



## High Pressure Boiler Seamless Steel Tubes GB/T5310 20G 15CrMoG 12Cr1MoVG

Our Product Introduction

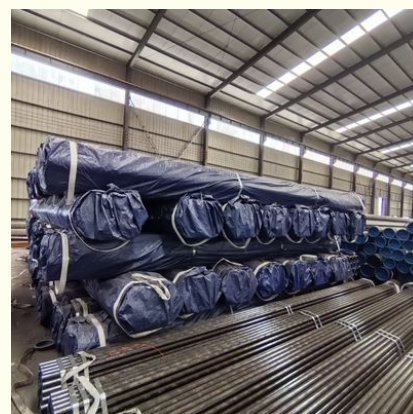
### Basic Information

- Place of Origin: cangzhou
- Brand Name: BaoYang
- Certification: CE & ISO
- Model Number: GB/T5310 20G 15CrMoG 12Cr1MoVG
- 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: High Pressure Boiler Steel Pipe
- Process: Hot Rolled Cold Rolled Cold Drawn
- Standards: GB/T5310 20G 15CrMoG 12Cr1MoVG
- Material: Carbon Steel
- 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: boiler seamless steel tubes, seamless steel tubes gb/t5310, boiler alloy steel seamless tubes



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## Product Description

### High Pressure Boiler Seamless Steel Tubes GB/T5310: 20G, 15CrMoG, and 12Cr1MoVG Grades

**1. Product Description:** High Pressure Boiler Seamless Steel Tubes GB/T5310 are designed for use in high-pressure boiler systems and other demanding thermal applications. These tubes are manufactured from carbon and alloy steels and are seamless, ensuring uniform wall thickness and superior mechanical properties. The 20G, 15CrMoG, and 12Cr1MoVG grades are specifically formulated to provide excellent strength and resistance to high temperatures and pressures.

#### 2. Product Parameters:

Parameter	Description
Grades	20G, 15CrMoG, 12Cr1MoVG
Material	Carbon and 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	20G Requirement	15CrMoG Requirement	12Cr1MoVG Requirement
Tensile Strength	≥410 MPa	≥440 MPa	≥470 MPa
Yield Strength	≥205 MPa	≥295 MPa	≥340 MPa
Elongation	≥30%	≥20%	≥20%
Hardness	Varies	Varies	Varies

#### 4. Chemical Composition:

Element	20G Range (%)	15CrMoG Range (%)	12Cr1MoVG Range (%)
Carbon	0.17 - 0.24	0.12 - 0.20	0.08 - 0.15
Chromium	-	0.40 - 0.70	-
Molybdenum	-	0.40 - 0.55	0.20 - 0.30
Manganese	≤1.00	≤1.00	≤1.00
Phosphorus	≤0.025	≤0.025	≤0.025
Sulfur	≤0.025	≤0.025	≤0.025

#### 5. Product Uses:

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

**Superheater Tubes:** Employed in the superheater sections of steam power plants to increase steam temperature.

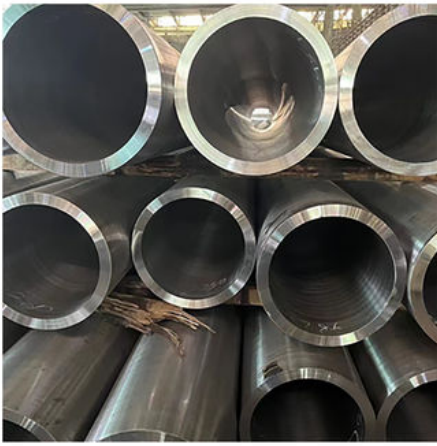
**Heat Exchangers:** Suitable for use in heat exchangers operating under high pressure and temperature.

**Pressure Vessels:** Ideal for construction of high-pressure vessels and reactors.

#### 6. Product Grade Standards:

**GB/T5310:** This Chinese national standard specifies the requirements for high-pressure boiler seamless steel tubes, including the 20G, 15CrMoG, and 12Cr1MoVG grades.

#### 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



Cangzhou Baoyang Pipeline Equipment Co., Ltd.



+8615131762322



BYpipe001@pipe-seamless.com



pipe-seamless.com

Room 512, Block B, Tiancheng Building, Yunhe District, Cangzhou City