



ASTM A500 Carbon Seamless Steel Tubes For Structural Purposes / A500 Structural Tubing

Our Product Introduction

Basic Information

- Place of Origin: cangzhou
- Brand Name: BaoYang
- Certification: CE & ISO
- Model Number: ASTM A500
- Minimum Order Quantity: 1
- Price: Negotiable
- Packaging Details: Standard Export Packing
- Delivery Time: 7~30 working days
- Payment Terms: L/C, D/A, D/P, T/T, Western Union



Product Specification

- Name: ASTM A53 Carbon Seamless Steel Pipe
- Technique: Hot-Rolled
- Standards: BS, JIS, GB, ASTM, DIN, AISI
- Material: Carbon Steel
- Wall Thickness: 4mm-150mm
- Outer Diameter: 13.7mm-609.6mm
- Processing Service: Bending, Punching, Cutting
- Usage: Pipeline Transport, Boiler Pipe, Hydraulic/Automobile Pipe, Oil/Gas Drilling
- Highlight: **astm a500 structural tubing, astm steel tubes for structural purposes, a500 steel tubes for structural purposes**



Product Description

ASTM A500 Carbon Seamless Steel Tubes for Structural Purposes

1. Product Description: ASTM A500 Carbon Seamless Steel Tubes are specifically designed for structural applications that require high strength and durability. These tubes are manufactured from carbon steel and are seamless, ensuring uniform wall thickness and superior structural integrity. The seamless construction provides greater pressure resistance and eliminates potential seam-related failures, making them ideal for a variety of structural purposes.

2. Product Parameters:

Parameter	Description
Standard	ASTM A500
Material	Carbon Steel (Seamless)
Grade	Various grades available, depending on mechanical properties
Size Range	Various diameters and wall thicknesses as per ASTM A500 standards
Length	Standard lengths, customizable upon request
Ends	Plain ends, beveled ends, threaded, or socket-weld ends
Surface Treatment	As-rolled, annealed, or normalized

3. Mechanical Properties:

Property	Typical Requirements
Tensile Strength	Varies by grade, typically ≥ 415 MPa (60,000 psi)
Yield Strength	Varies by grade, typically ≥ 205 MPa (30,000 psi)
Elongation	Typically $\geq 20\%$ in 50 mm (2 in) or 4D, whichever is greater
Hardness	Varies depending on heat treatment

4. Chemical Composition:

Element	Typical Range (%)
Carbon	0.15 - 0.30
Manganese	0.45 - 1.60
Phosphorus	≤ 0.035
Sulfur	≤ 0.035
Silicon	≤ 0.35

5. Product Applications:

Structural Framing: Used in building and construction for structural framing.

Mechanical Equipment: Ideal for the manufacturing of mechanical equipment that requires structural support.

Piping Systems: Suitable for use in industrial piping systems for various fluids.

Bridges and Highways: Employed in the construction of bridges and highways for structural support.

Transmission Towers: Utilized in the construction of transmission towers for electrical power.

6. Product Advantages:

Seamless Construction: Offers a consistent material structure and eliminates potential seam-related failures.

High Strength-to-Weight Ratio: Provides excellent strength at a manageable weight, facilitating ease of handling and installation.

Corrosion Resistance: The carbon steel material offers inherent resistance to many corrosive substances.

Versatility: Available in various grades to meet different structural requirements.

Long Service Life: Built to last with minimal maintenance in challenging environments.





+8615131762322



BYpipe001@pipe-seamless.com



pipe-seamless.com

Room 512, Block B, Tiancheng Building, Yunhe District, Cangzhou City