

Carbon Manganese Steel Tube

Typical Applications

- Undercarriage components
- Seating in aircraft
- Motorsport engine applications

Key features:

- High strength
- Good hardness
- Carbon manganese

Product Description

T64 is a carbon manganese steel with a high tensile strength and a hardness lower than that of T45. Despite this, it remains very lightweight and is the reason why it is so popular in aerospace and motorsport applications. The strength and weight ratio is very good.

Availability

Tube

Corrosion Resistance

Good

Chemical Composition (weight %)

	Fe	C	Cr	Mn	Mo	Ni	P	S	Si
Min	Bal	0.17		1.3					0.10
Max	Bal	0.25	0.25	1.7	0.1	0.4	0.04	0.04	0.35

Mechanical Properties

Tensile strength	550-750 N/mm ²
Yield strength	460 N/mm ²
Hardness	152-217 HB

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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