



## GB/T8163 Q345E Q345D Low Temperature Steel Pipe 1-20mm Wall Thickness

### Our Product Introduction

#### Basic Information

- Place of Origin: cangzhou
- Brand Name: BaoYang
- Certification: CE & ISO
- Model Number: GB/T8163 Q345E Q345D
- 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: GB/T8163 Q345E Q345D
- 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: q345d low temperature steel pipe,  
gb/t8163 low temperature steel pipe,  
gb/t8163 low temperature carbon steel pipe



## Product Description

### GB/T8163 Q345E Q345D Low-Temperature Steel Pipes/Tubes

GB/T8163 Q345E Q345D low-temperature steel pipes/tubes are widely used in industries that require reliable performance under low-temperature conditions. These pipes/tubes are specifically designed to withstand low temperatures while maintaining excellent strength and toughness. In this article, we will provide a comprehensive overview of the product description, product parameter table, mechanical properties and chemical composition, product use, and product grade standards associated with GB/T8163 Q345E Q345D low-temperature steel pipes/tubes.

#### Product Description:

GB/T8163 Q345E Q345D low-temperature steel pipes/tubes are manufactured using a seamless process, ensuring a consistent and uniform interior surface. These pipes/tubes are primarily made from low-alloy high-strength structural steel, which offers exceptional resistance to low temperatures and exhibits excellent mechanical properties. The seamless construction eliminates the risk of weak points and ensures reliable performance in low-temperature environments.

#### Product Parameter Table:

The following table provides an overview of the typical parameters for GB/T8163 Q345E Q345D low-temperature steel pipes/tubes:

Parameter	Value
Outside Diameter	16mm to 406mm
Wall Thickness	2.0mm to 40mm
Length	5.8 meters, 6 meters, 11.8 meters, 12 meters
Manufacturing Method	Hot-finished or cold-drawn

#### Mechanical Properties and Chemical Composition:

GB/T8163 Q345E Q345D low-temperature steel pipes/tubes exhibit excellent mechanical properties and a defined chemical composition, making them suitable for use in low-temperature applications. The typical mechanical properties and chemical composition are as follows:

##### Mechanical Properties:

Tensile Strength:  $\geq 470$ -630 MPa

Yield Strength:  $\geq 345$  MPa

Elongation:  $\geq 21\%$

Impact Test Temperature:  $-40^{\circ}\text{C}$

##### Chemical Composition:

Carbon (C): 0.18%

Silicon (Si): 0.50%

Manganese (Mn): 1.70%

Phosphorus (P): 0.030%

Sulfur (S): 0.030%

Vanadium (V): 0.15-0.30%

Niobium (Nb): 0.015-0.060%

Titanium (Ti): 0.020-0.060%

#### Product Use:

GB/T8163 Q345E Q345D low-temperature steel pipes/tubes are widely used in applications that require reliable performance in low-temperature environments. They find extensive use in industries such as oil and gas, petrochemical, power generation, and transportation. These pipes/tubes are commonly employed in low-temperature pipelines, offshore structures, and equipment that operate in severe cold conditions. Their excellent strength, toughness, and resistance to low temperatures make them ideal for such demanding applications.

#### Product Grade Standards:

The GB/T8163 standard encompasses two different grades: Q345E and Q345D. These grades have specific mechanical properties and chemical composition requirements, ensuring their suitability for low-temperature applications. Users can select the appropriate grade based on their specific requirements and operating conditions to ensure optimal performance.

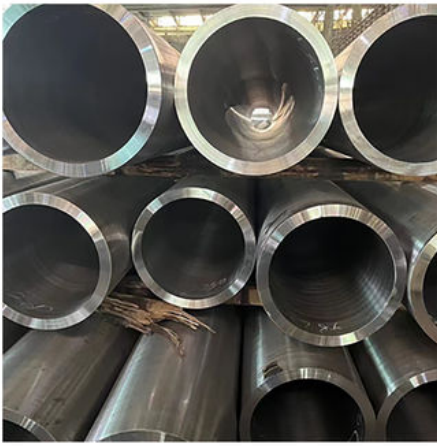
## Conclusion:

GB/T8163 Q345E Q345D low-temperature steel pipes/tubes are designed to withstand challenging low-temperature environments while maintaining excellent strength and toughness. Their seamless construction, mechanical properties, and chemical composition make them a reliable choice for various industries operating in severe cold conditions. Whether it is for low-temperature pipelines, offshore structures, or cold weather equipment, these pipes/tubes provide durability and reliability, meeting the stringent requirements of low-temperature applications.

## Product Image

# BAOYANG · CHINA PRODUCT DISPLAY





**Company Profile**

# BAOYANG · CHINA COMPANY INFORMATION

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## 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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