



ASTM A106 ASME SA106 ASTM A53 GR.B Seamless Carbon Steel Tube

Our Product Introduction

Basic Information

- Place of Origin: cangzhou
- Brand Name: BaoYang
- Certification: CE & ISO
- Model Number: ASTM A106 ASME SA106 ASTM A53 GR.B
- 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: Seamless Carbon Steel Tube
- Process: Hot Rolled Cold Rolled Cold Drawn
- Standards: ASTM/ASME/DIN/En
- Material: Carbon Steel
- Wall Thickness: 1-20mm (0.04 Inch - 0.78 Inch)
- Outer Diameter: 6-2500mm
- Processing Service: Bending, Punching, Cutting
- Usage: Pipeline Transport, Oil/Gas Drilling, Machinery Industry
- Highlight: **a53 gr.b seamless carbon steel tube, astm seamless steel tube, astm seamless carbon steel tube**



Product Description

Seamless Carbon Steel Tubes ASTM A106/ASME SA106 and ASTM A53 Grade B

1. Product Description: ASTM A106/ASME SA106 and ASTM A53 Grade B Seamless Carbon Steel Tubes are premium-quality steel tubes engineered for high-temperature applications and general-purpose usage, respectively. These tubes are manufactured from carbon steel and are seamless, ensuring a uniform wall thickness and superior structural integrity. They are widely recognized for their strength, durability, and resistance to various service conditions.

2. Product Parameters:

Parameter	Description
Grades	ASTM A106/ASME SA106 (for high-temperature service), ASTM A53 Grade B (for general service)
Material	Seamless Carbon Steel
Standard	ASTM A106, ASME SA106, ASTM A53
Size Range	Various diameters and wall thicknesses as per ASTM 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	ASTM A106/ASME SA106 Requirement	ASTM A53 Grade B Requirement
Tensile Strength	≥415 MPa (60,000 psi)	≥415 MPa (60,000 psi)
Yield Strength	≥240 MPa (35,000 psi)	≥310 MPa (45,000 psi)
Elongation	≥20% in 50 mm (2 in)	≥20% in 50 mm (2 in)
Hardness	Varies depending on heat treatment	Varies depending on heat treatment

4. Chemical Composition:

Element	ASTM A106/ASME SA106 Range (%)	ASTM A53 Grade B Range (%)
Carbon	0.29 - 0.36	0.29 - 0.33
Manganese	0.35 - 0.60	0.35 - 0.60
Phosphorus	≤ 0.025	≤ 0.025
Sulfur	≤ 0.025	≤ 0.025
Silicon	≤ 0.35	≤ 0.35

5. Product Uses:

Oil and Gas Industry: Used for transporting oil, natural gas, and other fluids.

Boiler and Superheater Tubes: Suitable for high-temperature applications in boilers.

Structural and Mechanical Components: Employed in various structural and mechanical components due to their strength.

Piping Systems: Ideal for use in industrial piping systems for water, steam, and other fluids.

Pressure Vessels: Utilized in the construction of pressure vessels and heat exchangers.

6. Product Grade Standards:

ASTM A106/ASME SA106: These grades are specified for seamless carbon steel tubes suitable for high-temperature service.

ASTM A53 Grade B: This grade is intended for general-purpose applications where regular strength and good ductility are required.

Product Image



Company Profile

BAOYANG · CHINA COMPANY INFORMATION



Cangzhou BaoYang Pipe Industry Co., Ltd

Cangzhou Baoyang Pipe Industry Co., Ltd. is located in the Hope New Area of Mengcun County, Hebei Province, China's pipeline equipment base. It is an enterprise that integrates spot storage of steel pipes, production of pipe fittings, and sales and exports. Our company mainly operates seamless pipes made of special materials, and has long-term good cooperative relationships with major steel mills such as Tianjin Seamless, Hengyang Hualing, Yantai Lubao, Inner Mongolia Baosteel, Shanghai Baosteel, Jiangsu Chengde, Anhui Tianda, etc. Our products are widely used in pipeline engineering fields such as petroleum, petrochemical, chemical, natural gas, thermal power, boilers, etc

Factory Tour

Factory Picture

Cangzhou Baoyang Pipeline Co., Ltd



team introduction

OUR FRIENDS



Applications

BAOYANG · CHINA APPLICATION SCENARIOS



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