



Petroleum Cracking Alloy Seamless Steel Pipe ASME SA53 Carbon Steel Pipe

Our Product Introduction

Basic Information

- Place of Origin: cangzhou
- Brand Name: BaoYang
- Certification: CE & ISO
- Model Number: Tubes For Oil Cracking Process
- 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 Pipes
- Process: Hot Rolled Cold Rolled Cold Drawn
- Standards: ASME SA53, ASTM A106
- 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: petroleum cracking alloy seamless steel pipe , petroleum cracking seamless alloy steel pipe , astm alloy seamless steel pipe



Product Description

Petroleum Cracking Alloy Seamless Steel Pipes/Tubes

Product Description: Petroleum Cracking Alloy Seamless Steel Pipes/Tubes are engineered to meet the rigorous demands of the petrochemical industry, specifically for use in processes such as ethylene production and other catalytic cracking operations. These pipes are manufactured from high-strength, heat-resistant alloy steel, ensuring they can withstand the extreme temperatures and pressures characteristic of petroleum cracking units.

Advantages:

Alloy Composition: Provides superior heat and pressure resistance compared to standard carbon steel.

Seamless Design: Eliminates potential weaknesses at the seams, enhancing the structural integrity.

Longevity: Designed for extended service life, reducing maintenance and replacement costs.

Uniform Wall Thickness: Ensures consistent heat transfer and pressure resistance throughout the pipe.

Resistance to Corrosion: Alloying elements enhance resistance to corrosive environments.

Product Parameter Table:

Attribute	Specification
Standard	ASTM A333, ASTM A335, ASME SA333, ASME SA335
Material Grade	33 Grade 1, 33 Grade 6, 335 Grade P1, 335 Grade P11, etc.
Diameter Range	Typically from 1/8" to 24" (varies by manufacturer)
Wall Thickness	Varies with diameter and application requirements
Length	Standard lengths available; custom lengths upon request

Mechanical Properties:

Property	Typical Values
Tensile Strength	485-620 MPa
Yield Strength	240-415 MPa
Elongation	≥ 20% (for most grades)

Chemical Composition:

Element	Typical Range (%)
C	0.12-0.30
Mn	0.35-0.60
Si	≤ 0.50
Cr	0.40-0.75 (for some grades)
Mo	0.20-0.35 (for some grades)
P	≤ 0.025
S	≤ 0.025

Diameter Tolerances:

The tolerances for outer diameter are typically $\pm 1\%$ of the nominal diameter or ± 0.125 mm, whichever is greater.

Applications:

Petroleum Refineries: Used in the piping systems for transporting and cracking heavy hydrocarbons.

Chemical Plants: Ideal for high-temperature chemical processing and reaction vessels.

Heat Exchangers: Suitable for use in heat exchangers that require high thermal efficiency and resistance to thermal shock.

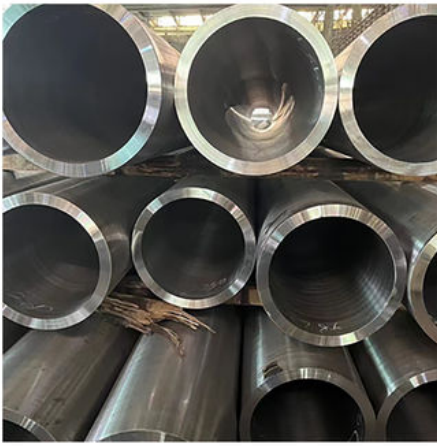
Pressure Vessels: Employed in the construction of vessels for high-pressure chemical reactions.

Gas Processing: Utilized in gas processing plants for the transportation of natural gas and other gases.

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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



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