



GB/T 8162-1999 Seamless Steel Tube For Structural Purposes Cold Drawn Seamless Tubing

Our Product Introduction

Basic Information

- Place of Origin: cangzhou
- Brand Name: BaoYang
- Certification: CE & ISO
- Model Number: GB/T 8162-1999
- 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/T 8162-1999
- 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: **structural purposes cold drawn seamless tubing**
, gb seamless steel tube,
gb cold drawn seamless tubing

Product Description

GB/T 8162-1999 Seamless Steel Tubes for Structural Purposes

GB/T 8162-1999 is a Chinese national standard that specifies the technical requirements for seamless steel tubes used in structural applications. These tubes are widely utilized in various industries, including construction, machinery manufacturing, and transportation. This article aims to provide a comprehensive description of GB/T 8162-1999 Seamless Steel Tubes, covering their product description, parameter table, applications, and advantages.

Product Description:

GB/T 8162-1999 Seamless Steel Tubes for Structural Purposes are manufactured using high-quality carbon structural steel. These tubes are produced through hot-rolled or cold-drawn processes, ensuring a seamless and uniform structure. The tubes exhibit excellent dimensional accuracy, smooth surface finish, and superior mechanical properties, making them suitable for a wide range of structural applications.

Parameter Table:

Grade	Tensile Strength (MPa)	Yield Strength (MPa)	Elongation (%)	Impact Toughness (J/cm ²)	Carbon (C) (%)	Silicon (Si) (%)	Manganese (Mn) (%)	Phosphorus (P) (%)	Sulfur (S) (%)
10	≥335	≥205	≥25	≥27	0.07-0.13	0.17-0.37	0.35-0.65	≤0.035	≤0.035
20	≥410	≥245	≥20	≥27	0.17-0.23	0.17-0.37	0.35-0.65	≤0.035	≤0.035
35	≥510	≥305	≥17	≥27	0.32-0.39	0.17-0.37	0.50-0.80	≤0.035	≤0.035
45	≥590	≥335	≥14	≥27	0.42-0.50	0.17-0.37	0.50-0.80	≤0.035	≤0.035
16Mn	≥490	≥315	≥21	≥34	0.12-0.20	0.17-0.37	1.20-1.60	≤0.035	≤0.035
Q345B	≥490	≥345	≥21	≥34	0.12-0.20	0.17-0.37	1.20-1.60	≤0.035	≤0.035
Q345D	≥490	≥345	≥21	≥34	0.12-0.20	0.17-0.37	1.20-1.60	≤0.030	≤0.030
Q345E	≥490	≥345	≥21	≥34	0.12-0.20	0.17-0.37	1.20-1.60	≤0.025	≤0.025

Product Applications:

GB/T 8162-1999 Seamless Steel Tubes find extensive applications in the following areas:

Structural Engineering: These tubes are widely used in the construction of buildings, bridges, stadiums, and other structural frameworks. Their excellent strength and durability ensure structural stability and load-bearing capacity.

Machinery Manufacturing: These seamless tubes are utilized in the production of machinery components such as gears, shafts, and cylinders. Their precise dimensions, high tensile strength, and good machinability contribute to the efficient operation of machinery.

Transportation: GB/T 8162-1999 Seamless Steel Tubes are employed in the automotive, railway, and aerospace industries for manufacturing vehicle chassis, suspension systems, and other structural parts. Their reliability and resistance to mechanical stress make them suitable for demanding transportation applications.

Product Advantages:

GB/T 8162-1999 Seamless Steel Tubes offer several advantages that contribute to their widespread usage:

Excellent Mechanical Properties: The tubes exhibit high tensile strength, yield strength, and impact toughness, ensuring reliable performance under varying loads and conditions.

Seamless Structure: The seamless manufacturing process eliminates the presence of welds or joints, enhancing the structural integrity and reducing the risk of leakage or failure.

Dimensional Accuracy: GB/T 8162-1999 specifies strict dimensional tolerances, ensuring precise and consistent tube dimensions, which facilitates easy installation and compatibility with various components.

Wide Range of Grades: The standard offers a range of grades with different mechanical properties, enabling manufacturers to select the most suitable grade for specific applications.

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

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