



ASTM A106C A106B Seamless Pipe / Carbon Steel Pipe Seamless 1-20mm Wall Thickness

Our Product Introduction

Basic Information

- Place of Origin: cangzhou
- Brand Name: BaoYang
- Certification: CE & ISO
- Model Number: ASTM A106B A106C
- 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 A106B A106C Carbon Steel Seamless Pipe
- Process: Hot-Rolled
- Standards: ASTM/ASME/DIN/En
- 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, Boiler Pipe, Hydraulic/Automobile Pipe
- Highlight: **a106c a106b seamless pipe,
astm a106b seamless pipe,
astm carbon steel pipe seamless**



Product Description

ASTM A106 Grade B and Grade C Carbon Steel Seamless Pipes

1. Product Description: ASTM A106 Grade B and Grade C Carbon Steel Seamless Pipes are tubular products manufactured to the specifications outlined in ASTM A106, a standard that covers seamless carbon steel pipes for high-temperature service. These pipes are designed without a welded seam, which provides a consistent material structure and increased resistance to various service conditions.

2. Product Parameters:

Parameter	Description
Grades	ASTM A106 Grade B and Grade C
Material	Carbon Steel (Seamless)
Standard	ASTM A106
Size Range	Wide range of diameters and wall thicknesses
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:

Seamless Construction: Offers a uniform wall thickness and improved resistance to pressure.

High-Temperature Service: Suitable for applications where high-temperature performance is required.

Enhanced Strength: Grade C provides higher tensile and yield strength compared to Grade B.

Cost-Effective: A reliable and economical choice for a variety of industrial applications.

Corrosion Resistance: Offers resistance to corrosion in many environments.

4. Product Uses:

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

Refineries: Suitable for high-temperature applications within oil refineries.

Boiler and Superheater Tubes: Ideal for use in boiler systems and superheaters.

Heat Exchangers: Employed in heat exchangers that operate at high temperatures.

General Construction: Utilized in structural applications where high-strength tubing is needed.

5. Executing Standards:

ASTM A106: The standard that defines the material, dimensions, and properties of seamless carbon steel pipes for high-temperature service.

6. Mechanical Properties:

Property	ASTM A106 Grade B	ASTM A106 Grade C
Tensile Strength	≥485 MPa (70,000 psi)	≥485 MPa (70,000 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	Rockwell B 90 max (optional)	Rockwell B 90 max (optional)

7. Chemical Composition:

Element	ASTM A106 Grade B Range (%)	ASTM A106 Grade C Range (%)
Carbon	0.29 - 0.36	0.29 - 0.36
Manganese	0.35 - 0.60	0.35 - 0.60
Phosphorus	≤ 0.035	≤ 0.035
Sulfur	≤ 0.035	≤ 0.035
Silicon	≤ 0.35	≤ 0.35

Conclusion: ASTM A106 Grade B and Grade C Carbon Steel Seamless Pipes are versatile and reliable choices for high-temperature applications. Their seamless construction and adherence to ASTM A106 standards ensure that these pipes are suitable for a range of industrial uses. With a balance of mechanical properties and chemical composition, these pipes provide a cost-effective solution for demanding environments.

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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