



## ASTM A210 / ASME SA210 Grade C Seamless Carbon Pipe / Carbon Steel Round Tube

### Our Product Introduction

#### Basic Information

- Place of Origin: cangzhou
- Brand Name: BaoYang
- Certification: CE & ISO
- Model Number: ASTM A210 / ASME SA210 Grade C
- 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 Carbon Steel Tube
- Process: Hot Rolled Cold Rolled Cold Drawn
- Standards: ASTM A210 / ASME SA210 Grade C
- 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: **grade c seamless carbon pipe, astm seamless carbon pipe, astm carbon steel round tube**



## Product Description

### ASTM A210/ASME SA210 Grade C Carbon Steel Seamless Tubes: High-Temperature Performance

**1. Product Description:** ASTM A210/ASME SA210 Grade C Carbon Steel Seamless Tubes are designed for high-temperature applications that demand a balance of strength and ductility. These tubes are manufactured from carbon steel and are seamless, ensuring a uniform wall thickness and superior resistance to internal pressures. They are widely used in boiler, superheater, and heat exchanger applications where reliability and durability are critical.

#### 2. Product Parameters:

Parameter	Description
Grade	ASTM A210/ASME SA210 Grade C
Material	Carbon Steel (Seamless)
Standard	ASTM A210, ASME SA210
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	Requirement
Tensile Strength	≥415 MPa (60,000 psi)
Yield Strength	≥240 MPa (35,000 psi)
Elongation	≥20% in 50 mm (2 in) or 4D, whichever is greater
Hardness	Typically Rockwell B 90 max for pipes ≤ 2 in (50 mm) in diameter

#### 4. Chemical Composition:

Element	Typical Range (%)
Carbon	0.15 - 0.30
Manganese	0.35 - 0.60
Phosphorus	≤ 0.025
Sulfur	≤ 0.025
Silicon	≤ 0.35

#### 5. Product Uses:

**Boiler Tubes:** Used in power and industrial 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:** Utilized in the construction of high-pressure vessels and reactors.

**Refineries:** Ideal for high-temperature pipelines and components in oil refineries.

#### 6. Product Grade Standards:

**ASTM A210:** This standard specifies the requirements for seamless ferritic and austenitic-ferritic alloy-steel boiler, superheater, and heat-exchanger tubes.

**ASME SA210:** This standard is similar to ASTM A210 and is used in the context of mechanical engineering and boiler and pressure vessel codes.

#### 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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