



API 5L Gr. B/ASTM A53 Gr. B Carbon Steel Seamless Steel Pipe / Steel Boiler Tubes

Our Product Introduction

Basic Information

- Place of Origin: cangzhou
- Brand Name: BaoYang
- Certification: CE & ISO
- Model Number: API 5L Gr. B/ASTM A53 Gr. 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: High Pressure Boiler Steel Pipe
- Process: Hot Rolled Cold Rolled Cold Drawn
- Standards: API 5L Gr. B/ASTM A53 Gr. B
- 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: **a53 gr. b carbon steel seamless steel pipe ,
astm a53 gr. b carbon steel seamless steel pipe
, a53 steel boiler tubes**



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Product Description

API 5L Gr. B/ASTM A53 Gr. B Carbon Seamless Boiler Steel Pipe

1. Product Description: API 5L Grade B/ASTM A53 Grade B Carbon Seamless Boiler Steel Pipe is a carbon steel pipe designed for use in boiler applications and other high-pressure environments. These pipes are seamless, ensuring uniform wall thickness and superior mechanical properties. They are manufactured to meet the stringent requirements of both the American Petroleum Institute (API) and the American Society for Testing and Materials (ASTM), ensuring quality and reliability.

2. Product Parameters:

Parameter	Description
Grades	API 5L Grade B, ASTM A53 Grade B
Material	Carbon Steel (Seamless)
Standard	API 5L, ASTM A53
Size Range	Various diameters and wall thicknesses as per API/ASTM standards
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	Requirement
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 and processing

4. Chemical Composition:

Element	Typical Range (%)
Carbon	0.29 - 0.36
Manganese	0.35 - 0.60
Phosphorus	≤ 0.025
Sulfur	≤ 0.025
Silicon	≤ 0.35

5. Product Uses:

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

Superheater Tubes: Employed in the superheater 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.

Oil and Gas Industry: Utilized in pipelines for transporting oil, natural gas, and other fluids.

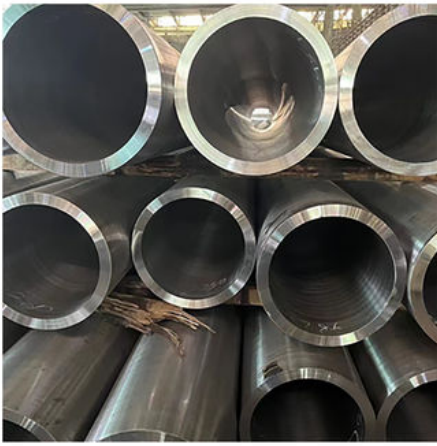
6. Product Grade Standards:

API 5L Grade B: This grade is part of the API 5L specification, which covers line pipes (seamless and welded) used for pipeline transportation systems in the petroleum and natural gas industries.

ASTM A53 Grade B: This grade is part of the ASTM A53 specification, which covers seamless and welded steel pipes, with Grade B offering higher strength for more demanding applications.

Conclusion: API 5L Grade B/ASTM A53 Grade B Carbon Seamless Boiler Steel Pipe offers a balance of strength, ductility, and corrosion resistance suitable for high-pressure boiler systems and other demanding applications. Their seamless construction and adherence to API and ASTM standards ensure that these pipes provide a reliable and durable solution for various industrial 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

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