



## DIN 17175 10CrMo910 Heat Resistant Alloy Seamless Steel Pipe / Tubes

Our Product Introduction

### Basic Information

- Place of Origin: cangzhou
- Brand Name: BaoYang
- Certification: CE & ISO
- Model Number: DIN 17175 10CrMo910
- 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 10CrMo910
- 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: **heat resistant alloy seamless steel pipe, din alloy seamless pipe, din alloy seamless steel pipe**



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## Product Description

### DIN 17175 10CrMo910 Heat Resistant Seamless Steel Pipes/Tubes

**1. Product Description:** DIN 17175 10CrMo910 Heat Resistant Seamless Steel Pipes/Tubes are designed for applications that require exceptional heat resistance and mechanical strength. These pipes and tubes are manufactured from a specific alloy steel grade known for its superior creep resistance and ability to withstand high temperatures. The seamless construction ensures uniform wall thickness and optimal structural integrity, making them ideal for use in demanding environments such as power plants and petrochemical industries.

#### 2. Product Parameters:

| Parameter         | Description   |
|-------------------|---|
| Grade             | DIN 17175 10CrMo910                                     |
| Material          | Heat Resistant 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         | Typical Requirements                             |
|------------------|--|
| Tensile Strength | ≥480 MPa (69,000 psi)                            |
| Yield Strength   | ≥290 MPa (42,000 psi)                            |
| Elongation       | ≥20% in 50 mm (2 in) or 4D, whichever is greater |
| Hardness         | Varies depending on heat treatment               |

#### 4. Chemical Composition:

| Element    | Typical Range (%) |
|------------|-------------------|
| Carbon     | 0.08 - 0.15       |
| Chromium   | 1.80 - 2.20       |
| Molybdenum | 0.90 - 1.10       |
| Manganese  | ≤1.00             |
| Phosphorus | ≤0.025            |
| Sulfur     | ≤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 and Reheater Tubes:** Employed in superheater and reheater sections of steam power plants.

**Pressure Vessels:** Suitable for construction of high-pressure vessels and reactors in petrochemical and refining industries.

**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, critical in power generation applications.

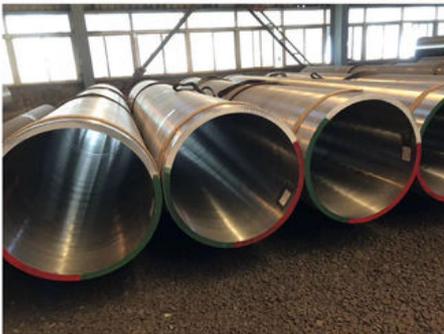
**Weldability:** The 10CrMo910 grade has good weldability, facilitating easy integration into various systems.

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

**7. Conclusion:** DIN 17175 10CrMo910 Heat Resistant Seamless Steel Pipes/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 pipes and 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

## BAOYANG · CHINA APPLICATION SCENARIOS



Cangzhou Baoyang Pipeline Equipment Co., Ltd.

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