



ASTM A210 SA210 Grade C Hot Rolled Carbon Steel Pipe Boiler Superheater Pipes

Our Product Introduction

Basic Information

- Place of Origin: cangzhou
- Brand Name: BaoYang
- Certification: CE & ISO
- Model Number: ASTM A210 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: AASTM A210 SA210 Grade C Carbon Steel Seamless Pipe
- Process: Hot-Rolled
- Standards: ASTM/ASME/DIN/En
- 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, Boiler Pipe, Hydraulic/Automobile Pipe
- Highlight: **grade c hot rolled carbon steel pipe ,
astm hot rolled carbon steel pipe ,
astm hot rolled seamless steel pipe**



Product Description

ASTM A210 Grade C Seamless Carbon Steel Boiler and Superheater Pipes

1. Product Description: ASTM A210 Grade C Seamless Carbon Steel Boiler and Superheater Pipes are high-quality, seamless pipes engineered for use in boiler and superheater applications. They are manufactured from carbon steel that meets the stringent requirements of ASTM A210, a standard that specifies seamless ferritic and austenitic alloy-steel boiler, superheater, and heat-exchanger tubes.

2. Product Parameters:

Parameter	Description
Grade	ASTM A210 Grade C
Material	Seamless Carbon Steel
Standard	ASTM A210
Size Range	Various diameters and wall thicknesses
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 Design: Provides uniform wall thickness and eliminates potential seam-related failures.

High-Temperature Resistance: Suitable for use in high-temperature environments typical of boilers and superheaters.

Pressure Resistance: Capable of withstanding high pressures, essential for power generation.

Long Service Life: Designed for durability and long-term use in demanding conditions.

Corrosion Resistance: Offers resistance to corrosion, reducing maintenance and replacement costs.

4. Product Uses:

Boiler Tubes: Used in the construction of industrial and power boilers where high temperatures and pressures are common.

Superheater Tubes: Employed in the superheater sections of steam power plants to further raise steam temperature.

Heat Exchangers: Suitable for use in heat exchangers operating under high-temperature conditions.

Refinery Equipment: Utilized in pipelines and equipment within oil refineries that require high-temperature and pressure resistance.

5. Executing Standards:

ASTM A210: The pipes are manufactured in compliance with the ASTM A210 standard, ensuring quality and performance.

6. 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	Rockwell B 90 maximum for pipes ≤ 2 in (50 mm) in diameter

7. Chemical Composition:

Element	Typical Range (%)
Carbon	0.15 - 0.30
Manganese	0.35 - 0.60
Phosphorus	≤ 0.025
Sulfur	≤ 0.025
Silicon	≤ 0.50

Conclusion: ASTM A210 Grade C Seamless Carbon Steel Boiler and Superheater Pipes are engineered to provide exceptional performance in high-temperature and high-pressure environments. Their seamless construction and adherence to ASTM A210 standards make them suitable for a wide range of applications in the power generation and petrochemical industries. These pipes offer 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

OUR FRIENDS



Applications

BAOYANG · CHINA APPLICATION SCENARIOS



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