



ASME SA213 T11 T22 T91 T12 T92 T5 T9 Seamless Carbon Steel Tube For Boiler

Our Product Introduction

Basic Information

- Place of Origin: cangzhou
- Brand Name: BaoYang
- Certification: CE & ISO
- Model Number: ASME SA213 T11 T22 T91 T12 T92 T5 T9
- 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: High Pressure Boiler Steel Pipe
- Process: Hot Rolled Cold Rolled Cold Drawn
- Standards: ASME SA213 T11 T22 T91 T12 T92 T5 T9
- 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: **boiler pipe carbon steel seamless, boiler seamless carbon steel tube, asme sa213 pipe carbon steel seamless**

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Product Description

ASME SA213 T11, T22, T91, T12, T92, T5, T9 Seamless Steel Tubes for Boilers: High-Performance Alloy Solutions

1. Product Description: ASME SA213 T11, T22, T91, T12, T92, T5, and T9 Seamless Steel Tubes are specifically engineered for use in boiler applications where high temperatures and pressures are the norm. These tubes are seamless, ensuring uniform wall thickness and superior mechanical properties that are critical for the safety and efficiency of boiler systems.

2. Product Parameters:

Parameter	Description
Grades	ASME SA213 T11, T22, T91, T12, T92, T5, T9
Material	Alloy Steel (Seamless)
Standard	ASME SA213
Size Range	Various diameters and wall thicknesses as per ASME SA213
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	Requirement by Grade
Tensile Strength	Varies by grade, typically from ≥ 415 MPa to ≥ 620 MPa (60,000 to 90,000 psi)
Yield Strength	Varies by grade, typically from ≥ 205 MPa to ≥ 415 MPa (30,000 to 60,000 psi)
Elongation	Typically $\geq 20\%$ in 50 mm (2 in) or 4D, whichever is greater
Hardness	Varies depending on heat treatment and specific grade

4. Chemical Composition:

Element	Typical Range (%) by Grade (Examples)
Carbon	Varies, e.g., T11: 0.05-0.15
Chromium	Some grades contain chromium, e.g., T91: 8.00-9.50
Molybdenum	Varies, e.g., T22: 0.30-0.45
Phosphorus	≤ 0.025 (common across grades)
Sulfur	≤ 0.025 (common across grades)
Silicon	Typically ≤ 0.50

5. Product Uses:

Boiler Tubes: Designed for the safe and efficient transfer of heat in high-pressure boilers.

Superheater Tubes: Used to increase the temperature of steam beyond the boiler's saturation point.

Heat Exchangers: Suitable for use in heat exchangers that operate under demanding conditions.

Pressure Vessels: Ideal for construction of high-pressure vessels and reactors in petrochemical and refining industries.

6. Product Grade Standards:

ASME SA213: This standard covers seamless ferritic and austenitic alloy-steel boiler, superheater, and heat-exchanger tubes. The grades T11, T22, T91, T12, T92, T5, and T9 are particularly designed for their high-temperature and high-pressure capabilities.

Conclusion: ASME SA213 T11, T22, T91, T12, T92, T5, and T9 Seamless Steel Tubes for boiler applications offer a range of alloy options to meet the diverse needs of the power generation and industrial sectors. Their seamless construction and adherence to ASME SA213 standards ensure that these tubes provide a reliable and durable solution for critical boiler and heat exchanger systems.

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

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