



## ASTM A178 A179 A192 Carbon Steel Seamless Pipe American Standard

### Our Product Introduction

#### Basic Information

- Place of Origin: cangzhou
- Brand Name: BaoYang
- Certification: CE & ISO
- Model Number: ASTM A178 A179 A192
- 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 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: Pipeline Transport, Oil/Gas Drilling, Machinery Industry
- Highlight: **a192 carbon steel seamless pipe, astm a53 carbon steel pipe, astm carbon steel seamless pipe**



## Product Description

### ASTM A178, A179, and A192 - American Standard Seamless Carbon Steel Pipes

**1. Product Description:** American Standard Seamless Carbon Steel Pipes ASTM A178, A179, and A192 are premium-grade pipes designed for high-temperature and high-pressure applications. These pipes are manufactured from carbon steel and are seamless, ensuring a uniform wall thickness and superior structural integrity. They are widely used across various industries due to their strength, durability, and resistance to corrosive environments.

#### 2. Product Parameters:

Parameter	Description
Grades	ASTM A178, A179, A192
Material	Seamless Carbon Steel
Standard	ASTM A178, A179, A192
Size Range	Various diameters and wall thicknesses as per ASTM standards
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:** Provides a consistent material structure and eliminates potential seam-related failures.

**High-Temperature Service:** Suitable for applications where temperatures can reach into the hundreds of degrees Celsius.

**Pressure Resistance:** Designed to withstand high internal pressures, essential for power generation and petrochemical applications.

**Long Service Life:** Built to last with minimal maintenance in demanding conditions.

**Corrosion Resistance:** Offers resistance to corrosion, reducing the need for frequent replacements.

#### 4. Product Uses:

**Boiler Tubes:** Used in the construction of industrial and power boilers.

**Superheater and Reheater Tubes:** Employed in the superheater and reheater sections of steam power plants.

**Heat Exchangers:** Suitable for use in heat exchangers operating under high pressure and temperature.

**Petrochemical Industry:** Utilized in pipelines and equipment within the petrochemical industry.

**Refineries:** Ideal for high-temperature pipelines and components in oil refineries.

#### 5. Executing Standards:

**ASTM A178:** Covers seamless carbon steel boiler tubes for high-temperature service.

**ASTM A179:** Specifies seamless cold-drawn low-carbon steel boiler and superheater tubes.

**ASTM A192:** Defines seamless carbon steel pipes for high-temperature and high-pressure service.

#### 6. Mechanical Properties:

Property	ASTM A178/A179 Requirement	ASTM A192 Requirement
Tensile Strength	≥415 MPa (60,000 psi)	≥415 MPa (60,000 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	Varies depending on heat treatment	

#### 7. Chemical Composition:

Element	ASTM A178/A179 Range (%)	ASTM A192 Range (%)
Carbon	0.15 - 0.30	0.15 - 0.30
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 A178, A179, and A192 American Standard Seamless Carbon Steel Pipes are engineered to provide exceptional performance in high-temperature and high-pressure environments. Their seamless construction and adherence to ASTM standards make them suitable for a wide range of applications in the power generation, petrochemical, and refining industries. These pipes offer a reliable and durable solution for critical applications where safety and efficiency are paramount.

#### 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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