



Astm A106/A 106m Gr. B Carbon Steel Seamless Pipe For Hydraulic Automobile Pipe

Our Product Introduction

Basic Information

- Place of Origin: cangzhou
- Brand Name: BaoYang
- Certification: CE & ISO
- Model Number: Astm A106/A 106m 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/A 106m Gr. B Steel Pipe
- Technique: 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: **astm a53 carbon steel pipe, astm carbon steel seamless pipe, a106/a a53 carbon steel pipe**



Product Description

ASTM A106/A106M Grade B Seamless Carbon Steel Pipes

1. Definition:

ASTM A106/A106M Grade B Seamless Carbon Steel Pipes are high-quality pipes manufactured to meet the stringent requirements of the ASTM A106/A106M standard. These pipes are seamless, meaning they are made from a single piece of steel without any welds or seams. They are specifically designed for high-temperature applications and are widely used in various industries due to their durability and strength.

2. Advantages:

Seamless Construction: Provides uniformity and eliminates the risk of seam-related failures.

High-Temperature Tolerance: Designed to withstand temperatures exceeding 500°F (260°C).

Pressure Resistance: Capable of withstanding high internal pressures, making them suitable for pressurized systems.

Long Service Life: Built to last in demanding environments with consistent performance.

Corrosion Resistance: Offers resistance to corrosion, reducing maintenance and replacement costs.

Wide Range of Sizes: Available in various diameters and wall thicknesses to suit different applications.

3. Product Parameters:

Parameter	Description
Standard	ASTM A106/A106M Grade B
Material	Seamless Carbon Steel
Size Range	Diameters from 1/8 inch to 24 inches and wall thicknesses as per ASTM A106/A106M
Length	Standard lengths up to 40 feet, customizable upon request
Ends	Plain ends, beveled ends, threaded, or socket-weld ends
Surface Treatment	Normalizing, annealing, or as specified by customer

4. Applications:

Oil and Gas Industry: Used for transporting oil, gas, and other fluids at high temperatures.

Power Plants: Employed in steam lines and other high-temperature systems within power generation facilities.

Chemical Processing: Suitable for handling corrosive chemicals and high-temperature processes.

Boiler Systems: Ideal for use in boiler tubes and superheaters.

Petrochemical Plants: Utilized in pipelines and equipment where high temperatures are a factor.

5. Mechanical Properties:

Property	Requirement
Tensile Strength	≥485 MPa (70,000 psi)
Yield Strength	≥240 MPa (35,000 psi)
Elongation	≥20% in 2 in (50 mm) or 4D (diameter), whichever is greater
Hardness	Rockwell B 90 maximum for pipes ≤ 2 in (50 mm) in diameter

6. Chemical Composition:

Element	Typical Range (%)
Carbon	0.29 - 0.36
Manganese	0.35 - 0.60
Phosphorus	≤ 0.035
Sulfur	≤ 0.035
Silicon	≤ 0.35
Copper	≤ 0.30

7. Heat Treatment: ASTM A106/A106M Grade B pipes undergo heat treatment processes such as normalization or annealing to achieve the desired mechanical properties and to ensure ductility.

Conclusion: ASTM A106/A106M Grade B Seamless Carbon Steel Pipes are engineered for high-temperature applications and offer a range of benefits that make them indispensable in various industries. Their seamless construction, combined with their mechanical and chemical properties, ensures reliable performance and longevity in demanding environments.

Product Image

BAOYANG · CHINA

PRODUCT DISPLAY



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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