



ASTM A192 A179 A178 Pipe Carbon Steel Seamless Tube For High Pressure

Our Product Introduction

Basic Information

- Place of Origin: cangzhou
- Brand Name: BaoYang
- Certification: CE & ISO
- Model Number: ASTM A192 A179 A178
- 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 Tube
- Process: Hot Rolled Cold Rolled Cold Drawn
- Standards: ASTM/ASME/DIN/En
- 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: **a178 pipe carbon steel seamless, astm pipe carbon steel seamless, astm carbon steel seamless steel pipe**



Product Description

ASTM A192, A179, A178 Carbon Seamless Tubes for High Pressure

1. Product Description: ASTM A192, A179, and A178 Carbon Seamless Tubes are high-pressure steam service tubes designed for use in boiler and superheater applications. These tubes are manufactured from carbon steel and are seamless, ensuring a uniform wall thickness and exceptional resistance to internal pressures. The seamless construction also provides enhanced durability and reliability, making these tubes ideal for critical high-pressure applications.

2. Product Parameters:

Parameter	Description
Grades	ASTM A192, A179, A178
Material	Carbon Steel (Seamless)
Standard	ASTM A192, ASTM A179, ASTM A178
Size Range	Various diameters and wall thicknesses as per ASTM standards
Length	Standard lengths, customizable upon request
Ends	Plain ends, beveled ends, threaded, or socket-weld ends
Surface Treatment	As-rolled, annealed, or normalized

3. Mechanical Properties:

Property	ASTM A192/A179/A178 Requirement
Tensile Strength	≥415 MPa (60,000 psi) for all grades
Yield Strength	≥240 MPa (35,000 psi) for A192, varies for A179 and A178 based on specific product forms
Elongation	≥20% in 50 mm (2 in) for A192, varies for A179 and A178 based on product forms
Hardness	Varies depending on heat treatment and specific grade

4. Chemical Composition:

Element	Typical Range (%) for ASTM A192/A179/A178
Carbon	0.15 - 0.30
Manganese	0.35 - 0.60
Phosphorus	≤ 0.025
Sulfur	≤ 0.025
Silicon	≤ 0.35

5. Product Uses:

Boiler Tubes: Used in power and industrial boilers for steam generation.

Superheater Tubes: Employed in superheater sections of steam power plants to raise steam temperature.

Heat Exchangers: Suitable for use in shell and tube heat exchangers operating under high pressure.

Pressure Vessels: Utilized in the construction of high-pressure vessels and reactors.

Refineries: Ideal for high-temperature and high-pressure pipelines in oil refineries.

6. Product Grade Standards:

ASTM A192: Specifies requirements for seamless carbon steel boiler tubes for high-pressure service.

ASTM A179: Covers minimum-wall-thickness, seamless cold-drawn low-carbon steel boiler and superheater tubes.

ASTM A178: Specifies the requirements for electric-resistance-welded (ERW) carbon steel boiler and superheater tubes.

Product Image



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



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