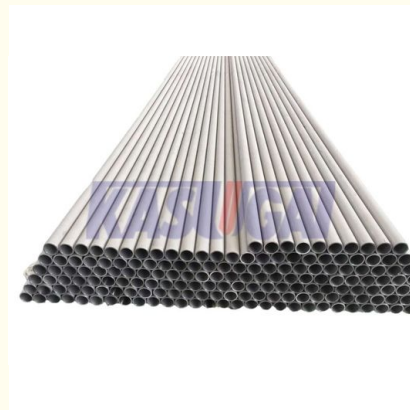


ASTM A312 304/L 1/2" SMLS Pipe SCH 80S 6M Seamless Stainless Steel Pipe

Our Product Introduction

Basic Information

- Place of Origin: CHINA
- Brand Name: KASUGAI
- Certification: ISO-9001; PED; AD 2000
- Model Number: STAINLESS STEEL; DUPLEX ; SUPER DUPLEX
- Minimum Order Quantity: TO BE NEGOTIATED
- Price: PER BASE MATERIAL PRICE
- Packaging Details: SEAWORTHY PACKING
- Delivery Time: 60 DAYS FOR ONE CONTAINER
- Payment Terms: L/C, D/A, D/P, T/T
- Supply Ability: 200 TONS / MONTH



Product Specification

- Product Name: SCH 80S Seamless Stainless Steel Pipe
- Standards: ASTM A312 304/L
- Outer Diameter: 1/2"
- Wall Thickness: Sch80S
- Length: 6m Length
- End Process: Plain Ends, Beveled Ends, Threaded Ends
- Applications: Oil And Gas Exploration, Refining And Processing, Petrochemical Plants
- Type: Seamless, Welded, round Pipe / Tube
- Highlight: **6M Seamless Stainless Steel Pipe,
80S Seamless Stainless Steel Pipe**

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Product Description

ASTM A312 304/L 1/2" SMLS Pipe SCH 80S 6M Seamless Stainless Steel Pipe

Seamless Stainless Steel Pipe Information

ASTM A312 is a specification from the American Society for Testing and Materials (ASTM) that outlines the requirements for seamless, welded, and heavily cold worked austenitic stainless steel pipes. In your specific case, "304/L" refers to the grade of stainless steel, and "1/2" SMLS" indicates a 1/2-inch size seamless pipe.

Standardized Dimensions and Tolerances: ASTM A312 provides standardized dimensions and tolerances for stainless steel pipes. This ensures consistency and interchangeability of pipes produced by different manufacturers, facilitating easier integration into systems and compatibility with fittings and other components.

Grade 304/L: The "304" grade stainless steel is a widely used austenitic stainless steel alloy. It contains a composition of 18% chromium and 8% nickel, which provides excellent corrosion resistance, high-temperature strength, and good formability. The "L" designation indicates that the material has a lower carbon content, which helps to minimize sensitization and improve weldability.

ASTM A312 is a widely recognized specification for seamless, welded, and heavily cold worked austenitic stainless steel pipes. It covers various grades of stainless steel and specifies dimensions, mechanical properties, testing requirements, and acceptable manufacturing practices.

Product Name	ASTM A312 304/L 1/2" SMLS Pipe SCH 80S 6M Seamless Stainless Steel Pipe
Standards	ASTM A312 304/L
Outer Diameter	1/2"
Wall Thickness	Sch80S
Length	6m
End Process	Plain Ends, Beveled Ends, Threaded Ends
Origin	China

STAINLESS STEEL PIPES					
ASTM A213; ASTM A269; ASTM A312; ASTM A789; ASTM A790; EN10216-5; JIS 3463; JIS 3459;					
SIZE AVAILABLE					
SIZE RANGE	OD	WALL THICKNESS	LENGTH	SURFACE	
SEAMLESS	1/2"--18"	UP TO 20mm	FIXED / RANDOM	PICKLING & PASSIVATION	BRIGHT ANNEAL ED
WELDED	3/4"--36"	UP TO 36mm			
TESTING & INSPECTION					
NDT TESTING	MECHANICAL TESTING	CHEMICAL ANALYSIS	SPECTRUM ANALYSIS	SIZE INSPECTION	SURFACE INSPECTION
UT; RT; EDDY CURRENT	TENSION/TENSILE; IMPACT; HARDNESS; HYDRAULIC	METALLOGRAPHIC; LOW TEMPERATURE	SPECTROMETER	CALIPER; GAUGE	VISUALIZATION
APPLICATION					
PETRO CHEMICAL INDUSTRY	HEAT EXCHANGE	AERO SPACE	PHARMACEUTICAL EQUIPMENTS	BOILER	NUCLEAR

MATERIAL AVAILABLE							
304/L	310/S	316/L	317/L	321/H	347/H	316 Ti	904L/N08904
1.4301 / 1.4307	1.4845	1.4401 / 1.4404	1.4439	1.4541	1.4550	1.4571	1.4539
S31803/F51	S32750/F53	S32750/F55	S31254/F44				
1.4462	1.441	1.4501	1.4547				



Faqs

Q1. What is the difference between seamless stainless steel pipes and welded stainless steel pipes?

Seamless stainless steel pipes are manufactured without any welding seams, while welded stainless steel pipes are made by joining stainless steel plates or coils together using various welding techniques. Seamless pipes offer better strength, corrosion resistance, and pressure containment, while welded pipes are generally more cost-effective and suitable for less demanding applications.

Q2. What are the advantages of using seamless stainless steel pipes?

Seamless stainless steel pipes offer several advantages, including:

Stronger and more reliable due to the absence of welding seams.

Better corrosion resistance due to the smooth internal surface.

Ability to handle higher pressure and temperature conditions.

Enhanced aesthetics with a clean and smooth appearance.

Improved flow characteristics due to the absence of internal obstructions.

Q3. What are the common grades of seamless stainless steel pipes?

Common grades of seamless stainless steel pipes include 304/304L, 316/316L, 321, and 904L. These grades offer varying levels of corrosion resistance, mechanical properties, and temperature resistance. The selection of the grade depends on the specific application and environmental conditions.

Q4. What industries use seamless stainless steel pipes?

Seamless stainless steel pipes find applications in a wide range of industries, including oil and gas, petrochemical, power generation, pharmaceuticals, food and beverage, water treatment, aerospace, automotive, and architectural sectors. They are commonly used for conveying fluids, gases, and corrosive materials in various processes.

Q5. What are the available sizes for seamless stainless steel pipes?

Seamless stainless steel pipes are available in a broad range of sizes, typically specified using the nominal pipe size (NPS) and the schedule, which indicates the wall thickness. Common NPS sizes range from 1/8 inch to 48 inches or more, and different schedule numbers represent varying wall thicknesses.

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