



45# Precision Medium Carbon Seamless Steel Pipe Cold Drawn Cold Rolled Hot Rolled

Basic Information

- Place of Origin: cangzhou
- Brand Name: BaoYang
- Certification: CE & ISO
- Model Number: ASTM/DIN/GB/EN/JIS
- 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 Carbon Steel Pipes
- Process: Hot Rolled Cold Rolled Cold Drawn
- Standards: ASTM/DIN/GB/EN/JIS
- 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: **carbon seamless steel pipe cold drawn, precision carbon seamless steel pipe, precision carbon steel pipe seamless**



Product Description

45# Precision Medium Carbon Seamless Steel Pipe:

Product Description: 45# Precision Medium Carbon Seamless Steel Pipes are high-precision tubes made from medium carbon steel. They are characterized by their seamless structure, which provides uniformity and strength. These pipes are manufactured to close tolerances, making them ideal for applications where precision is critical. The '45#' grade indicates a medium carbon steel with approximately 0.45% carbon content, offering good strength and hardness.

Product Parameter Specifications:

Parameter	Specification	Units
Standard	GB/T 8162, DIN 2391, EN 10305, ASTM A519	-
Grade	45#	-
Outer Diameter	Ranges from 6mm to 377mm depending on the specific application	mm
Wall Thickness	Varies with diameter; specific range per product specification	mm
Length	Typically 3m to 12m, customizable based on requirements	m
Tolerance	Close tolerances on diameter and wall thickness	-

Product Applications:

Mechanical Components: Used in the manufacturing of precision mechanical components requiring tight tolerances.

Automotive Industry: Suitable for the production of automotive parts where strength and precision are needed.

Hydraulic Systems: Ideal for hydraulic and pneumatic systems due to their precise internal diameters.

Instrumentation: Employed in the construction of precision instruments and devices.

Structural Parts: Utilized in structural applications where medium strength and good wear resistance are required.

Types of 45# Precision Medium Carbon Seamless Steel Pipes:

Precision Seamless Tubes: Designed for applications requiring close dimensional accuracy.

Cold-Drawn Tubes: Offer higher strength and better surface finish compared to hot-finished tubes.

Heat-Treated Tubes: Subjected to thermal treatment processes for enhanced mechanical properties.

Mechanical Properties:

Property	Typical Range/Value for 45# Steel	Units
Tensile Strength	600-1100 MPa	MPa
Yield Strength	≥ 355 MPa	MPa
Elongation	≥ 10% (for diameters ≤ 50mm)	%
	≥ 8% (for diameters > 50mm)	%

Chemical Composition:

Element	Typical Range (%) for 45# Steel
Carbon (C)	0.42-0.50
Manganese (Mn)	≤ 0.80
Phosphorus (P)	≤ 0.035
Sulfur (S)	≤ 0.035

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PRODUCT DISPLAY





Company Profile

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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

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