



API 5L PSL-1 Seamless Lined Carbon Steel Pipe / Alloy Steel Tube

Basic Information

- Place of Origin: cangzhou
- Brand Name: BaoYang
- Certification: CE & ISO
- Model Number: API 5L PSL-1
- 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 Pipe
- Process: Hot Rolled Cold Rolled Cold Drawn
- Standards: API 5L PSL-1
- 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: **api 5l alloy steel tube ,
api 5l lined carbon steel pipe ,
gas alloy steel tube**



Product Description

API 5L PSL-1 Seamless Carbon Steel Line Pipe / Tubes

API 5L PSL-1 Seamless Steel Line Pipe / Tubes are manufactured to meet the stringent requirements of the American Petroleum Institute's Specification 5L, which is specifically designed for the petroleum and natural gas industries. PSL-1, which stands for Product Specification Level 1, indicates a particular set of standards that these pipes must adhere to.

Introduction: API 5L PSL-1 Seamless Steel Line Pipe / Tubes are engineered for pipeline transportation systems and are available in both seamless and welded varieties. These pipes are designed to convey oil, gas, and water, and are suitable for onshore and offshore applications. The seamless construction ensures a uniform material structure, providing superior pressure resistance and reliability compared to welded pipes.

Key Features:

Seamless Construction: Offers a continuous material structure without any welds, reducing the risk of leaks and failures.

High-Quality Steel: Made from high-quality carbon steel with precise chemical composition and mechanical properties.

Dimensional Accuracy: Manufactured to close dimensional tolerances to ensure a perfect fit in pipeline systems.

Pressure Resistance: Designed to withstand high internal pressures, making them ideal for high-pressure applications.

Corrosion Resistance: Suitable for various environments, including those with corrosive substances.

Applications:

Oil and Gas Industry: Used for transporting oil, natural gas, and petroleum products in both onshore and offshore pipelines.

Water Supply Systems: Employed in high-pressure water supply systems for industrial and municipal use.

Refineries and Petrochemical Plants: Utilized in the construction of pipelines within refineries and petrochemical plants for fluid transport.

Gas Distribution Networks: Suitable for the construction of gas distribution networks in urban and rural areas.

Structural Applications: Used as structural components in various heavy-duty applications due to their strength and durability.

Chemical Composition and Mechanical Properties: The chemical composition and mechanical properties of API 5L PSL-1 pipes are defined by the API 5L specification, ensuring that the pipes meet the necessary criteria for steel chemistry, strength, toughness, and dimensional characteristics.

Manufacturing Processes: API 5L PSL-1 pipes can be manufactured using various processes, including hot-forming for seamless pipes and different welding techniques for welded pipes.

Quality Assurance: Manufacturers of API 5L PSL-1 pipes are committed to quality, ensuring that the pipes can withstand the demands of challenging environments and are executed with precision and durability.

Tolerance on Dimensions

Standard	Out Diameter		Wall Thickness
	Tolerance		Tolerance
API 5L	D<60.3	+0.41mm, -0.80mm	+15.0%, -12.5%
	D≥60.3	+0.75%D, -0.75%D	+15.0%, -12.5%

Standard

Standard	Grade	Chemical Components (%)					Mechanical Properties	
		C	Si	Mn	P	S	Tensile STrength(Mpa)	Yield STrength(Mpa)
API 5L PSL1	A	0.22	-	0.90	0.030	0.030	≥331	≥207
	B	0.28	-	1.20	0.030	0.030	≥414	≥241
	X42	0.28	-	1.30	0.030	0.030	≥414	≥290
	X46	0.28	-	1.40	0.030	0.030	≥434	≥317
	X52	0.28	-	1.40	0.030	0.030	≥455	≥359
	X56	0.28	-	1.40	0.030	0.030	≥490	≥386
	X60	0.28	-	1.40	0.030	0.030	≥517	≥448
	X65	0.28	-	1.40	0.030	0.030	≥531	≥448
	X70	0.28	-	1.40	0.030	0.030	≥565	≥483
API 5L PSL2	B	0.24	-	1.20	0.025	0.015	≥414	≥241
	X42	0.24	-	1.30	0.025	0.015	≥414	≥290
	X46	0.24	-	1.40	0.025	0.015	≥434	≥317
	X52	0.24	-	1.40	0.025	0.015	≥455	≥359
	X56	0.24	-	1.40	0.025	0.015	≥490	≥386
	X60	0.24	-	1.40	0.025	0.015	≥517	≥414
	X65	0.24	-	1.40	0.025	0.015	≥531	≥448
	X70	0.24	-	1.40	0.025	0.015	≥565	≥483
	X80	0.24	-	1.40	0.025	0.015	≥621	≥552

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