



## 16mndg GB/T 18984 Low Temperature Steel Pipe / Carbon Steel Boiler Steel Pipe

Our Product Introduction

### Basic Information

- Place of Origin: cangzhou
- Brand Name: BaoYang
- Certification: CE & ISO
- Model Number: 16mndg GB/T 18984
- 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: 16mndg GB/T 18984
- 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: **gb/t 18984 low temperature steel pipe ,  
16mndg low temperature steel pipe,  
16mndg low temperature carbon steel pipe**



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## Product Description

### 16MnDG GB/T 18984 Low Temperature Seamless Pipe

16MnDG GB/T 18984 low-temperature seamless pipes are specifically designed to withstand low temperatures while maintaining excellent strength and toughness. These pipes are widely used in industries that require reliable performance in low-temperature environments. 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 16MnDG GB/T 18984 low-temperature seamless pipes.

#### Product Description:

16MnDG GB/T 18984 low-temperature seamless pipes are manufactured using a seamless process, ensuring a uniform and smooth interior surface. These pipes are primarily made from 16MnDG alloy 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 16MnDG GB/T 18984 low-temperature seamless pipes:

Parameter	Value
Outside Diameter	6mm to 720mm
Wall Thickness	1mm to 120mm
Length	5.8 meters, 6 meters, 11.8 meters, 12 meters
Manufacturing Method	Hot-finished or cold-drawn

#### Mechanical Properties and Chemical Composition:

16MnDG GB/T 18984 low-temperature seamless pipes exhibit excellent mechanical properties and a well-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:  $\geq 490$ -665 MPa

Yield Strength:  $\geq 315$  MPa

Elongation:  $\geq 22\%$

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

##### Chemical Composition:

Carbon (C): 0.13-0.19%

Silicon (Si): 0.20-0.60%

Manganese (Mn): 1.20-1.60%

Phosphorus (P):  $\leq 0.030\%$

Sulfur (S):  $\leq 0.030\%$

Chromium (Cr):  $\leq 0.30\%$

Nickel (Ni):  $\leq 0.30\%$

Copper (Cu):  $\leq 0.20\%$

Vanadium (V):  $\leq 0.10\%$

Titanium (Ti):  $\leq 0.030\%$

Aluminum (Al):  $\leq 0.040\%$

##### Product Use:

16MnDG GB/T 18984 low-temperature seamless pipes are widely used in industries that require reliable performance in low-temperature environments. They find extensive use in applications such as cryogenic storage tanks, low-temperature pipelines, and equipment that operates in severe cold conditions. These pipes are specifically designed to withstand the challenges of low temperatures while providing excellent strength, toughness, and resistance to brittle fracture.

##### Product Grade Standards:

The GB/T 18984 standard specifies the requirements for 16MnDG low-temperature seamless pipes. These pipes are manufactured to meet the specific mechanical properties and chemical composition requirements outlined in the standard. The adherence to this standard ensures the quality and reliability of these pipes in low-temperature applications.

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# PRODUCT DISPLAY

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**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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