



ASTM A335/ASME SA335 Grade P5 Alloy Seamless Steel Pipe / Alloy Steel Pipes

Our Product Introduction

Basic Information

- Place of Origin: cangzhou
- Brand Name: BaoYang
- Certification: CE & ISO
- Model Number: ASTM A335 Grade P5
- 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: Seamless Alloy Steel Pipes
- Process: Hot Rolled Cold Rolled Cold Drawn
- Standards: ASTM A335/ASME SA335 P5
- Material: Alloy Steel Pipe
- Wall Thickness: 1-30mm (0.04 Inch - 0.78 Inch)
- Outer Diameter: 10-324mm
- Processing Service: Bending, Punching, Cutting
- Usage: Pipeline Transport, Oil/Gas Drilling, Machinery Industry
- Highlight: **grade p5 alloy seamless steel pipe, astm alloy steel pipes, astm alloy seamless steel pipe**



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Product Description

ASTM A335 Grade P5 Alloy Steel Seamless Pipes/Tubes: High-Performance Tubing for Industrial Applications

1. Product Description: ASTM A335 Grade P5 Alloy Steel Seamless Pipes/Tubes are engineered to provide exceptional strength and durability for a range of industrial applications. These pipes and tubes are manufactured from alloy steel that is seamless, ensuring uniform wall thickness and superior structural integrity. The P5 grade is specifically designed for high-temperature applications, offering excellent creep resistance and stress-rupture properties.

2. Product Parameters:

Parameter	Description
Grade	ASTM A335 Grade P5
Material	Alloy Steel (Seamless)
Standard	ASTM A335
Size Range	Various diameters and wall thicknesses as per ASTM A335
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	Typical Requirements
Tensile Strength	≥415 MPa (60,000 psi)
Yield Strength	≥205 MPa (30,000 psi)
Elongation	≥30% in 50 mm (2 in) or 4D, whichever is greater
Hardness	Varies depending on heat treatment

4. Chemical Composition:

Element	Typical Range (%)
Carbon	≤0.12
Manganese	≤0.50
Phosphorus	≤0.025
Sulfur	≤0.025
Silicon	≤0.50
Chromium	8.00 - 9.50
Molybdenum	0.40 - 0.60

5. Product Applications:

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

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

Superheater Tubes: Employed in superheater sections to increase steam temperature.

Pressure Vessels: Suitable for construction of high-pressure vessels and reactors.

Gas and Oil Industry: Utilized in pipelines and equipment for oil and natural gas transport.

6. Product Advantages:

Seamless Construction: Provides a consistent material structure and eliminates potential seam-related failures.

High-Temperature Resistance: Alloy steel composition offers excellent resistance to high temperatures and thermal cycling.

Creep Resistance: Designed to resist deformation under prolonged exposure to heat.

Corrosion Resistance: Enhanced resistance to corrosion and oxidation due to alloy content.

Long Service Life: Built to last with minimal maintenance in challenging environments.

7. Conclusion: ASTM A335 Grade P5 Alloy Steel Seamless Pipes/Tubes are engineered for high-temperature and high-pressure applications, offering a combination of strength, ductility, and corrosion resistance. Their seamless design and adherence to ASTM A335 ensure that these pipes and tubes provide a reliable and durable solution for various industrial applications, including power generation, petrochemical, and heavy machinery.

Product Image

Cangzhou Baoyang Pipeline Co., Ltd





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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