tubes are based on the 5251 aluminium material designation.

Welding

Easily welded

Cold Formability

Reasonable cold formability

Surface Treatment

L54 has very good anodising properties, for both decorative and technical requirements.

Corrosion Resistance

L56 aluminium has very good corrosion resistance and can be used in normal, industrial and marine environments without problems. It is particularly suited to offshore applications.

Availability

Pipe, tube

Chemical Composition (weight %)

	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Pb	Sn	Ti + Zr	Mn + Cr
Min					1.7							
Max	0.5	0.5	0.1	0.5	2.4	0.25	0.2	0.2	0.05	0.05	0.2	0.5

Typical Mechanical Properties

0.2% Proof Strength (min)	60 N/mm ²
Tensile Strength	160 to 200 N/mm ²
Strip Test Piece (min, %)	18

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