



## Boiler Seamless Alloy Steel Pipe ASTM A213/ASME SA213 T12 alloy steel tube

### Our Product Introduction

#### Basic Information

- Place of Origin: cangzhou
- Brand Name: BaoYang
- Certification: CE & ISO
- Model Number: ASTM A213/ASME SA213 T12
- 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 Alloy Steel Pipes
- Process: Hot Rolled Cold Rolled Cold Drawn
- Standards: ASTM A213/ASME SA213 T12
- Material: Alloy Steel Pipe
- Wall Thickness: 1-30mm (0.04 Inch - 0.78 Inch)
- Outer Diameter: 10-324mm
- Processing Service: Bending, Punching, Cutting
- Usage: Pipeline Transport, Oil/Gas Drilling, Machinery Industry
- Highlight: **seamless alloy steel pipe astm ,  
t12 alloy steel tube,  
seamless alloy steel pipe astm a213**



## Product Description

### ASTM A213/ASME SA213 T12 Seamless Alloy-Steel Boiler Pipes: Advanced Tubing for High-Temperature Applications

**1. Product Description:** ASTM A213/ASME SA213 T12 Seamless Alloy-Steel Boiler Pipes are high-quality tubes designed for use in boiler applications that require high strength and resistance to high temperatures. These pipes are manufactured from alloy steel that provides excellent creep resistance and ductility. The seamless construction ensures uniform wall thickness and superior structural integrity, making them ideal for critical boiler components.

#### 2. Product Parameters:

Parameter	Description
Grade	ASTM A213/ASME SA213 T12
Material	Alloy Steel (Seamless)
Standard	ASTM A213, ASME SA213
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	Typical Requirements
Tensile Strength	≥415 MPa (60,000 psi)
Yield Strength	≥205 MPa (30,000 psi)
Elongation	≥30% in 50 mm (2 in) or 4D, whichever is greater
Hardness	Varies depending on heat treatment

#### 4. Chemical Composition:

Element	Typical Range (%)
Carbon	≤0.12
Manganese	≤0.50
Phosphorus	≤0.025
Sulfur	≤0.025
Silicon	≤0.50
Chromium	9.0 - 11.0

#### 5. Product Applications:

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

**Superheater Tubes:** Employed in superheater sections to raise steam temperature.

**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.

**Gas and Oil Industry:** Utilized in pipelines and equipment for oil and natural gas transport where high-temperature resistance is required.

#### 6. Product Advantages:

**Seamless Construction:** Provides a consistent material structure and eliminates potential seam-related failures.

**High-Temperature Resistance:** Alloy steel offers excellent resistance to high temperatures and thermal cycling.

**Creep Resistance:** Designed to resist deformation under prolonged exposure to heat, which is critical in boiler applications.

**Corrosion Resistance:** The alloy content enhances the pipes' resistance to corrosion and oxidation.

**Long Service Life:** Built to last with minimal maintenance in harsh environments.

**7. Conclusion:** ASTM A213/ASME SA213 T12 Seamless Alloy-Steel Boiler Pipes are engineered to deliver reliable performance in high-temperature and high-pressure environments. Their seamless design and alloy composition ensure a combination of strength, ductility, and corrosion resistance that is necessary for demanding applications in the power generation and petrochemical industries. These pipes offer a durable and cost-effective solution for maintaining efficiency and safety in thermal applications.

## Product Image

Cangzhou Baoyang Pipeline Co., Ltd







**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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