



High Pressure Seamless Alloy Steel Boiler Steel Pipe ASME SA335 P11 P22 P91 P12 P92 P5 P9

Our Product Introduction

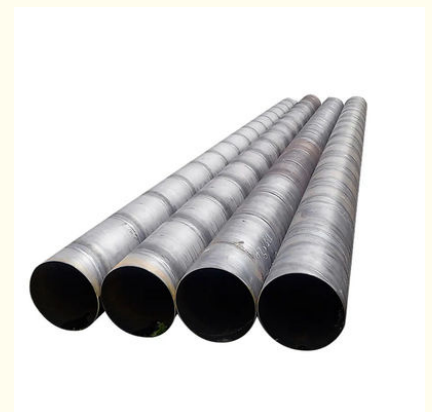
Basic Information

- Place of Origin: cangzhou
- Brand Name: BaoYang
- Certification: CE & ISO
- Model Number: ASME SA335 P11 P22 P91 P12 P92 P5 P9
- 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: ASME SA335 P11 P22 P91 P12 P92 P5 P9
- 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: **sa335 boiler steel pipe, sa335 boiler seamless steel pipe, p11 boiler steel pipe**



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Product Description

High Pressure Seamless Boiler Alloy Steel Pipe ASME SA335 P11, P22, P91, P12, P92, P5, P9

1. Product Description: High Pressure Seamless Boiler Alloy Steel Pipe ASME SA335 P11, P22, P91, P12, P92, P5, and P9 are premium-grade alloy steel pipes designed for applications requiring exceptional strength and resistance to high temperatures and pressures. These seamless pipes are manufactured to the ASME SA335 standard, which ensures their suitability for use in boiler, superheater, and heat exchanger applications.

2. Product Parameters:

Parameter	Description
Grades	ASME SA335 P11, P22, P91, P12, P92, P5, P9
Material	Alloy Steel (Seamless)
Standard	ASME SA335
Size Range	Various diameters and wall thicknesses as per ASME SA335
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 by Grade
Tensile Strength	Varies by grade, typically from ≥ 415 MPa to ≥ 620 MPa (60,000 to 90,000 psi)
Yield Strength	Varies by grade, typically from ≥ 205 MPa to ≥ 415 MPa (30,000 to 60,000 psi)
Elongation	Typically $\geq 20\%$ in 50 mm (2 in) or 4D, whichever is greater
Hardness	Varies depending on heat treatment and specific grade

4. Chemical Composition:

Element	Typical Range (%) by Grade (Examples)
Carbon	Varies, e.g., P11: 0.05-0.15
Chromium	Some grades contain chromium, e.g., P91: 8.00-9.50
Molybdenum	Varies, e.g., P22: 0.40-0.50
Phosphorus	≤ 0.025 (common across grades)
Sulfur	≤ 0.025 (common across grades)
Silicon	Typically ≤ 0.50

5. Product Uses:

Boiler Tubes: Used for steam generation in high-pressure boilers.

Superheater Tubes: Employed in superheater sections to raise 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 various industries.

6. Product Grade Standards:

ASME SA335: This standard specifies the requirements for seamless ferritic and austenitic alloy-steel boiler, superheater, and heat-exchanger tubes. The grades P11, P22, P91, P12, P92, P5, and P9 are particularly designed to offer varying levels of strength and temperature resistance.

Conclusion: High Pressure Seamless Boiler Alloy Steel Pipe ASME SA335 P11, P22, P91, P12, P92, P5, and P9 are engineered to provide a combination of high strength, ductility, and corrosion resistance suitable for extreme thermal conditions. Their seamless construction and adherence to ASME SA335 standards ensure reliability and durability for critical applications in the power and industrial sectors.

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

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Cangzhou Baoyang Pipeline Equipment Co., Ltd.



+8615131762322



BYpipe001@pipe-seamless.com



pipe-seamless.com

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