



## High Pressure Seamless Carbon Steel Boiler Tubes ASTM SA106 Carbon Steel Pipe

Our Product Introduction

### Basic Information

- Place of Origin: cangzhou
- Brand Name: BaoYang
- Certification: CE & ISO
- Model Number: ASTM SA106
- 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 Steam Steel Boiler Pipes/Tubes
- Process: Hot Rolled Cold Rolled Cold Drawn
- Material: Carbon Steel
- Wall Thickness: 1-20mm (0.04 Inch - 0.78 Inch)
- Processing Service: Bending, Punching, Cutting
- Usage: Pipeline Transport, Oil/Gas Drilling, Machinery Industry
- Highlight: **sa106 carbon steel boiler pipe, sa106 carbon steel boiler tubes, cold drawn carbon steel boiler pipe**



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## Product Description

### ASTM SA106 High Pressure Seamless Carbon Steel Boiler Tubes

ASTM SA106 High Pressure Seamless Carbon Steel Boiler Tubes are widely used in the power generation and industrial boiler industries for high-pressure and high-temperature applications. These seamless carbon steel tubes adhere to the specifications outlined in the ASTM A106 standard, ensuring their quality and performance in demanding boiler systems.

Standard: ASTM A106

Grade: SA106

#### Application:

ASTM SA106 High Pressure Seamless Carbon Steel Boiler Tubes are primarily used in boiler systems and high-pressure piping applications, including:

**Power Plants:** These tubes are essential components in power generation boilers, where they facilitate the efficient transfer of heat from the burning fuel to the water/steam.

**Industrial Boilers:** They are employed in various industrial boiler systems that require high-pressure and high-temperature capabilities, such as in chemical, petrochemical, and manufacturing plants.

#### Chemical Composition:

| Element        | Composition Range (%) |
|----------------|-----------------------|
| Carbon (C)     | 0.25 max              |
| Manganese (Mn) | 0.27-0.93             |
| Phosphorus (P) | 0.035 max             |
| Sulfur (S)     | 0.035 max             |
| Silicon (Si)   | 0.10 min              |

#### Mechanical Properties:

| Property         | Minimum Value        |
|------------------|----------------------|
| Tensile Strength | 70,000 psi (485 MPa) |
| Yield Strength   | 40,000 psi (275 MPa) |
| Elongation       | 30% minimum          |
| Hardness (HRb)   | 60 maximum           |

Note: The mechanical properties are tested on the transverse specimens as per ASTM A106 requirements.

#### Product Features:

**High Pressure Resistance:** ASTM SA106 tubes are designed to withstand high pressures encountered in boiler systems, ensuring safe and efficient operation.

**High-Temperature Resistance:** These tubes exhibit excellent resistance to high temperatures, making them suitable for applications involving superheated steam or hot gases.

**Seamless Construction:** The seamless manufacturing process eliminates weld seams, enhancing the tubes' strength, reliability, and resistance to leaks.

**Corrosion Resistance:** The carbon steel composition provides good resistance against corrosion in boiler environments.

**Precision Dimensions:** ASTM SA106 tubes are manufactured with precise dimensions, ensuring compatibility and ease of installation in boiler systems.

#### 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



Cangzhou Baoyang Pipeline Equipment Co., Ltd.



+8615131762322



BYpipe001@pipe-seamless.com



pipe-seamless.com

Room 512, Block B, Tiancheng Building, Yunhe District, Cangzhou City