



ASTM A333 ASME SA333 Gr. 6 Low Pressure Carbon Steel Boiler Pipe 1-20mm Wall Thickness

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: Seamless Carbon Steel Tube
- Process: Hot Rolled Cold Rolled Cold Drawn
- Standards: ASTM A333 ASME SA333 Gr. 6
- 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: **low pressure carbon steel boiler pipe, a333 boiler steel pipe, a333 carbon steel boiler pipe**



Product Description

ASTM A333/ASME SA333 Grade 6 Low Pressure Carbon Boiler Steel Pipe

1. Product Description: ASTM A333/ASME SA333 Grade 6 Low Pressure Carbon Boiler Steel Pipes are designed for use in low-pressure boiler systems and other thermal applications. These pipes are manufactured from carbon steel and are seamless, ensuring uniform wall thickness and exceptional structural integrity. The Grade 6 specification indicates a particular level of mechanical properties that are suitable for moderate temperature and pressure conditions.

2. Product Parameters:

Parameter	Description
Grade	ASTM A333/ASME SA333 Grade 6
Material	Carbon Steel (Seamless)
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. 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) or 4D, whichever is greater
Hardness	Varies depending on heat treatment and processing

4. Chemical Composition:

Element	Typical Range (%)
Carbon	0.26 - 0.34
Manganese	0.35 - 0.65
Phosphorus	≤ 0.025
Sulfur	≤ 0.025
Silicon	≤ 0.35

5. Product Uses:

Boiler Tubes: Used in low-pressure boiler systems for steam generation.

Heat Exchangers: Employed in heat exchangers operating at moderate temperatures and pressures.

Process Piping: Suitable for use in process piping within chemical and petrochemical plants.

General Construction: Utilized in various construction projects where moderate temperature and pressure resistance is required.

6. Product Grade Standards:

ASTM A333: This standard specifies the requirements for seamless and welded steel pipes for low-temperature service.

ASME SA333: This standard is similar to ASTM A333 and is used in conjunction with ASME Boiler and Pressure Vessel Code.

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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