



API Spec 5L Carbon Seamless Steel Pipe Psl1 Psl2 X42ns X52n Api 5L Seamless Pipe

Our Product Introduction

Basic Information

- Place of Origin: cangzhou
- Brand Name: BaoYang
- Certification: CE & ISO
- Model Number: API Spec 5L
- 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: Psl1 Psl2 X42ns X52n Carbon Steel Pipes
- Process: Hot Rolled Cold Rolled Cold Drawn
- Standards: ASTM/ASME/DIN/En
- Material: A53 Gr/A GRB, 106 GR.A GR.B
- Wall Thickness: 1-20mm (0.04 Inch - 0.78 Inch)
- Outer Diameter: 6-2500mm
- Processing Service: Bending, Punching, Cutting
- Usage: Casing Tube Boiler Pipe
- Highlight: en api 5l seamless pipe,
a53 api 5l seamless pipe,
en api 5l gr b seamless pipe



Product Description

API Spec 5L Carbon Seamless Steel Pipes: PSL 1, PSL 2, X42NS, and X52N

1. Product Description: API Spec 5L Carbon Seamless Steel Pipes are designed for use in the petroleum and natural gas industries, particularly for pipeline transportation systems. These pipes are manufactured to meet the specifications outlined in the American Petroleum Institute (API) Specification 5L, which categorizes them into two Performance Service Levels (PSL 1 and PSL 2) based on their intended use and required mechanical properties. The 'X' followed by a number indicates the minimum yield strength of the steel in kilopounds per square inch (ksi).

2. Product Parameters:

Parameter	Description
Grades	PSL 1, PSL 2, X42NS, and X52N
Material	Carbon Steel (Seamless)
Standard	API Specification 5L
Size Range	Various diameters and wall thicknesses as per API 5L
Length	Standard lengths available, customizable upon request
Ends	Plain ends, beveled ends, threaded, or socket-weld ends
Surface Treatment	As-rolled, normalized, or annealed

3. Product Advantages:

Seamless Construction: Provides uniform wall thickness and enhanced resistance to internal pressures.

High-Strength Steel: Suitable for high-pressure pipeline applications.

Reliable Performance: PSL 2 offers additional testing and inspection requirements for higher reliability.

Corrosion Resistance: Designed for resistance to various environmental conditions.

Cost-Effective: Offers a balance of quality and affordability for pipeline projects.

4. Product Uses:

Oil and Gas Pipelines: Used for the transportation of oil, natural gas, and other petroleum products.

Offshore Platforms: Ideal for use in offshore oil and gas extraction platforms.

Refineries: Suitable for use in refinery pipeline systems.

Water and Slurry Transportation: Can be used for transporting water and slurries in certain conditions.

5. Executing Standards:

API Spec 5L: The pipes are manufactured in compliance with API Specification 5L, ensuring quality and reliability for pipeline applications.

6. Mechanical Properties:

Property	X42NS and X52N Requirement
Tensile Strength	415-535 MPa (60-77 ksi) for X42NS, 460-590 MPa (67-85 ksi) for X52N
Yield Strength	Minimum 42 ksi (290 MPa) for X42NS, Minimum 52 ksi (360 MPa) for X52N
Elongation	≥22% in 8 in (200 mm) or 50 mm (2 in), whichever is greater
Hardness	Varies depending on heat treatment and steel grade

7. Chemical Composition:

Element	Typical Range (%) for Carbon Steel in API 5L
Carbon	0.26 - 0.33
Manganese	0.40 - 0.80
Phosphorus	≤ 0.025
Sulfur	≤ 0.025
Silicon	0.10 - 0.35

Conclusion: API Spec 5L Carbon Seamless Steel Pipes, available in PSL 1, PSL 2, X42NS, and X52N grades, are specifically engineered for the demanding conditions of the oil and gas industry. Their seamless construction and adherence to API Spec 5L standards make them a reliable choice for pipeline applications where high strength and corrosion resistance are required. The different grades offer varying levels of mechanical properties to suit a range of high-pressure and high-temperature applications.

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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