

5052 Aluminium Tube

Smiths Advanced Metals

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Medium Strength Aluminium Tube

Greater strength than 5251 & 3003 alloys

5052 aluminium tube is a medium strength product with medium to high fatigue strength. The alloy offers slightly better strength than 5251.

The product is a non-heat-treatable aluminium alloy but may be hardened by cold working. Our tubes are easily formed and welded, and the alloy finds use in various aerospace and offshore industries. Our 5052 aluminium tubes offer slightly improved corrosion resistance when compared to 1200 alloys. Our material is not susceptible to stress corrosion cracking (SSC), unlike other aluminium alloys with a manganese content greater than 3.5%.

We have available [5052 aluminium tubes](#) in a wide range of sizes and TO temper.



Grades / Specifications

- AMS4071
- AMS-WW-T-700/4
- ASTM B210
- BS EN 573, BS EN 755, BS EN 754

Key Applications

- Aerospace components
- Marine components
- Heat exchangers

Chemical Composition (weight %)

	Si	Fe	Cu	Mn	Mg	Cr	Zn	Others (ea)	Others (total)	Al
min.					2.20	0.15				Rem
max.	0.25	0.40	0.10	0.10	2.80	0.35	0.10	0.05	0.15	

The Marine Sector

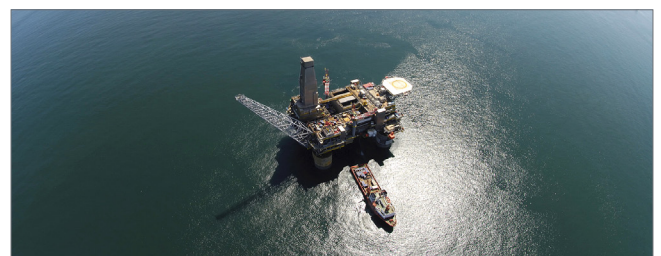
5052 aluminium tubes are commonly used throughout the marine sector in structures, fuel lines, heat exchangers and tanks.

The alloy is a good choice for chlorine, wastewater and saltwater environments and is regarded as one of the best welding aluminiums.

From above-sea to sub-sea applications, 5052 tubing offers an engineering material alternative which promotes a good strength to weight ratio.

Call Smiths Advanced Metals today on

+44 (0)1767 604710



Benefits

- Excellent corrosion resistance
- Good formability
- Good weldability

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