ASTM A210 ASME SA210 GRADE C High Pressure Boiler Steel Tubes

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: High Pressure Boiler Steel Pipe
- 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: **sa210 boiler tube suppliers**, **sa210 high pressure boiler steel pipe**, **astm a210 boiler tube suppliers**

Product Description

ASTM A210/ASME SA210 Grade C High Pressure Boiler Steel Tubes

1. Product Description: ASTM A210/ASME SA210 Grade C High Pressure Boiler Steel Tubes are designed for use in high-pressure boiler systems and other thermal applications. These tubes are manufactured from carbon steel and are seamless, providing uniform wall thickness and excellent mechanical properties. The Grade C specification indicates a balance of strength and ductility, making these tubes suitable for applications that demand both high pressure resistance and the ability to withstand thermal cycling.

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 tubes ≤ 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 high-pressure steam generation.

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

Heat Exchangers: Suitable for use in heat exchangers operating under high pressure and temperature.

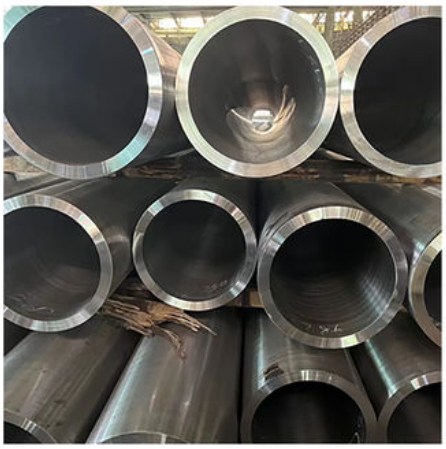
Pressure Vessels: Ideal for construction of high-pressure vessels and reactors in petrochemical and refining industries.

6. Product Grade Standards:

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

ASME SA210: This standard is similar to ASTM A210 and is used in conjunction with ASME Boiler and Pressure Vessel Code.

Product Image



Company Profile

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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

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APPLICATION SCENARIOS

+8615131762322 info@baoyangpipe.com pipe-seamless.com

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