



ASTM A106 ASME SA106 ASTM GR.B A53 Seamless Pipe American Standard

Our Product Introduction

Basic Information

- Place of Origin: cangzhou
- Brand Name: BaoYang
- Certification: CE & ISO
- Model Number: ASTM A106 ASME SA106 ASTM A53 GR.B
- 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: ASTM A106 ASME SA106 ASTM A53 GR.B Steel Pipes
- Process: Hot Rolled Cold Rolled Cold Drawn
- Standards: ASTM/ASME/DIN/En
- Material: A53 Gr/A GRB, 106 GR.A GR.B
- Wall Thickness: 1-20mm (0.04 Inch - 0.78 Inch)
- Outer Diameter: 6-2500mm
- Processing Service: Bending, Punching, Cutting
- Usage: Casing Tube Boiler Pipe
- Highlight: **astm a53 seamless pipe,
astm a106b seamless pipe,
asme a53 seamless pipe**



Product Description

ASTM A106/ASME SA106 and ASTM A53 Grade B - American Standard Carbon Steel Pipes

1. Product Description: American Standard Carbon Steel Pipes, including ASTM A106 and ASME SA106, as well as ASTM A53 Grade B, are widely used in various industrial applications due to their strength and versatility. These pipes are manufactured from carbon steel and are available in both seamless and welded (ERW - Electric Resistance Welded) forms. They are designed to meet the specifications of the American Society for Testing and Materials (ASTM) and the American Society of Mechanical Engineers (ASME).

2. Product Parameters:

Parameter	Description
Grades	ASTM A106/ASME SA106 (Seamless), ASTM A53 Grade B (Seamless and Welded)
Material	Carbon Steel
Standard	ASTM A106, ASME SA106, ASTM A53
Size Range	Various diameters and wall thicknesses as per ASTM standards
Length	Standard lengths, customizable upon request
Ends	Plain ends, beveled ends, threaded, or socket-weld ends
Surface Treatment	As-rolled, normalized, or annealed

3. Product Advantages:

Uniform Quality: Consistent material properties throughout the length of the pipe.

High Strength: Capable of withstanding high pressures and loads.

Versatility: Available in seamless and welded options to suit different applications.

Cost-Effective: Offers a balance of performance and affordability.

Corrosion Resistance: Adequate resistance to corrosion for many industrial environments.

4. Product Uses:

Oil and Gas Industry: Used for transporting oil, gas, and other fluids in pipelines.

Structural Applications: Employed as structural components in construction projects.

Mechanical Equipment: Suitable for manufacturing various mechanical equipment.

Piping Systems: Ideal for use in industrial piping systems for water, steam, and other fluids.

Pressure Vessels: Utilized in the construction of pressure vessels and boilers.

5. Executing Standards:

ASTM A106: Specifies the requirements for seamless carbon steel pipes for high-temperature service.

ASME SA106: Similar to ASTM A106, used in the context of mechanical engineering.

ASTM A53: Covers both seamless and welded carbon steel pipes, suitable for mechanical and pressure applications.

6. Mechanical Properties:

Property	ASTM A106/ASME SA106 Requirement	ASTM A53 Grade B Requirement
Tensile Strength	≥415 MPa (60,000 psi)	≥415 MPa (60,000 psi)
Yield Strength	≥240 MPa (35,000 psi)	≥310 MPa (45,000 psi)
Elongation	≥20% in 50 mm (2 in)	≥20% in 50 mm (2 in)
Hardness	Varies depending on heat treatment	Varies depending on heat treatment

7. Chemical Composition:

Element	ASTM A106/ASME SA106 Range (%)	ASTM A53 Grade B Range (%)
Carbon	0.29 - 0.36	0.29 - 0.36
Manganese	0.40 - 0.60	0.40 - 0.60
Phosphorus	≤ 0.035	≤ 0.035
Sulfur	≤ 0.035	≤ 0.035
Silicon	≤ 0.35	≤ 0.35

Conclusion: ASTM A106/ASME SA106 and ASTM A53 Grade B American Standard Carbon Steel Pipes are engineered to provide a reliable and cost-effective solution for a variety of high-temperature and pressure applications. Their adherence to ASTM and ASME standards ensures uniform quality and performance. These pipes are suitable for use in the oil and gas industry, construction, mechanical equipment, piping systems, and pressure vessels, offering a versatile option for many industrial needs.

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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