



## ASME SA106b SA106c High Pressure Boiler Steel Pipe Tube / Cs Smls Pipe

### 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: High Pressure Boiler Steel Pipe
- Process: Hot Rolled Cold Rolled Cold Drawn
- Standards: ASME SA106b SA106c
- 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: sa106c high pressure boiler steel pipe,  
sa106b cs smls pipe,  
sa106b high pressure boiler steel pipe



## Product Description

### ASME SA106 Grade B and Grade C High Pressure Seamless Boiler Steel Tubes

**1. Product Description:** ASME SA106 Grade B and Grade C High Pressure Seamless Boiler Steel Tubes are designed for use in high-pressure boiler systems where reliability and safety are paramount. These tubes are manufactured from carbon steel and are seamless, providing uniform wall thickness and excellent mechanical properties. The distinction between Grade B and Grade C lies in their respective mechanical property requirements, with Grade C offering higher strength for more demanding applications.

#### 2. Product Parameters:

Parameter	Description
Grades	ASME SA106 Grade B and Grade C
Material	Carbon Steel (Seamless)
Standard	ASME SA106
Size Range	Various diameters and wall thicknesses as per ASME SA106
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	ASME SA106 Grade B Requirement	ASME SA106 Grade C Requirement
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	Varies depending on heat treatment	Varies depending on heat treatment

#### 4. Chemical Composition:

Element	Typical Range (%) for ASME SA106 Grades
Carbon	0.29 - 0.36
Manganese	0.35 - 0.60
Phosphorus	≤ 0.025
Sulfur	≤ 0.025
Silicon	≤ 0.35

#### 5. Product Uses:

**Boiler Tubes:** Utilized in high-pressure boilers for steam generation.

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

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

**Pressure Vessels:** Ideal for construction of high-pressure vessels and reactors.

#### 6. Product Grade Standards:

**ASME SA106:** This standard specifies the requirements for seamless carbon steel pipes for high-temperature service, including Grades B and C.

#### 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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