



ASTM A210 210C Seamless American Standard Carbon Steel Round Pipe Cold Rolled Cold Drawn

Our Product Introduction

Basic Information

- Place of Origin: cangzhou
- Brand Name: BaoYang
- Certification: CE & ISO
- Model Number: ASTM A210 210C
- 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: ASTM A210 210C American Standard Steel Pipes
- Process: Hot Rolled Cold Rolled Cold Drawn
- Standards: ASTM/ASME/DIN/En
- Material: A53 Gr/A GRB, 106 GR.A GR.B
- 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: **carbon steel round pipe cold rolled ,
astm carbon steel api pipe ,
astm carbon steel round pipe**



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Product Description

ASTM A210 Grade 210C Seamless American Standard Pipe

1. Product Description: ASTM A210 Grade 210C Seamless American Standard Pipe is a type of carbon steel pipe designed for use in high-temperature applications. These pipes are manufactured to meet the specifications outlined in the ASTM A210 standard, which is recognized for its focus on seamless ferritic and austenitic steel boiler, superheater, and heat-exchanger tubes. The 'C' in Grade 210C indicates a specific grade within the ASTM A210 standard, known for its balance of strength and ductility.

2. Product Parameters:

| Parameter | Description |
|-------------------|---|
| Grade | ASTM A210 Grade 210C |
| Material | Seamless Carbon Steel |
| Standard | ASTM A210 |
| Size Range | Various diameters and wall thicknesses as per ASTM A210 |
| 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 uniform wall thickness and enhanced resistance to pressure.

High-Temperature Service: Suitable for applications where temperatures can reach into the hundreds of degrees Celsius.

Reliability: Manufactured to meet ASTM standards, ensuring consistent quality.

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. 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 |

5. Chemical Composition:

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

6. Product Uses:

Boiler Tubes: Used in the construction of industrial and power boilers.

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.

Refineries: Utilized in pipelines and equipment within oil refineries.

Chemical Processing Plants: Ideal for high-temperature chemical processing applications.

7. Executing Standards:

ASTM A210: The pipes are manufactured in compliance with the ASTM A210 standard, which specifies the requirements for seamless ferritic and austenitic-ferritic alloy-steel boiler, superheater, and heat-exchanger tubes.

Conclusion: ASTM A210 Grade 210C Seamless American Standard Pipe is engineered for high-temperature and high-pressure applications, offering a combination of strength, ductility, and corrosion resistance. Their seamless design and adherence to ASTM A210 standards make them suitable for a wide range of applications in the power generation, petrochemical, and chemical processing industries. These pipes provide a reliable and durable solution for critical applications where safety and efficiency are paramount.

Product Image



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

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