



## Carbon Steel Seamless Pipe Standard ASTM A106A / A106b / A106c Pipe

### Basic Information

- Place of Origin: cangzhou
- Brand Name: BaoYang
- Certification: CE & ISO
- Model Number: ASTM A106A/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: Seamless Carbon Steel Tube
- Process: Hot Rolled Cold Rolled Cold Drawn
- Standards: ASTM A106A/A106b/A106c
- 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, Oil/Gas Drilling, Machinery Industry
- Highlight: **astm a106c pipe,**  
**astm carbon steel seamless pipe,**  
**a106b a106c pipe**



## Product Description

### Carbon Steel Seamless Tubes Standard ASTM A106A/A106b/A106c: An Overview

#### Introduction:

Carbon steel seamless tubes are widely used in various industries due to their outstanding properties such as high strength, durability, and excellent resistance to corrosion. One of the most commonly adopted standards for carbon steel seamless tubes is ASTM A106A/A106b/A106c. This standard ensures the quality and reliability of these tubes, making them suitable for a wide range of applications. In this article, we will delve into the product description, product parameter table, mechanical properties and chemical composition, product use, and product grade standards associated with ASTM A106A/A106b/A106c carbon steel seamless tubes.

#### Product Description:

ASTM A106A/A106b/A106c carbon steel seamless tubes are designed for high-temperature service and are manufactured using a seamless process, ensuring a smooth and uniform interior surface. These tubes are typically produced from carbon steel, which provides exceptional tensile strength and toughness. The seamless construction eliminates the risk of weak points and ensures reliable performance under demanding conditions.

#### Product Parameter Table:

The following table provides an overview of the typical parameters for ASTM A106A/A106b/A106c carbon steel seamless tubes:

Parameter	Value
Outside Diameter	1/2" to 24"
Wall Thickness	SCH 40, SCH 80, SCH 160
Length	6 meters, 12 meters
Manufacturing Method	Hot-finished or cold-drawn

#### Mechanical Properties and Chemical Composition:

ASTM A106A/A106b/A106c carbon steel seamless tubes exhibit excellent mechanical properties and a well-defined chemical composition. These properties ensure their suitability for high-pressure and high-temperature applications. The typical mechanical properties and chemical composition are as follows:

##### Mechanical Properties:

Tensile Strength:  $\geq 415$  MPa

Yield Strength:  $\geq 240$  MPa

Elongation:  $\geq 30\%$

Hardness:  $\leq 79$  HRB

##### Chemical Composition:

Carbon (C): 0.25% maximum

Manganese (Mn): 0.27-0.93%

Phosphorus (P): 0.035% maximum

Sulfur (S): 0.035% maximum

Silicon (Si): 0.10% minimum

Copper (Cu): 0.40% maximum

Nickel (Ni): 0.40% maximum

Chromium (Cr): 0.40% maximum

Molybdenum (Mo): 0.15% maximum

#### Product Use:

ASTM A106A/A106b/A106c carbon steel seamless tubes find extensive applications in industries such as oil and gas, petrochemical, power generation, refineries, and more. These tubes are commonly used for conveying fluids and gases at high temperatures and pressures. They are also employed in structural applications where strength, reliability, and resistance to corrosion are essential.

#### Product Grade Standards:

The ASTM A106A/A106b/A106c standard encompasses three different grades: A106A, A106B, and A106C. Each grade has distinct mechanical properties and chemical composition requirements, allowing users to select the appropriate grade based on their specific application needs.

#### Conclusion:

ASTM A106A/A106b/A106c carbon steel seamless tubes, complying with the ASTM standard, offer exceptional performance in high-temperature and high-pressure environments. Their seamless construction, mechanical properties, and chemical composition make them a reliable choice for various industries. Whether it is for conveying fluids or structural applications, these tubes provide durability and strength, meeting the stringent requirements of demanding industrial settings.

#### Product Image



## 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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