



SA210M GR.C Carbon Steel Seamless Pipe High Pressure Boiler Pipe

Basic Information

- Place of Origin: cangzhou
- Brand Name: BaoYang
- Certification: CE & ISO
- Model Number: SA210M GR.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: SA210M GR.C High Pressure Boiler Pipe
- Process: Hot-Rolled
- Standards: ASTM/ASME/DIN/En
- Material: Carbon Steel
- Wall Thickness: 1-20mm (0.04 Inch - 0.78 Inch)
- Outer Diameter: 13.7mm-609.6mm
- Processing Service: Bending, Punching, Cutting
- Usage: Boiler Pipe, Hydraulic/Automobile Pipe
- Highlight: gr.c carbon steel seamless pipe,
sa210m gr.c carbon steel seamless pipe,
sa210m high pressure boiler pipe



Product Description

SA210M Gr.C Carbon Steel Seamless High Pressure Boiler Pipes

1. Product Description:

SA210M Gr.C Carbon Steel Seamless High Pressure Boiler Pipes are designed for use in high-pressure boiler systems where reliability and durability are paramount. These pipes are manufactured from carbon steel and are seamless, meaning they are formed from a single piece of steel without any welded joints. The seamless construction provides superior strength and resistance to pressure compared to welded pipes.

2. Product Parameters:

Parameter	Description
Grade	SA210M Gr.C
Material	Carbon Steel (Seamless)
Standard	ASME SA210M
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	Normally supplied in the as-rolled condition

3. Product Advantages:

Seamless Construction: Provides uniform wall thickness and eliminates potential leak points.

High Pressure Rating: Capable of withstanding high pressures in boiler applications.

Thermal Shock Resistance: Designed to handle rapid changes in temperature.

Long Service Life: Built to last with minimal maintenance in demanding conditions.

Corrosion Resistance: Offers good resistance to corrosion, reducing the need for frequent replacements.

4. Product Uses:

Boiler Tubes: Used in the construction of high-pressure boilers in power plants.

Superheater and Reheater Tubes: Employed in superheater and reheater sections of steam power plants.

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

Refinery Equipment: Utilized in pipelines and equipment within oil refineries.

5. Executing Standards:

ASME SA210M: The pipes are manufactured in compliance with the ASME SA210M standard, which specifies the requirements for seamless ferritic and austenitic steel boiler, superheater, and heat-exchanger tubes.

6. Mechanical Properties:

Property	Typical Values
Tensile Strength	≥415 MPa (60,000 psi)
Yield Strength	≥240 MPa (35,000 psi)
Elongation	≥20% in 50 mm (2 in) for pipes ≤ 76 mm (3 in) in diameter
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: SA210M Gr.C Carbon Steel Seamless High Pressure Boiler Pipes are engineered to meet the rigorous demands of high-pressure boiler systems. Their seamless design, combined with their mechanical and chemical properties, ensures that these pipes provide a reliable and durable solution for critical applications in the power generation and petrochemical industries. Adherence to ASME SA210M standards guarantees quality and performance, making these pipes a preferred choice for high-pressure boiler applications.

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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