



## American Standard Seamless Carbon Pipe Astm A333 Gr 6 Smls ASME SA333 Gr. 6

### Our Product Introduction

#### Basic Information

- Place of Origin: cangzhou
- Brand Name: BaoYang
- Certification: CE & ISO
- Model Number: ASTM A333 Gr. 6 ASME SA333 Gr. 6
- 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: American Standard Seamless 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: **seamless carbon pipe astm, astm a333 gr 6 smls asme, a333 seamless carbon pipe**



## Product Description

### American Standard Seamless Steel Pipes ASTM A333 Gr. 6 / ASME SA333 Gr. 6: A Detailed Introduction

**1. Product Description:** American Standard Seamless Steel Pipes ASTM A333 Grade 6 and ASME SA333 Grade 6 are high-quality pipes designed for low-temperature service. These pipes are manufactured to meet the stringent requirements of ASTM (American Society for Testing and Materials) and ASME (American Society of Mechanical Engineers). They are seamless, meaning they are made from a single piece of steel without any welds, which provides superior strength and resistance to various service conditions.

#### 2. Product Parameters:

Parameter	Description
Grades	ASTM A333 Gr. 6 / ASME SA333 Gr. 6
Material	Seamless Carbon Steel
Standard	ASTM A333 / ASME SA333
Size Range	Various diameters and wall thicknesses as per ASTM A333
Length	Standard lengths, customizable upon request
Ends	Plain ends, beveled ends, threaded, or socket-weld ends
Surface Treatment	As-rolled, annealed, or normalized

#### 3. Product Advantages:

**Seamless Construction:** Offers uniform wall thickness and excellent resistance to pressure.

**Low-Temperature Service:** Designed for applications where temperatures can drop to as low as -45°C (-49°F).

**High Strength:** Provides high tensile and yield strength for demanding applications.

**Reliability:** Manufactured to meet ASTM and ASME standards for consistent quality.

**Corrosion Resistance:** Offers resistance to corrosion in various environmental conditions.

#### 4. Product Uses:

**Oil and Gas Industry:** Used for transporting fluids in pipelines operating in cold regions.

**Refrigeration Systems:** Suitable for systems that require low-temperature performance.

**Chemical Processing:** Ideal for handling chemicals that require low-temperature storage and transport.

**Power Plants:** Employed in steam lines and other systems where low temperatures are a factor.

**Structural Applications:** Utilized in structural applications that demand high strength at low temperatures.

#### 5. Executing Standards:

**ASTM A333:** The pipes are manufactured in compliance with ASTM A333, which specifies the standard for seamless and welded steel pipes for low-temperature service.

**ASME SA333:** This standard is referenced for the design and construction of piping systems intended for low-temperature service.

#### 6. Mechanical Properties:

Property	Requirement
Tensile Strength	≥415 MPa (60,000 psi)
Yield Strength	≥240 MPa (35,000 psi)
Elongation	≥20% in 50 mm (2 in) for pipes ≤ 76 mm (3 in) in diameter
Impact Energy	Varies by wall thickness and temperature service

#### 7. Chemical Composition:

Element	Typical Range (%)
Carbon	0.15 - 0.30
Manganese	0.35 - 0.60
Phosphorus	≤ 0.025
Sulfur	≤ 0.025
Silicon	≤ 0.35

**Conclusion:** American Standard Seamless Steel Pipes ASTM A333 Grade 6 and ASME SA333 Grade 6 are engineered for low-temperature applications and offer a combination of strength, ductility, and corrosion resistance. Their seamless design and adherence to ASTM and ASME standards make them suitable for a wide range of applications in the oil and gas, chemical processing, power generation, and structural industries. These pipes provide a reliable and durable solution for critical low-temperature service applications.

#### 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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