



## ASTM A106 Carbon Steel Pipes For Fluid Transportation

### Our Product Introduction

#### Basic Information

- Place of Origin: cangzhou
- Brand Name: BaoYang
- Certification: ISO
- Model Number: ASTM A106
- 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 Steel Pipes For Liquid Service
- Process: Hot Rolled Cold Rolled Cold Drawn
- Standards: ASTM A106
- Material: Carbon Steel Alloy Steel
- 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: **astm seamless steel pipe,**  
**astm seamless stainless steel pipe,**  
**fluid seamless steel pipe**

## Product Description

### ASTM A106 Carbon Steel Pipes for Fluid Transportation:

ASTM A106 is an American standard specification for seamless carbon steel pipes used for fluid transportation. This specification outlines the technical requirements for seamless pipes, ensuring their suitability for a wide range of fluid transportation applications. ASTM A106 carbon steel pipes are highly regarded for their reliability, durability, and excellent performance in fluid conveying systems.

#### Product Description:

ASTM A106 carbon steel pipes for fluid transportation are manufactured from carbon steel, which provides robustness and strength to the pipes. These pipes have a seamless construction, ensuring precise dimensions and smooth internal surfaces. They are available in various sizes and grades to meet specific requirements of fluid transportation applications, enabling efficient and seamless fluid flow.

#### Product Parameters:

Parameter	Value
Size Range	1/2" - 36"
Wall Thickness	SCH 40, SCH 80, SCH 160
Length	5.8 m, 6 m, 11.8 m, 12 m
Steel Grade	Grade A, Grade B, Grade C
Outer Diameter Tolerance	±1% max

#### Mechanical Properties:

Mechanical Property	Grade A	Grade B	Grade C
Tensile Strength	330-415 MPa	415-580 MPa	485-655 MPa
Yield Strength	205 MPa min	240 MPa min	275 MPa min
Elongation	28% min	22% min	20% min

#### Chemical Composition:

Element	Grade A Content	Grade B Content	Grade C Content
Carbon (C)	0.25% max	0.30% max	0.35% max
Manganese (Mn)	0.27-0.93%	0.29-1.06%	0.29-1.06%
Phosphorus (P)	0.035% max	0.035% max	0.035% max
Sulfur (S)	0.035% max	0.035% max	0.035% max
Silicon (Si)	0.10% min	0.10% min	0.10% min

#### Product Applications:

ASTM A106 carbon steel pipes for fluid transportation find extensive applications in various industries, including:

**Oil and Gas Industry:** These pipes are widely used for the transportation of oil, gas, and other fluids in upstream, midstream, and downstream operations, ensuring the efficient and reliable flow of resources.

**Petrochemical Plants:** ASTM A106 pipes are employed in petrochemical plants for the transportation of various chemicals, feedstock, and intermediates used in the production of petrochemical products.

**Power Generation:** These pipes are utilized in power plants for the transportation of fluids, including steam and cooling water, in thermal and nuclear power generation systems.

**Water and Wastewater Systems:** ASTM A106 pipes are used in water supply and wastewater systems, ensuring the safe and reliable conveyance of potable water, irrigation water, and wastewater.

#### Product Advantages:

ASTM A106 carbon steel pipes for fluid transportation offer several advantages, including:

**High Strength:** These pipes possess excellent tensile strength and yield strength, enabling them to withstand high-pressure conditions encountered during fluid transportation.

**Corrosion Resistance:** The carbon steel composition and protective coatings on ASTM A106 pipes provide resistance against corrosion, ensuring the longevity and integrity of fluid conveying systems.

**Wide Size Range:** These pipes are available in a wide range of sizes and wall thicknesses, allowing flexibility in design and installation for various fluid transportation applications.

**Efficient Fluid Flow:** The seamless construction and precise dimensions of ASTM A106 pipes ensure smooth internal surfaces, minimizing frictional losses and facilitating efficient fluid flow.

In summary, ASTM A106 carbon steel pipes for fluid transportation are reliable, durable, and high-performance products designed to meet the requirements of fluid conveying systems. These seamless pipes offer excellent strength, corrosion resistance, and efficient fluid flow. They find applications in the oil and gas industry, petrochemical plants, power generation facilities, and water and wastewater systems. The carbon steel composition, along with specific grades, enables ASTM A106 pipes to withstand high-pressure conditions and resist corrosion, ensuring the safe and reliable transportation of fluids.

BAOYANG · CHINA

# PRODUCT DISPLAY

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**Company Profile**

# BAOYANG · CHINA COMPANY INFORMATION

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## 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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