

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

#### **Basic Information**

Place of Origin: cangzhouBrand Name: BaoYangCertification: 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

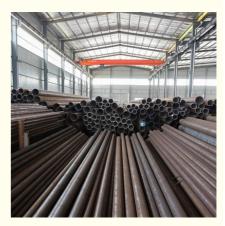
• Processing Service: Bending, Punching, Cutting

• Usage: Pipeline Transport, Oil/Gas Drilling,

Machinery Industry

Highlight: industry precision seamless steel pipe,

industry seamless stainless steel pipe, precision seamless stainless steel pipe



#### **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.

**Kev 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:

Asp ect	Description	
Stan dard	Q/BQB 264—2018 31, GB/T 8713-1988 (Superseded) 34, GB/T 32957-2016 40	
Gra de	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 ≤0.035
Sulfur (S)	Typically ≤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 (%)	≥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** 



team introduction

### **OUR FRIENDS**



**Applications** 

## BAOYANG · CHINA **APPLICATION SCENARIOS**



+8615131762322

BYpipe001@pipe-seamless.com

pipe-seamless.com

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