



DIN17175 St35.8 St45.8 Carbon Steel Boiler Pipe / Alloy Steel Tube

Our Product Introduction

Basic Information

- Place of Origin: cangzhou
- Brand Name: BaoYang
- Certification: CE & ISO
- Model Number: DIN17175 St35.8 St45.8
- 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: DIN17175 St35.8 St45.8
- 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: **st45.8 carbon steel boiler pipe ,
din17175 alloy steel tube,
din17175 carbon steel boiler pipe**

Product Description

DIN 17175 St35.8 and St45.8 Carbon Steel Seamless Boiler Tubes: Robust Solutions for High-Pressure Applications
1. Product Description: DIN 17175 St35.8 and St45.8 Carbon Steel Seamless Boiler Tubes are high-quality, seamless tubes designed for use in boiler systems and other high-pressure applications. These tubes are manufactured from carbon steel and are characterized by their seamless construction, which ensures uniform wall thickness and superior mechanical properties. The "St" in the grade name stands for Stahl, the German word for steel, with the numbers indicating the minimum yield strength of the material in N/mm².

2. Product Parameters:

Parameter	Description
Grades	DIN 17175 St35.8 and St45.8
Material	Carbon Steel (Seamless)
Standard	DIN 17175
Size Range	Various diameters and wall thicknesses as per DIN 17175
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	St35.8 Requirement	St45.8 Requirement
Tensile Strength	≥410 MPa	≥490 MPa
Yield Strength	≥335 MPa (St35.8)	≥435 MPa (St45.8)
Elongation	≥18%	≥18%
Hardness	Varies depending on heat treatment	

4. Chemical Composition:

Element	Typical Range (%) for St35.8 and St45.8
Carbon	0.10 - 0.20 (St35.8), 0.12 - 0.20 (St45.8)
Manganese	Up to 1.00 (both grades)
Phosphorus	≤ 0.025 (both grades)
Sulfur	≤ 0.025 (both grades)
Silicon	Up to 0.50 (both grades)

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.

Petrochemical Industry: Utilized in pipelines and equipment within the petrochemical industry.

6. Product Grade Standards:

DIN 17175: The tubes are manufactured in compliance with the German Industrial Standard (DIN) 17175, which specifies the technical requirements for seamless steel tubes for high-temperature and high-pressure service.

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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