



ASTM A106 GR.B Steel Pipe Carbon Steel Seamless Pipe For High Temperature

Our Product Introduction

Basic Information

- Place of Origin: cangzhou
- Brand Name: BaoYang
- Certification: CE & ISO
- Model Number: ASTM A106 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: ASTM A106 GR.B Steel Pipe
- Technique: Hot-Rolled
- Standards: ASTM/ASME/DIN/En
- Material: Carbon Steel
- Wall Thickness: 1-20mm (0.04 Inch - 0.78 Inch)
- Outer Diameter: 13.7mm-609.6mm
- Processing Service: Bending, Punching, Cutting
- Usage: Boiler Pipe, Hydraulic/Automobile Pipe
- Highlight: **astm carbon steel seamless pipe, astm pipe carbon steel seamless, astm a106 carbon steel seamless pipe**



Product Description

ASTM A106 Grade B Seamless Carbon Steel Pipe for High-Temperature Applications

1. Definition: ASTM A106 Grade B Seamless Carbon Steel Pipe is a type of high-temperature service pipe that is manufactured to meet the standards outlined in ASTM A106. This grade of pipe is designed for use in high-temperature applications where the temperature can exceed 500°F (260°C). The seamless construction ensures a uniform internal and external surface without any weld seams.

2. Advantages:

Uniformity: Seamless pipes offer a consistent wall thickness and superior surface finish.

High-Temperature Resistance: Suitable for applications where temperatures are significantly high.

Pressure Resistance: Capable of withstanding high internal pressures.

Longevity: Designed for long-term use in demanding environments.

Corrosion Resistance: Provides resistance to corrosion in various industrial environments.

Wide Availability: Commonly available in a range of sizes and lengths.

3. Product Parameters:

Parameter	Description
Standard	ASTM A106 Grade B
Material	Seamless Carbon Steel
Size Range	Various diameters and wall thicknesses according to ASTM A106
Length	Typically 20 feet (6.1 meters), but can be customized
Ends	Plain ends, beveled ends, or threaded ends
Surface Treatment	As per customer requirements

4. Applications:

Boiler and Superheater Tubes: Used extensively in power plants and boilers.

Heat Exchangers: Employed in heat exchanger systems where high-temperature fluids are processed.

Refineries: Suitable for various high-temperature processes in oil refineries.

Chemical Processing Plants: Utilized in chemical plants for high-temperature chemical reactions.

Petrochemical Plants: Ideal for pipelines and equipment in petrochemical industries.

5. Mechanical Properties:

Property	Requirement
Tensile Strength	≥485 MPa (70,000 psi)
Yield Strength	≥240 MPa (35,000 psi)
Elongation	≥20% in 8 in (200 mm) or in 50 mm (2 in) for pipes ≤ 3 in (75 mm) in diameter
Hardness	Rockwell B 90 maximum (for pipes ≤ 2 in (50 mm) in diameter)

6. Chemical Composition:

Element	Typical Range (%)
Carbon	0.29 - 0.36
Manganese	0.35 - 0.65
Phosphorus	≤ 0.035
Sulfur	≤ 0.035
Silicon	≤ 0.35

7. Heat Treatment: ASTM A106 Grade B pipes are heat treated to ensure they meet the mechanical property requirements and to enhance their ductility and toughness.

Conclusion: ASTM A106 Grade B Seamless Carbon Steel Pipe is a reliable choice for high-temperature applications, offering a combination of strength, ductility, and corrosion resistance. Its seamless design and adherence to ASTM A106 standards make it suitable for a wide range of industrial applications where high temperatures are a critical factor.

Product Image

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PRODUCT DISPLAY



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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