



## High-Pressure Seamless Steel Pipe For Fertilizer Equipment

### Our Product Introduction

#### Basic Information

- Place of Origin: cangzhou
- Brand Name: BaoYang
- Certification: ISO
- Model Number: 10、20、Q345B、12CrMo、12Cr5Mo
- 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 Pipes For Liquid Service
- Process: Hot Rolled Cold Rolled Cold Drawn
- Standards: 10、20、Q345B、12CrMo、12Cr5Mo
- Material: Carbon Steel Alloy Steel
- 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: **q345b seamless steel pipe,**  
**12crmo seamless steel pipe,**  
**q345b seamless stainless steel pipe**

## Product Description

### High-Pressure Seamless Steel Pipe for Fertilizer Equipment:

High-Pressure Seamless Steel Pipe for Fertilizer Equipment is a specialized product designed to meet the demanding requirements of the fertilizer industry. These pipes are specifically engineered to withstand high pressures and corrosive environments, ensuring efficient and reliable operation in fertilizer manufacturing processes. With their exceptional strength, chemical resistance, and precise construction, these pipes play a crucial role in the safe and efficient transportation of fertilizers.

### Product Description:

High-Pressure Seamless Steel Pipe for Fertilizer Equipment is manufactured using high-quality carbon steel or alloy steel. These pipes have a seamless construction, which ensures precise dimensions and smooth internal surfaces. They are available in various sizes and grades to meet the specific needs of fertilizer equipment. The pipes are designed to handle high-pressure conditions and resist corrosion, making them suitable for the harsh operating environment of fertilizer production.

### Product Parameters:

Parameter	Range/Value
Size Range	6 mm - 1200 mm
Wall Thickness	1 mm - 150 mm
Length	6 m - 18 m
Steel Grade	20G, 16Mn, 12CrMoG, etc.
Outer Diameter Tolerance	±0.5% max
Wall Thickness Tolerance	±10% max

### Mechanical Properties:

Mechanical Property	Minimum Value
Tensile Strength	550 MPa min
Yield Strength	450 MPa min
Elongation	20% min
Impact Toughness (Charpy V-notch)	20 J min

### Chemical Composition:

Element	Content Range
Carbon (C)	0.17-0.24%
Silicon (Si)	0.17-0.37%
Manganese (Mn)	0.70-1.00%
Phosphorus (P)	0.030% max
Sulfur (S)	0.030% max
Chromium (Cr)	0.25% max
Molybdenum (Mo)	0.15-0.30%

### Product Applications:

High-Pressure Seamless Steel Pipe for Fertilizer Equipment finds extensive applications in the fertilizer industry, including:

**Ammonia Synthesis:** These pipes are used for the transportation of ammonia gas, a vital component in the production of nitrogen-based fertilizers like urea and ammonium nitrate.

**Nitric Acid Production:** High-pressure seamless steel pipes are employed in the production of nitric acid, which is a key ingredient for manufacturing ammonium nitrate, a widely used fertilizer.

**Phosphoric Acid Production:** These pipes are utilized for the transportation of phosphoric acid, a primary raw material in the production of phosphate fertilizers.

**Urea Production:** High-pressure pipes are crucial for the transportation of raw materials, such as carbon dioxide and ammonia, in the urea manufacturing process.

### Product Advantages:

High-Pressure Seamless Steel Pipe for Fertilizer Equipment offers several advantages, including:

**High Pressure Resistance:** These pipes are designed to withstand high-pressure conditions, ensuring the safe and efficient transportation of fluids in fertilizer production.

**Corrosion Resistance:** The carbon steel or alloy steel composition and protective coatings on the pipes provide excellent resistance against corrosive substances present in fertilizer manufacturing processes.

**Precise Dimensions:** The seamless construction ensures precise dimensions and smooth internal surfaces, allowing for efficient flow and reducing pressure drop.

**Superior Strength:** The pipes exhibit high tensile strength and yield strength, making them capable of handling the demanding conditions and loads encountered in fertilizer equipment.

**Longevity:** The combination of high-quality materials and precise manufacturing techniques results in durable pipes that have a longer service life, reducing maintenance and replacement costs.

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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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