



## A178 A179 A192 Astm Carbon Steel Pipe DIN St35.8 Seamless Carbon Pipe Boiler Pipe

### 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: ASTM A178 A179 A192 Carbon Steel Pipe
- Process: Hot-Rolled
- Standards: ASTM/ASME/DIN/En
- Material: Carbon Steel
- Wall Thickness: 1-20mm (0.04 Inch - 0.78 Inch)
- Outer Diameter: 13.7mm-609.6mm
- Processing Service: Bending, Punching, Cutting
- Usage: Boiler Pipe, Hydraulic/Automobile Pipe
- Highlight: **a192 astm carbon steel pipe ,  
astm carbon steel pipe din ,  
st35.8 seamless carbon pipe**



## Product Description

### ASTM A178, A179, A192, and DIN St35.8 Carbon Seamless Steel Boiler Pipes

**1. Product Description:** Carbon Seamless Steel Boiler Pipes are designed for high-pressure and high-temperature applications, typically used in boiler systems and superheaters. ASTM A178, A179, A192, and DIN St35.8 are standards that define the material, manufacturing, and quality requirements for these pipes.

#### 2. Advantages:

**Uniform Wall Thickness:** Seamless construction ensures no welds, providing a uniform wall thickness and increased resistance to pressure.

**High-Temperature Resistance:** Suitable for use in applications where temperatures can reach into the thousands of degrees Celsius.

**Longevity:** Designed for long-term use with minimal maintenance.

**Corrosion Resistance:** Offers resistance to corrosion, prolonging the service life of the pipes.

**Safety:** Manufactured to strict standards to ensure reliability and safety in critical applications.

#### 3. Product Parameters:

| Parameter         | Description  |
|-------------------|--|
| Standards         | ASTM A178, A179, A192, DIN St35.8                                  |
| Material          | Carbon Steel (Seamless)  |
| Size Range        | Various diameters and wall thicknesses as per respective standards |
| Length            | Standard lengths available, customizable upon request              |
| Ends              | Plain ends, beveled ends, threaded, or socket-weld ends            |
| Surface Treatment | Normally supplied in the as-rolled condition                       |

#### 4. Applications:

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

**Superheaters:** Employed in superheater sections of steam power plants.

**Heat Exchangers:** Suitable for use in heat exchangers operating at high temperatures.

**Refineries:** Utilized in high-temperature pipelines within oil refineries.

#### 5. Manufacturing Process:

**Melt:** High-quality carbon steel is melted in a furnace.

**Casting:** The molten steel is cast into a bloom or billet.

**Piercing:** The billet is pierced to create a hollow form.

**Drawing:** The hollow form is drawn through a series of dies to achieve the desired size.

**Cooling:** The pipe is cooled and cut to length.

**Non-Destructive Testing:** Each pipe undergoes testing to ensure no defects.

#### 6. Mechanical Properties:

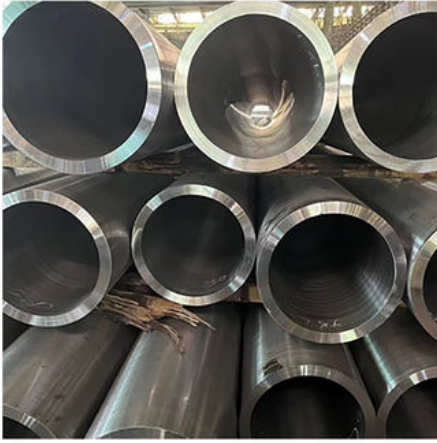
| Property         | Requirement   |
|------------------|---|
| Tensile Strength | Varies by standard but typically above 415 MPa (60,000 psi) |
| Yield Strength   | Typically above 240 MPa (35,000 psi)                        |
| Elongation       | Generally $\geq 20\%$ for Grade B materials                 |
| Hardness         | Varies, but typically Rockwell B 90 max for Grade B         |

#### 7. Chemical Composition:

| Element    | Typical Range (%) |
|------------|-------------------|
| Carbon     | 0.15 - 0.30       |
| Manganese  | Up to 0.90        |
| Phosphorus | $\leq 0.035$      |
| Sulfur     | $\leq 0.035$      |
| Silicon    | Up to 0.50        |

**Conclusion:** ASTM A178, A179, A192, and DIN St35.8 Carbon Seamless Steel Boiler Pipes are engineered for demanding high-temperature and high-pressure environments. Their seamless design and adherence to stringent standards make them a preferred choice for critical applications in the power, petrochemical, and industrial sectors. The manufacturing process ensures that these pipes are reliable, durable, and safe for use in boiler systems and other high-temperature 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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