



ASTM A106 ASME SA106 ASTM A53 GR.B High Pressure Boiler Steel Pipe Carbon Steel

Our Product Introduction

Basic Information

- Place of Origin: cangzhou
- Brand Name: BaoYang
- Certification: CE & ISO
- Model Number: ASTM A106 ASME SA106 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: ASTM A106 ASME SA106 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: **gr.b high pressure boiler steel pipe, a106 boiler tube suppliers, a106 high pressure boiler steel pipe**



Product Description

ASTM A106/ASME SA106 and ASTM A53 Grade B High Pressure Boiler Steel Pipe

1. Product Description: ASTM A106/ASME SA106 and ASTM A53 Grade B High Pressure Boiler Steel Pipes are designed to handle the demands of high-pressure steam service. These pipes are manufactured from carbon steel and are seamless, ensuring a uniform wall thickness and superior structural integrity. They are widely used in boiler applications where high strength and durability are required.

2. Product Parameters:

Parameter	Description
Grades	ASTM A106/ASME SA106, ASTM A53 Grade B
Material	Carbon Steel (Seamless)
Standard	ASTM A106, ASME SA106, ASTM A53
Size Range	Various diameters and wall thicknesses as per 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	ASTM A106/ASME SA106 Requirement	ASTM A53 Grade B Requirement
Tensile Strength	≥415 MPa (60,000 psi)	≥415 MPa (60,000 psi)
Yield Strength	≥240 MPa (35,000 psi)	≥310 MPa (45,000 psi)
Elongation	≥20% in 50 mm (2 in)	≥20% in 50 mm (2 in)
Hardness	Varies depending on heat treatment	Varies depending on heat treatment

4. Chemical Composition:

Element	ASTM A106/ASME SA106 Range (%)	ASTM A53 Grade B Range (%)
Carbon	0.29 - 0.36	0.29 - 0.33
Manganese	0.35 - 0.60	0.35 - 0.60
Phosphorus	≤ 0.025	≤ 0.025
Sulfur	≤ 0.025	≤ 0.025
Silicon	≤ 0.35	≤ 0.35

5. Product Uses:

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

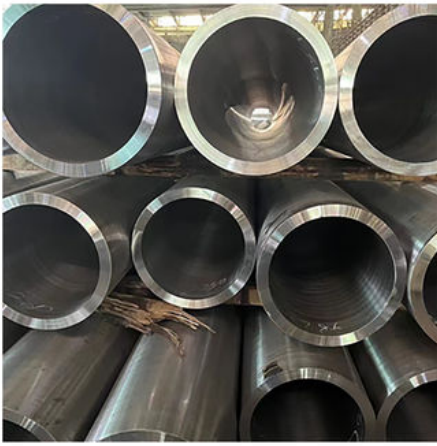
Superheater Tubes: Employed in the superheater sections of steam power plants.

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.

Refineries: Used in pipelines and components within oil refineries.

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



Cangzhou Baoyang Pipeline Equipment Co., Ltd.



+8615131762322



BYpipe001@pipe-seamless.com



pipe-seamless.com

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