



## GB/T5310 20G High Pressure Alloy Seamless Boiler Tubes / Pipes

### Our Product Introduction

#### Basic Information

- Place of Origin: cangzhou
- Brand Name: BaoYang
- Certification: CE & ISO
- Model Number: GB/T5310 20G
- 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 Alloy Steel Pipes
- Process: Hot Rolled Cold Rolled Cold Drawn
- Standards: GB/T5310 20G
- Material: Alloy Steel Pipe
- Wall Thickness: 1-30mm (0.04 Inch - 0.78 Inch)
- Outer Diameter: 10-324mm
- Processing Service: Bending, Punching, Cutting
- Usage: Pipeline Transport, Oil/Gas Drilling, Machinery Industry
- Highlight: **gb steel boiler tubes, gb seamless boiler tubes, gb/t5310 steel boiler tubes**



## Product Description

### GB/T5310 20G High Pressure Alloy Seamless Boiler Tubes/Pipes

**1. Product Description:** GB/T5310 20G High Pressure Alloy Seamless Boiler Tubes/Pipes are designed for high-pressure boiler applications that require exceptional heat resistance and mechanical strength. These tubes and pipes are manufactured from an alloy steel that is seamless, ensuring uniform wall thickness and superior structural integrity. The 20G grade is specifically formulated to offer a balance of strength and ductility, making it suitable for high-temperature and high-pressure environments.

#### 2. Product Parameters:

Parameter	Description
Grade	GB/T5310 20G
Material	High Pressure Alloy Steel (Seamless)
Standard	GB/T5310
Size Range	Various diameters and wall thicknesses as per GB/T5310
Length	Standard lengths, customizable upon request
Ends	Plain ends, beveled ends, threaded, or socket-weld ends
Surface Treatment	As-rolled, annealed, or normalized

#### 3. Mechanical Properties:

Property	Typical Requirements
Tensile Strength	≥415 MPa (60,000 psi)
Yield Strength	≥240 MPa (35,000 psi)
Elongation	≥20% in 50 mm (2 in) or 4D, whichever is greater
Hardness	Varies depending on heat treatment

#### 4. Chemical Composition:

Element	Typical Range (%)
Carbon	0.17 - 0.24
Manganese	≤1.00
Phosphorus	≤0.025
Sulfur	≤0.025
Silicon	≤0.50

#### 5. Product Applications:

**Boiler Tubes:** Used for steam generation in high-pressure boilers.

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

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

**Pressure Vessels:** Ideal for construction of high-pressure vessels and reactors in petrochemical and refining industries.

#### 6. Product Advantages:

**Seamless Construction:** Provides a consistent material structure and eliminates potential seam-related failures.

**High-Pressure Capability:** Alloy steel offers excellent resistance to high pressures and temperatures.

**Creep Resistance:** Designed to resist deformation under prolonged exposure to heat, which is critical in boiler applications.

**Weldability:** The 20G grade has good weldability, making it easy to integrate into various systems.

**Corrosion Resistance:** Enhanced resistance to corrosion and oxidation due to the alloy content.

## Product Image

Cangzhou Baoyang Pipeline Co., Ltd







**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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