



High Pressure Seamless Boiler Tubes GB/T5310 15CrMoG 12Cr1MoVG

Our Product Introduction

Basic Information

- Place of Origin: cangzhou
- Brand Name: BaoYang
- Certification: CE & ISO
- Model Number: GB/T5310 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: Seamless Carbon Steel Tube
- Process: Hot Rolled Cold Rolled Cold Drawn
- Standards: GB/T5310 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: **seamless boiler tubes gb/t5310, boiler seamless steel tubes, gb/t5310 seamless steel tubes**



Product Description

High Pressure Boiler Seamless Steel Pipe GB/T5310: 15CrMoG and 12Cr1MoVG Grades

1. Product Description: High Pressure Boiler Seamless Steel Pipe GB/T5310 is designed for use in high-pressure boiler systems that require exceptional strength and durability. These pipes are manufactured from specific heat-resistant steel alloys, namely 15CrMoG and 12Cr1MoVG, which offer superior performance in high-temperature and high-pressure environments typical of boiler applications.

2. Product Parameters:

Parameter	Description
Grades	15CrMoG, 12Cr1MoVG
Material	Heat-Resistant Carbon 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	15CrMoG Requirement	12Cr1MoVG Requirement
Tensile Strength	≥440 MPa (64,000 psi)	≥470 MPa (68,000 psi)
Yield Strength	≥295 MPa (42,500 psi)	≥340 MPa (49,300 psi)
Elongation	≥20%	≥20%
Hardness	Varies depending on heat treatment	

4. Chemical Composition:

Element	15CrMoG Range (%)	12Cr1MoVG Range (%)
Carbon	0.12 - 0.20	0.08 - 0.15
Chromium	0.40 - 0.70	-
Molybdenum	0.40 - 0.55	-
Manganese	≤ 0.40	≤ 0.40
Phosphorus	≤ 0.025	≤ 0.025
Sulfur	≤ 0.025	≤ 0.025
Silicon	0.17 - 0.37	0.17 - 0.37

5. Product Uses:

Boiler Tubes: Used in high-pressure and high-temperature boiler systems for steam generation.

Superheater Tubes: Employed in the superheater sections of steam power plants.

Heat Exchangers: Suitable for use in heat exchangers operating under demanding conditions.

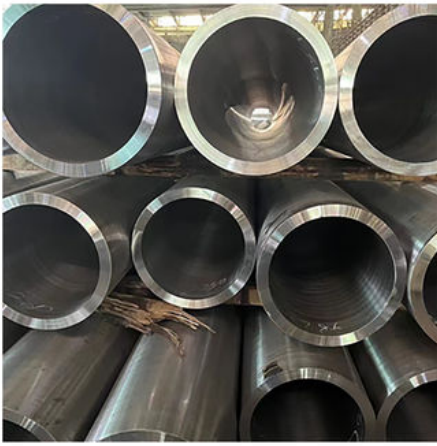
Pressure Vessels: Ideal for construction of high-pressure vessels and reactors in petrochemical and refining industries.

6. Product Grade Standards:

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

Conclusion: High Pressure Boiler Seamless Steel Pipe GB/T5310, available in 15CrMoG and 12Cr1MoVG grades, is engineered for demanding applications in the power generation and petrochemical industries. These pipes offer a combination of strength, ductility, and corrosion resistance that make them suitable for high-pressure boiler systems. Adherence to the GB/T5310 standard ensures that these pipes meet the high-quality benchmarks necessary for critical applications.

Product Image





Company Profile

BAOYANG · CHINA COMPANY INFORMATION



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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