



## Industry Precision Seamless Steel Pipe Tubes For Hydraulic And Pneumatic Cylinders

Our Product Introduction

### Basic Information

- Place of Origin: cangzhou
- Brand Name: BaoYang
- Certification: CE & ISO
- Model Number: Carbon Steel Seamless Pipe
- 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: Carbon Steel Seamless Pipe
- 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: **industry precision seamless steel pipe, industry seamless stainless steel pipe, precision seamless stainless steel pipe**



for more products please visit us on [pipe-seamless.com](http://pipe-seamless.com)

## Product Description

### Precision Seamless Steel Tubes For Hydraulic And Pneumatic Cylinders

Precision inner diameter seamless steel tubes for hydraulic and pneumatic cylinders are high-precision tubes designed to meet the stringent requirements of hydraulic and pneumatic systems. These tubes are manufactured to close dimensional tolerances and are used as the primary components in the construction of cylinders that convert fluid pressure into linear motion. The seamless structure ensures the tubes have high pressure resistance and structural integrity, which is critical for the performance and safety of hydraulic and pneumatic systems.

#### Applications:

**Hydraulic Cylinders:** Used in various hydraulic systems for machinery and equipment that require precise control of force and movement.

**Pneumatic Cylinders:** Employed in pneumatic systems for applications needing clean, reliable, and energy-efficient linear motion.

**Industrial Machinery:** Commonly used in industrial machinery for automation and process control.

**Construction Equipment:** Utilized in heavy machinery for earthmoving, lifting, and other construction-related tasks.

**Automotive Industry:** Found in various automotive applications, including braking systems and power steering.

#### Functions:

**Pressure Containment:** Serve as a pressure-resistant barrier to contain hydraulic fluid or air pressure.

**Linear Actuation:** Convert pressure into linear motion to drive pistons and rams in cylinders.

**Load Support:** Support and lift heavy loads in various mechanical systems.

**Precision Movement:** Provide smooth and precise linear movement for controlled applications.

**Durability:** Offer long service life with resistance to wear and corrosion under pressure.

#### Key Features:

**High-Precision Dimensions:** Close tolerances on inner diameter, outer diameter, and wall thickness.

**Seamless Construction:** No welds to ensure uniform material properties and eliminate potential points of failure.

**Chemical Composition:** Designed with specific chemical compositions to achieve desired mechanical properties.

**Mechanical Properties:** Exhibit high tensile strength, yield strength, and elongation to withstand operational loads.

**Surface Finish:** Smooth inner and outer surfaces to reduce friction and enhance cylinder performance.

**Standard for Precision Inner Diameter Seamless Steel Tubes for Hydraulic and Pneumatic Cylinders:**

Aspect	Description
Standard	Q/BQB 264—2018 31 , GB/T 8713-1988 (Superseded) 34 , GB/T 32957-2016 40
Grade	Typically carbon steel grades such as 10, 20, and alloy steel grades like 45Mn, 27SiMn, and others suitable for hydraulic cylinder applications

#### Chemical Composition:

Element	Typical Range (%)
Carbon (C)	0.07-0.50 depending on the grade
Manganese (Mn)	0.20-1.60 depending on the grade
Silicon (Si)	Generally up to 0.60
Phosphorus (P)	Typically $\leq 0.035$
Sulfur (S)	Typically $\leq 0.035$

#### Mechanical Properties:

Property	Typical Range
Tensile Strength (MPa)	410-1100 depending on the grade
Yield Strength (MPa)	205-980 depending on the grade
Elongation (%)	$\geq 10\%$ (for most grades)
Hardness	Varies based on heat treatment

BAOYANG · CHINA

# PRODUCT DISPLAY

---







**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.



+8615131762322



BYpipe001@pipe-seamless.com



pipe-seamless.com

Room 512, Block B, Tiancheng Building, Yunhe District, Cangzhou City