



ASTM A333 ASME SA333 GR.6 Seamless Carbon Steel Tube Hot Rolled

Our Product Introduction

Basic Information

- Place of Origin: cangzhou
- Brand Name: BaoYang
- Certification: CE & ISO
- Model Number: ASTM A333 ASME SA333 GR.6
- 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: American Standard 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: **seamless carbon steel tube hot rolled ,
astm seamless steel tube ,
astm seamless carbon steel tube**



Product Description

ASTM A333/ASME SA333 Grade 6 Seamless Carbon Steel Tubes

1. Product Description: ASTM A333/ASME SA333 Grade 6 Seamless Carbon Steel Tubes are engineered to provide exceptional performance in low-temperature applications. These tubes are manufactured without a seam, ensuring uniformity in material properties and structural integrity. They are specifically designed to maintain their mechanical properties at temperatures as low as -45°C (-49°F), making them ideal for cryogenic and freezing environments.

2. Product Parameters:

Parameter	Description
Grade	ASTM A333/ASME SA333 Grade 6
Material	Seamless Carbon Steel
Standard	ASTM A333, ASME SA333
Size Range	Various diameters and wall thicknesses as per ASTM/ASME 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. Product Advantages:

Seamless Construction: Ensures no weak points due to welding, providing better pressure resistance.

Low-Temperature Resistance: Retains mechanical properties at extremely low temperatures.

High Strength: Offers a balance of strength and ductility for demanding applications.

Uniform Quality: Consistent material properties throughout the tube length.

Corrosion Resistance: Provides resistance to various environmental conditions.

4. Mechanical Properties:

Property	Requirement
Tensile Strength	≥415 MPa (60,000 psi)
Yield Strength	≥240 MPa (35,000 psi)
Elongation	≥20% in 50 mm (2 in) for tubes ≤ 76 mm (3 in) in diameter
Impact Energy	Varies based on wall thickness and temperature service

5. Chemical Composition:

Element	Typical Range (%)
Carbon	0.26 - 0.34
Manganese	0.35 - 0.60
Phosphorus	≤ 0.025
Sulfur	≤ 0.025
Silicon	≤ 0.35

6. Product Uses:

Oil and Gas Industry: Used for transporting fluids in pipelines operating in arctic conditions.

Chemical Processing: Ideal for handling chemicals that require low-temperature storage and transport.

Refrigeration Systems: Employed in systems where low temperatures are essential for preservation.

Construction: Utilized in structural applications that demand high strength at low temperatures.

7. Executing Standards:

ASTM A333: The tubes are manufactured in compliance with ASTM A333, which specifies the standard for seamless and welded steel pipes for low-temperature service.

ASME SA333: This standard is referenced for the design and construction of piping systems intended for low-temperature service.

Conclusion: ASTM A333/ASME SA333 Grade 6 Seamless Carbon Steel Tubes are engineered to deliver reliable performance in challenging low-temperature environments. Their seamless construction and adherence to ASTM and ASME standards ensure that these tubes are suitable for a wide range of applications in the oil and gas, chemical processing, refrigeration, and construction industries. These tubes offer a durable and cost-effective solution for projects requiring materials that can withstand freezing temperatures.

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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