



GB/T9948 12Cr9Mo Alloy Seamless Steel Tubes For Petroleum Cracking

Our Product Introduction

Basic Information

- Place of Origin: cangzhou
- Brand Name: BaoYang
- Certification: CE & ISO
- Model Number: GB/T9948 12Cr9Mo
- 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 Alloy Steel Pipes
- Process: Hot Rolled Cold Rolled Cold Drawn
- Standards: GB/T9948 12Cr9Mo
- Material: Alloy Steel Pipe
- Wall Thickness: 1-30mm (0.04 Inch - 0.78 Inch)
- Outer Diameter: 10-324mm
- Processing Service: Bending, Punching, Cutting
- Usage: Pipeline Transport, Oil/Gas Drilling, Machinery Industry
- Highlight: **gb alloy seamless pipe,
gb/t9948 alloy seamless pipe,
gb alloy seamless steel pipe**



Product Description

GB/T9948 12Cr9Mo Alloy Seamless Steel Tubes for Petroleum Cracking

1. Product Description: GB/T9948 12Cr9Mo Alloy Seamless Steel Tubes are specifically engineered for use in the petroleum refining industry, particularly within cracking processes. These tubes are manufactured from an alloy steel that provides exceptional resistance to corrosion, high temperatures, and the pressures encountered in cracking units. The seamless design ensures a uniform wall thickness and superior structural integrity, which is critical for maintaining safety and efficiency in high-pressure environments.

2. Product Parameters:

Parameter	Description
Grade	GB/T9948 12Cr9Mo
Material	Alloy Steel (Seamless)
Standard	GB/T9948
Size Range	Various diameters and wall thicknesses as per GB/T9948
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	Typical Requirements
Tensile Strength	≥415 MPa (60,000 psi)
Yield Strength	≥240 MPa (35,000 psi)
Elongation	≥20% in 50 mm (2 in) or 4D, whichever is greater
Hardness	Varies depending on heat treatment

4. Chemical Composition:

Element	Typical Range (%)
Carbon	0.08 - 0.16
Chromium	8.00 - 10.00
Molybdenum	0.40 - 0.60
Manganese	≤1.00
Phosphorus	≤0.025
Sulfur	≤0.025

5. Product Applications:

Petroleum Cracking: Used in cracking furnaces for the production of lighter hydrocarbons.

Heat Exchangers: Ideal for use in heat exchangers within refineries.

Pressure Vessels: Suitable for construction of high-pressure vessels in the petrochemical industry.

Pipelines: Employed in pipelines that transport high-temperature and high-pressure fluids.

6. Product Advantages:

Seamless Construction: Ensures no weak points and provides a consistent material structure.

High-Temperature Resistance: Alloy steel composition offers excellent resistance to the high temperatures found in cracking processes.

Corrosion Resistance: The addition of chromium and molybdenum enhances the tubes' resistance to corrosion.

Pressure Resistance: Designed to withstand the high pressures encountered in petroleum refining.

Long Service Life: Built to last with minimal maintenance, reducing downtime and replacement costs.

7. Conclusion: GB/T9948 12Cr9Mo Alloy Seamless Steel Tubes for Petroleum Cracking are a reliable choice for the demanding conditions of the petroleum refining industry. Their seamless construction, alloy composition, and adherence to GB/T9948 standards ensure that these tubes provide a durable and efficient solution for high-pressure and high-temperature applications. These tubes contribute to the safety and efficiency of petroleum cracking processes, making them an asset to any refinery.

Product Image

Cangzhou Baoyang Pipeline Co., Ltd





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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