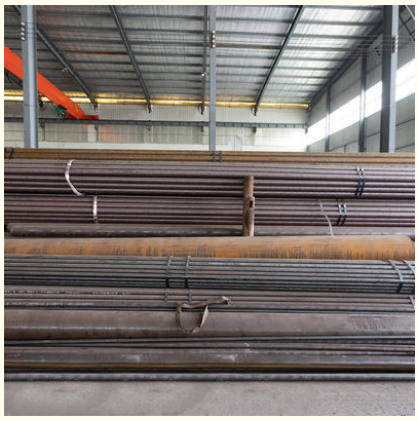
Seamless Cold Drawn Steel Tube For Low Temperature Heat Exchanger Tubes

Our Product Introduction

Basic Information

- Place of Origin: cangzhou
- Brand Name: BaoYang
- Certification: CE & ISO
- Model Number: GB/T18984 ASTM A333
- 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/T18984 ASTM A333
- 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: **cold drawn heat exchanger tubes**, **gb/t18984 heat exchanger tubes**, **gb/t18984 seamless cold drawn steel tube**

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Our Product Introduction

Product Description

Seamless Steel Pipe For Low Temperature Heat Exchanger Tubes

Low-temperature heat exchanger seamless steel pipes are specifically designed for use in heat exchanger systems operating under low-temperature conditions. These pipes are manufactured using specialized materials and processes to ensure their ability to withstand extreme cold temperatures and facilitate efficient heat transfer.

Applications:

Low-temperature heat exchanger seamless steel pipes find extensive applications in various industries, including:
HVAC (Heating, Ventilation, and Air Conditioning): These pipes are used in HVAC systems for heat exchange between hot and cold fluids. They are commonly employed in air conditioning systems, chillers, and refrigeration units.
Petrochemical Industry: Low-temperature heat exchanger pipes are utilized in petrochemical plants for the efficient transfer of heat between different process fluids. They play a crucial role in processes such as distillation, condensation, and evaporation.
Power Generation: These pipes are employed in power plants, particularly in heat exchangers used for cooling or heating fluids in the power generation process. They facilitate efficient heat transfer in systems such as boilers, steam turbines, and condensers.
Cryogenic Applications: Low-temperature heat exchanger pipes are used in cryogenic applications where extremely low temperatures are involved. They are employed in industries such as liquefied natural gas (LNG), aerospace, and research laboratories working with cryogenic fluids.
Functions:

Low-temperature heat exchanger seamless steel pipes serve the following key functions:
Low-Temperature Resistance: These pipes are designed to withstand extreme low temperatures encountered in heat exchanger systems. They maintain their mechanical properties and facilitate efficient heat transfer even at sub-zero temperatures.
Heat Transfer Efficiency: The seamless construction and specialized materials used in these pipes ensure optimal heat transfer between the hot and cold fluids. They minimize heat loss and maximize the efficiency of heat exchange processes.
Corrosion Resistance: Low-temperature heat exchanger pipes are often made from corrosion-resistant materials, such as stainless steel or alloy steel, to endure harsh operating conditions and resist chemical corrosion.
Seamless Construction: Seamless steel pipes offer uniform dimensions, smooth internal surfaces, and enhanced strength. This construction minimizes the risk of leaks, improves fluid flow efficiency, and ensures the integrity of the heat exchanger system.
Standard for Low-Temperature Heat Exchanger Seamless Steel Pipes:

Aspect	Description
Standards	ASME SA333, ASTM A668, EN 10216-2, GB/T 3531, JIS G3115, etc.
Grades	Common grades include SA333 Grade 6, 16MnD5, 09Mn2VD5, etc.

Chemical Composition:

Element	Typical Range (%) for Selected Grades
Carbon (C)	0.05-0.30 (varies by grade)
Manganese (Mn)	0.50-1.00 (varies by grade)
Phosphorus (P)	≤ 0.025 (for most grades)
Sulfur (S)	≤ 0.025 (for most grades)
Silicon (Si)	≤ 0.35 (for most grades)
Nickel (Ni)	1.00-3.00 (for Ni-containing grades)
Chromium (Cr)	0.50-1.00 (for Cr-containing grades)
Molybdenum (Mo)	0.20-0.35 (for Mo-containing grades)

Mechanical Properties:

Property	Typical Range for Selected Grades
Tensile Strength (MPa)	380-620 (varies by grade and thickness)
Yield Strength (MPa)	205-450 (varies by grade)
Elongation (%)	≥ 20% (for most grades, varies by thickness)
Impact Energy (J)	≥ 40 (at -40°C or lower, varies by grade)

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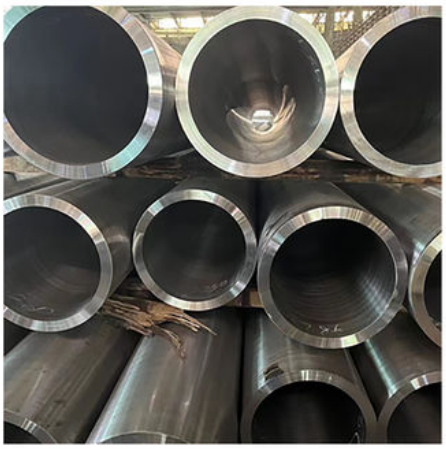
PRODUCT DISPLAY




Company Profile

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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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APPLICATION SCENARIOS

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