



## ASME SA106b SA106c High Pressure Seamless Steel Boiler Pipe For Pipeline Transport

### Our Product Introduction

#### Basic Information

- Place of Origin: cangzhou
- Brand Name: BaoYang
- Certification: CE & ISO
- Model Number: ASME SA106b SA106c
- 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: ASME SA106b SA106c Carbon Steel Seamless Pipe
- Process: Hot-Rolled
- 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, Boiler Pipe, Hydraulic/Automobile Pipe
- Highlight: **high pressure seamless steel boiler pipe, asme carbon steel pipe seamless, asme seamless steel boiler pipe**



## Product Description

### ASME SA106 Grade B and Grade C High Pressure Seamless Steel Boiler Pipes: A Comprehensive Introduction

**1. Product Description:** ASME SA106 Grade B and Grade C High Pressure Seamless Steel Boiler Pipes are premium quality steel pipes designed for use in high-pressure boiler systems. These pipes are manufactured to the ASME (American Society of Mechanical Engineers) SA106 specification, which covers seamless carbon steel pipes for high-temperature service. The seamless design ensures uniformity in strength and durability, making them ideal for critical boiler applications.

#### 2. Product Parameters:

Parameter	Description
Grades	ASME SA106 Grade B and Grade C
Material	Seamless Carbon Steel
Standard	ASME SA106
Size Range	Wide range of diameters and wall thicknesses
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:** Provides a uniform wall thickness and eliminates the risk of seam-related failures.

**High-Pressure Rating:** Capable of withstanding the high pressures found in boiler systems.

**Thermal Shock Resistance:** Designed to handle rapid changes in temperature without failure.

**Long Service Life:** Built to last with minimal maintenance in demanding conditions.

**Corrosion Resistance:** Offers resistance to corrosion, reducing the need for frequent replacements.

#### 4. Product Uses:

**Boiler Tubes:** Used in the construction of high-pressure boilers in power plants and industrial facilities.

**Superheater and Reheater Tubes:** Employed in the superheater and reheater sections of steam power plants.

**Heat Exchangers:** Suitable for use in heat exchangers operating under high pressure and temperature.

**Petrochemical Industry:** Utilized in pipelines and equipment within the petrochemical industry.

#### 5. Executing Standards:

**ASME SA106:** The pipes are manufactured in compliance with the ASME SA106 standard, ensuring quality and performance.

#### 6. Mechanical Properties:

Property	ASME SA106 Grade B	ASME SA106 Grade C
Tensile Strength	≥485 MPa (70,000 psi)	≥485 MPa (70,000 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	Rockwell B 90 max (optional)	Rockwell B 90 max (optional)

#### 7. Chemical Composition:

Element	ASME SA106 Grade B Range (%)	ASME SA106 Grade C Range (%)
Carbon	0.29 - 0.36	0.29 - 0.36
Manganese	0.35 - 0.60	0.35 - 0.60
Phosphorus	≤ 0.035	≤ 0.035
Sulfur	≤ 0.035	≤ 0.035
Silicon	≤ 0.35	≤ 0.35

**Conclusion:** ASME SA106 Grade B and Grade C High Pressure Seamless Steel Boiler Pipes are engineered to meet the rigorous demands of high-pressure boiler systems. Their seamless design, combined with their mechanical and chemical properties, ensures that these pipes provide a reliable and durable solution for critical applications in the power generation and petrochemical industries. Adherence to ASME SA106 standards guarantees quality and performance, making these pipes a preferred choice for high-pressure boiler applications.

#### Product Image



## Company Profile

# BAOYANG · CHINA COMPANY INFORMATION

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## 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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