



## GB/T18984 09Mn2VDG Seamless Steel Pipe Low Temperature 6-2500mm Od

### Our Product Introduction

#### Basic Information

- Place of Origin: cangzhou
- Brand Name: BaoYang
- Certification: CE & ISO
- Model Number: GB/T18984 09Mn2VDG
- 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 Steel Pipe
- Process: Hot Rolled Cold Rolled Cold Drawn
- Standards: GB/T18984 09Mn2VDG
- Material: Carbon Steel Alloy 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/t18984 low temperature steel pipe, gb/t18984 low temperature carbon steel pipe, 09mn2vdg low temperature steel pipe**



## Product Description

### GB/T 18984 09Mn2VDG Seamless Steel Pipe - Introduction, Applications, and Functions

#### Introduction:

GB/T 18984 09Mn2VDG is a Chinese national standard that specifies the technical requirements for seamless steel pipes made of 09Mn2VDG grade low-temperature resistant steel. These pipes are designed to withstand low-temperature environments and are commonly used in industries that require resistance to low temperatures and high pressures.

#### Applications:

The GB/T 18984 09Mn2VDG seamless steel pipes find wide applications in the following areas:

**Oil and Gas Industry:** These pipes are used for transporting oil, gas, and other fluids in pipelines operating under low-temperature conditions. They are suitable for both onshore and offshore oil and gas exploration and production.

**Petrochemical Industry:** 09Mn2VDG seamless steel pipes are utilized in petrochemical plants for the transportation of chemicals and gases at low temperatures. They are crucial for processes such as refining, cracking, and storage.

**Power Generation:** These pipes are employed in power plants, particularly in the construction of boilers and heat exchangers. They provide a reliable conduit for steam and other fluids at low temperatures and high pressures.

**Shipbuilding:** GB/T 18984 09Mn2VDG seamless steel pipes are used in the construction of ships and offshore structures. They are applied in critical systems such as the ship's propulsion, cooling, and hydraulic systems, where low-temperature resistance is essential.

#### Functions:

The GB/T 18984 09Mn2VDG seamless steel pipes serve the following key functions:

**Low-Temperature Resistance:** These pipes are specifically designed to withstand low-temperature environments, ensuring the safe and efficient transportation of fluids in various industries.

**High Pressure Resistance:** The 09Mn2VDG grade steel used in these pipes exhibits excellent mechanical strength, enabling them to withstand high-pressure conditions encountered in demanding applications.

**Corrosion Resistance:** The seamless steel pipes are resistant to corrosion, ensuring long-term durability and reliability in corrosive environments.

**Seamless Construction:** The pipes are manufactured using seamless processing techniques, resulting in a smooth internal surface and uniform dimensions. This seamless construction minimizes the risk of leaks and enhances fluid flow efficiency.

#### Standard for GB/T18984 09Mn2VDG Seamless Steel Pipe:

Aspect	Description
Standard	GB/T 18984-2016
Grade	09Mn2VDG
Application	Suitable for low-temperature service and high-pressure applications

#### Chemical Composition:

Element	Typical Range (%)
Carbon (C)	0.08-0.15
Manganese (Mn)	1.80-2.10
Phosphorus (P)	≤ 0.025
Sulfur (S)	≤ 0.025
Silicon (Si)	≤ 0.35
Vanadium (V)	0.02-0.05
Nitrogen (N)	0.02-0.05

#### Mechanical Properties:

Property	Typical Range
Tensile Strength (MPa)	470-630
Yield Strength (MPa)	≥ 270
Elongation (%)	≥ 22
Impact Energy (J)	≥ 40 (at -40°C)

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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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