



DIN 17175 Seamless Alloy Steel Tube 13CrMo44 13CrMo4-5 Alloy Seamless Pipe

Our Product Introduction

Basic Information

- Place of Origin: cangzhou
- Brand Name: BaoYang
- Certification: CE & ISO
- Model Number: DIN 17175 13CrMo44 13CrMo4-5
- 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: Seamless Alloy Steel Pipes
- Process: Hot Rolled Cold Rolled Cold Drawn
- Standards: DIN 17175 13CrMo44 13CrMo4-5
- Material: Alloy Steel Pipe
- Wall Thickness: 1-30mm (0.04 Inch - 0.78 Inch)
- Outer Diameter: 10-324mm
- Processing Service: Bending, Punching, Cutting
- Usage: Pipeline Transport, Oil/Gas Drilling, Machinery Industry
- Highlight: **seamless alloy steel tube 13crmo44, din 17175 seamless alloy steel tube, din alloy seamless pipe**



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Product Description

DIN 17175 13CrMo44 and 13CrMo4-5 Alloy Seamless Steel Tubes: High-Performance Tubing for Industrial Applications

1. Product Description: DIN 17175 13CrMo44 and 13CrMo4-5 Alloy Seamless Steel Tubes are engineered for demanding industrial applications that require high strength and resistance to high temperatures and pressures. These tubes are manufactured from alloy steel that is seamless, ensuring uniform wall thickness and superior structural integrity. The 13CrMo44 and 13CrMo4-5 grades offer excellent creep resistance and good weldability, making them suitable for applications such as boiler tubes and heat exchangers.

2. Product Parameters:

Parameter	Description
Grades	DIN 17175 13CrMo44 and 13CrMo4-5
Material	Alloy 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	13CrMo44 Requirement	13CrMo4-5 Requirement
Tensile Strength	≥440 MPa	≥440 MPa
Yield Strength	≥295 MPa	≥295 MPa
Elongation	≥20%	≥20%
Hardness	Varies depending on heat treatment	

4. Chemical Composition:

Element	13CrMo44 Range (%)	13CrMo4-5 Range (%)
Carbon	0.10 - 0.18	0.08 - 0.16
Chromium	0.40 - 0.70	0.40 - 0.70
Molybdenum	0.40 - 0.60	0.40 - 0.60
Manganese	≤1.00	≤1.00
Phosphorus	≤0.025	≤0.025
Sulfur	≤0.025	≤0.025

5. Product Applications:

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

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

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

Pressure Vessels: Suitable for construction of high-pressure vessels and reactors.

Gas and Oil Industry: Utilized in pipelines and equipment for oil and natural gas transport in high-temperature environments.

6. Product Advantages:

Seamless Construction: Provides a consistent material structure and eliminates potential seam-related failures.

High-Temperature Resistance: Alloy steel offers excellent resistance to high temperatures and thermal cycling.

Creep Resistance: Designed to resist deformation under prolonged exposure to heat.

Weldability: The 13CrMo44 and 13CrMo4-5 grades have good weldability, facilitating easy integration into various systems.

Corrosion Resistance: Enhanced resistance to corrosion and oxidation due to the alloy content.

7. Conclusion: DIN 17175 13CrMo44 and 13CrMo4-5 Alloy Seamless Steel Tubes are engineered to provide reliable performance in high-temperature and high-pressure environments. Their seamless design and alloy composition ensure a combination of strength, ductility, and corrosion resistance that is necessary for demanding applications. These tubes offer a durable and cost-effective solution for industries such as power generation, petrochemical, and heavy machinery.

Product Image

Cangzhou Baoyang Pipeline Co., Ltd





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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