



GB 9948 Alloy Seamless Carbon Steel Pipe Petroleum Cracking Steel Pipeline

Our Product Introduction

Basic Information

- Place of Origin: cangzhou
- Brand Name: BaoYang
- Certification: CE & ISO
- Model Number: GB 9948
- 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 Petroleum Cracking Pipes
- Process: Hot Rolled Cold Rolled Cold Drawn
- Standards: GB 9948
- 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: **petroleum cracking steel pipeline, seamless carbon steel pipe petroleum cracking, gb steel pipeline**



Product Description

GB 9948 Alloy Seamless Steel Petroleum Cracking Pipes / Tubes:

GB 9948 Alloy Seamless Steel Petroleum Cracking Pipes / Tubes are specialized products designed for high-temperature and high-pressure petroleum cracking operations. These seamless pipes are manufactured using alloy steel and meet the requirements of GB 9948, a Chinese standard for seamless steel tubes for petroleum cracking. With their superior mechanical properties, excellent chemical composition, and precise dimensions, these pipes are widely used in the petroleum industry for the transportation of hydrocarbons and other fluids in cracking processes.

Product Description:

GB 9948 Alloy Seamless Steel Petroleum Cracking Pipes / Tubes are specifically designed for petroleum cracking operations in high-temperature and high-pressure environments. These pipes have a seamless construction, ensuring precise dimensions and smooth internal surfaces for efficient fluid flow. They are available in various sizes, with diameters ranging from 6 mm to 168.3 mm, and wall thicknesses ranging from 1 mm to 20 mm. The pipes are manufactured using alloy steel, providing exceptional strength, heat resistance, and corrosion resistance for demanding petroleum cracking applications.

Product Parameters:

Parameter	Range/Value
Diameter Range	6 mm - 168.3 mm
Wall Thickness	1 mm - 20 mm
Length	5.8 m - 12 m
Steel Grade	12CrMo, 15CrMo, 20CrMo
Outer Diameter Tolerance	±0.75% max
Wall Thickness Tolerance	±12.5% max

Mechanical Properties:

Mechanical Property	12CrMo	15CrMo	20CrMo
Tensile Strength (MPa)	410-550	440-640	490-650
Yield Strength (MPa)	205 min	225 min	245 min
Elongation (%)	20 min	20 min	20 min
Hardness (HB)	179 max	179 max	179 max

Chemical Composition:

Element	12CrMo Content Range	15CrMo Content Range	20CrMo Content Range
Carbon (C)	0.08-0.15%	0.12-0.18%	0.17-0.24%
Silicon (Si)	0.17-0.37%	0.17-0.37%	0.17-0.37%
Manganese (Mn)	0.40-0.70%	0.40-0.70%	0.40-0.70%
Phosphorus (P)	0.035% max	0.035% max	0.035% max
Sulfur (S)	0.035% max	0.035% max	0.035% max
Chromium (Cr)	0.80-1.10%	0.80-1.10%	0.80-1.10%
Molybdenum (Mo)	0.45-0.65%	0.45-0.65%	0.25-0.35%

Product Applications:

GB 9948 Alloy Seamless Steel Petroleum Cracking Pipes / Tubes are extensively used in the petroleum industry for various applications, including:

Petroleum Cracking: These pipes are specifically designed for high-temperature and high-pressure petroleum cracking operations, where hydrocarbon molecules are broken down into smaller molecules to produce valuable products such as gasoline, diesel, and petrochemical feedstocks. The alloy steel composition provides excellent strength, heat resistance, and corrosion resistance for the transportation of fluids in cracking processes.

Refineries: Seamless alloy steel pipes are essential components in refineries for the transportation of crude oil, intermediate products, and refined petroleum products between processing units, especially in units with high-temperature cracking processes.

Petrochemical Plants: These pipes find applications in petrochemical plants for the transportation of various fluids, including feedstocks, intermediates, and final products, particularly in processes requiring high-temperature resistance.

Oil and Gas Pipelines: GB 9948 Alloy Seamless Steel Petroleum Cracking Pipes / Tubes can be used in oil and gas pipelines for the transportation of petroleum products over long distances, especially in areas with high-temperature and high-pressure conditions.

Product Advantages:

GB 9948 Alloy Seamless Steel Petroleum Cracking Pipes / Tubes offer several advantages, including:

High Strength and Heat Resistance: The alloy steel composition provides exceptional strength and heat resistance, allowing the pipes to withstand the high-temperature and high-pressure conditions of petroleum cracking operations.

Corrosion Resistance: These pipes have excellent corrosion resistance, protecting against the corrosive effects of hydrocarbons and other fluids encountered in petroleum cracking processes.

Precise Dimensions and Smooth Surfaces: The seamless construction and precise dimensions of these pipes result in smooth internal surfaces, reducing friction and pressure drop during fluid flow, thereby improving overall system efficiency.

Superior Mechanical Properties: GB 9948 Alloy Seamless Steel Petroleum Cracking Pipes / Tubes exhibit excellent mechanical properties, including high tensile strength, yield strength, and elongation, ensuring their durability and reliability in

demanding cracking applications.

Wide Range of Steel Grades: The product range includes various steel grades such as 12CrMo, 15CrMo, and 20CrMo, providing options to meet specific application requirements.

Versatile Applications: These pipes find extensive use in petroleum cracking processes, refineries, petrochemical plants, and oil and gas pipelines, demonstrating their versatility and adaptability to different industry needs.

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

BAOYANG · CHINA APPLICATION SCENARIOS



Cangzhou Baoyang Pipeline Equipment Co., Ltd.



+8615131762322



BYpipe001@pipe-seamless.com



pipe-seamless.com

Room 512, Block B, Tiancheng Building, Yunhe District, Cangzhou City