



DIN17175 St35.8 St45.8 1-20mm Thick Wall Steel Pipe Seamless Carbon Steel

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: Carbon Steel Thick Wall Seamless Steel Pipe
- Process: Hot Rolled Cold Rolled Cold Drawn
- Standards: ASTM/ASME/DIN/En
- Material: Carbon Steel
- Wall Thickness: 1-20mm (0.04 Inch - 0.78 Inch)
- Outer Diameter: 6-2500mm
- Processing Service: Bending, Punching, Cutting
- Usage: Chemical Industry, Mining, Construction & Decoration, Special Purpose
- Highlight: **din17175 seamless steel boiler pipe, din17175 thick wall steel pipe seamless, st35.8 seamless steel boiler pipe**



Product Description

DIN 17175 St35.8 and St45.8 Carbon Steel Thick Wall Seamless Steel Pipes

1. Product Description: DIN 17175 St35.8 and St45.8 Carbon Steel Thick Wall Seamless Steel Pipes are engineered to provide exceptional strength and durability for a variety of high-pressure applications. These pipes are manufactured from carbon steel and are seamless, ensuring a uniform wall thickness and optimal resistance to pressure and wear. 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
Wall Thickness	Thick wall as per customer requirements and application needs
Size Range	Various diameters and wall thicknesses
Length	Standard lengths, customizable upon request
Ends	Plain ends, beveled ends, threaded, or socket-weld ends
Surface Treatment	As-rolled, annealed, or normalized

3. Product Advantages:

Seamless Construction: Offers superior pressure resistance and eliminates potential seam failures.

High Yield Strength: St35.8 and St45.8 indicate the minimum yield strength, providing reliable mechanical properties.

Customizable Wall Thickness: Available in various wall thicknesses to suit different pressure requirements.

Long Service Life: Designed for longevity in demanding environments.

Corrosion Resistance: Offers inherent resistance to many corrosive agents.

4. Product Uses:

Pressure Vessels: Ideal for use in the construction of pressure vessels and high-pressure boilers.

Oil and Gas Industry: Used for pipelines and equipment in the oil and gas sector.

Chemical Processing: Suitable for handling corrosive chemicals in the chemical industry.

Power Plants: Employed in steam lines and other high-temperature, high-pressure systems.

Structural Applications: Utilized in structural applications requiring thick-walled pipes.

5. Executing Standards:

DIN 17175: The pipes are manufactured in compliance with the German Industrial Standard (DIN) 17175, ensuring quality and reliability.

6. Mechanical Properties:

Property	DIN 17175 St35.8	DIN 17175 St45.8
Tensile Strength	≥510 MPa (74,500 psi)	≥590 MPa (85,500 psi)
Yield Strength	≥335 MPa (48,600 psi)	≥435 MPa (63,200 psi)
Elongation	≥18% in 50 mm (2 in)	≥18% in 50 mm (2 in)
Hardness	Typically Rockwell B 90 max	

7. Chemical Composition:

Element	DIN 17175 St35.8 Range (%)	DIN 17175 St45.8 Range (%)
Carbon	0.10 - 0.20	0.12 - 0.20
Manganese	Up to 1.00	Up to 1.00
Phosphorus	≤ 0.035	≤ 0.035
Sulfur	≤ 0.035	≤ 0.035
Silicon	Up to 0.50	Up to 0.50

Conclusion: DIN 17175 St35.8 and St45.8 Carbon Steel Thick Wall Seamless Steel Pipes are engineered for applications that demand high strength and durability. Their seamless construction and adherence to the DIN 17175 standard make them ideal for use in high-pressure environments such as in the oil and gas industry, chemical processing, and power generation. These pipes offer a reliable and cost-effective solution for a variety of 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

BAOYANG · CHINA APPLICATION SCENARIOS



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