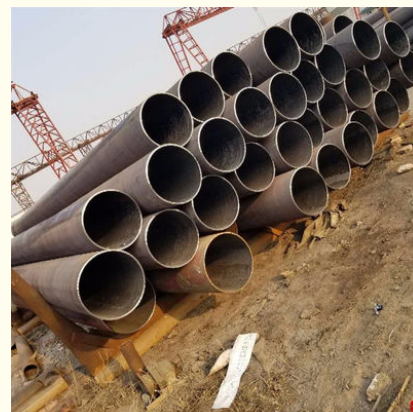




## ASTM A53 Grade B Carbon Steel Seamless Pipe Hot Rolled For Boiler Pipe

### Basic Information

- Place of Origin: cangzhou
- Brand Name: BaoYang
- Certification: CE & ISO
- Model Number: ASTM A53 Grade B
- 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 A53 Grade B 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: **grade b carbon steel seamless pipe ,  
carbon steel seamless pipe hot rolled ,  
astm a53 carbon steel pipe**



## Product Description

### ASTM A53 Grade B Carbon Steel Seamless Pipes

**1. Product Description:** ASTM A53 Grade B Carbon Steel Seamless Pipes are a type of mechanical tubing used for general industrial applications. These pipes are manufactured to the standards outlined in the ASTM A53 specification, which is a widely recognized standard for carbon steel pipes. The Grade B designation indicates a higher strength level compared to Grade A, making them suitable for more demanding applications.

#### 2. Advantages:

**Higher Strength:** Offers greater tensile and yield strength compared to Grade A.

**Seamless Construction:** Provides a uniform wall thickness and smooth internal and external surfaces.

**Durability:** Designed to withstand wear and tear in various industrial environments.

**Cost-Effective:** Offers a balance of quality and affordability.

**Wide Availability:** Commonly available in a range of sizes and lengths.

**Versatility:** Suitable for a variety of applications due to its strength and ductility.

#### 3. Product Parameters:

Parameter	Description
Standard	ASTM A53 Grade B
Material	Carbon Steel
Size Range	Various diameters and wall thicknesses as per ASTM A53
Length	Typically 20 feet (6 meters), customizable upon request
Ends	Plain ends, beveled ends, threaded, or socket-weld ends
Surface Treatment	Normalizing, annealing, or as specified by customer

#### 4. Applications:

**Oil and Gas Industry:** Used for transporting fluids and gases.

**Structural Applications:** Employed as structural supports in construction.

**Mechanical Components:** Suitable for manufacturing various mechanical components.

**Piping Systems:** Ideal for use in industrial piping systems.

**Pressure Vessels:** Utilized in the construction of pressure vessels.

**5. Manufacturing Process:** ASTM A53 Grade B pipes are manufactured through a seamless process that involves hot-forming and heat treatment. The manufacturing steps include:

**Hot Rolling:** Steel billets are heated and then rolled to form the pipe.

**Piercing:** The hot-formed pipe is pierced to create a hollow tube.

**Sizing:** The tube is then sized to the desired diameter and wall thickness.

**Heat Treatment:** The pipes undergo heat treatment to achieve the required mechanical properties.

#### 6. Mechanical Properties:

Property	Requirement
Tensile Strength	≥485 MPa (70,000 psi)
Yield Strength	≥310 MPa (45,000 psi)
Elongation	≥19% in 2 in (50 mm) or 4D (diameter), whichever is greater
Hardness	Rockwell B 90 maximum for pipes ≤ 2 in (50 mm) in diameter

#### 7. Chemical Composition:

Element	Typical Range (%)
Carbon	0.29 - 0.36
Manganese	0.35 - 0.60
Phosphorus	≤ 0.035
Sulfur	≤ 0.035
Silicon	≤ 0.35

**Conclusion:** ASTM A53 Grade B Carbon Steel Seamless Pipes are a robust choice for applications requiring high strength and durability. Their seamless design, coupled with their mechanical and chemical properties, makes them suitable for a wide range of industrial uses. The manufacturing process ensures that these pipes meet the high standards set by ASTM A53, providing a reliable and cost-effective solution for various industries.

#### 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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