



High Pressure Carbon Steel Boiler Tubes DIN17175 16Mo3 15Mo3

Our Product Introduction

Basic Information

- Place of Origin: cangzhou
- Brand Name: BaoYang
- Certification: CE & ISO
- Model Number: DIN17175 16Mo3 15Mo3
- 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 16Mo3 15Mo3
- 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: **carbon steel boiler tubes din17175, din17175 carbon steel boiler pipe, 16mo3 carbon steel boiler pipe**

Product Description

High-Pressure Carbon Steel Seamless Boiler Tube DIN 17175 Grades 16Mo3 and 15Mo3

1. Product Description: High-Pressure Carbon Steel Seamless Boiler Tubes DIN 17175 Grades 16Mo3 and 15Mo3 are engineered for use in boiler systems and other high-pressure applications. These tubes are manufactured from carbon steel with added molybdenum, ensuring superior strength and resistance to corrosion. The seamless design provides uniform wall thickness and excellent mechanical properties, making them ideal for demanding industrial environments.

2. Product Parameters:

Parameter	Description
Grades	DIN 17175 16Mo3 and 15Mo3
Material	Carbon Steel with added Molybdenum (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	16Mo3 Requirement	15Mo3 Requirement
Tensile Strength	≥440 MPa (64,000 psi)	≥410 MPa (59,000 psi)
Yield Strength	≥290 MPa (42,000 psi)	≥275 MPa (40,000 psi)
Elongation	≥20%	≥20%
Hardness	Varies depending on heat treatment	

4. Chemical Composition:

Element	Typical Range (%) for 16Mo3	Typical Range (%) for 15Mo3
Carbon	0.12 - 0.20	0.12 - 0.20
Molybdenum	0.50 - 0.65	0.40 - 0.50
Chromium	≤ 0.50 (for 16Mo3)	-
Phosphorus	≤ 0.025	≤ 0.025
Sulfur	≤ 0.025	≤ 0.025
Silicon	≤ 0.50	≤ 0.50

5. Product Uses:

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

Superheater Tubes: Employed in superheater sections to raise steam temperature.

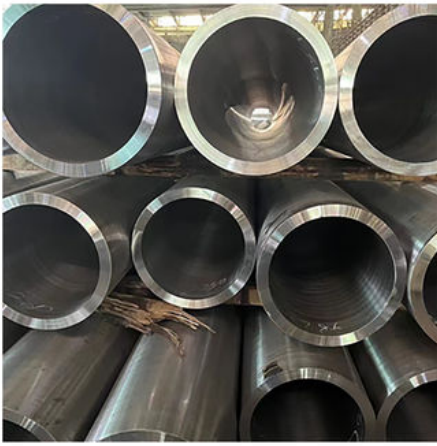
Heat Exchangers: Suitable for use in heat exchangers operating under high pressure and temperature.

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 suitable 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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