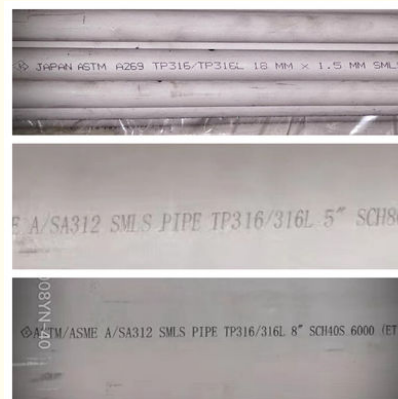


## ASTM A312 Seamless Stainless Steel Pipe Round SMLS 8" SCH40S 304 316L

Our Product Introduction

### Basic Information

- Place of Origin: CHINA
- Brand Name: KASUGAI
- Certification: ISO-9001; PED; AD 2000
- Model Number: ASTM A312 TP316/L SMLS PIPE 8" SCH40S SML
- 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: ASTM A312 TP316/L SMLS PIPE 8" SCH40S SEAMLESS STAINLESS STEEL PIPE
- Standards: ASTM A312 316/L
- Outer Diameter: 8"
- Wall Thickness: Sch40S In Accordance With ASME B36.10M B36.19M
- Length: 6.096 M (20'), 12.19 M (40'), 6 M, And 12 M, Customized
- End Process: Plain Ends, Beveled Ends, Threaded Ends
- Highlight: **Round Seamless Stainless Steel Pipe, Seamless ASTM A312 Pipe, SCH40S Seamless Stainless Steel Pipe**

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## Product Description

ASTM A312 TP316/L SMLS PIPE 8" SCH40S 304/L 316/L SEAMLESS STAINLESS STEEL PIPE  
**ASTM A312 316/L SMLS PIPE 8" SCH40S Seamless Stainless Steel Pipe**

A312 WELDED & SEAMLESS PIPE - REFERENCE: ASME SA312			
Nom Pipe Size (In.)	Tolerances		
	O.D.	Wall & Weight	Cut Length
1/8 to 1-1/2"	+0.015" -0.031"	12-1/2% max under nom. wall thickness	+1/4" -0
2 to 4"	+0.031" -0.031"		
5 to 8"	+0.062" -0.031"		
10 to 12"	+0.093" -0.031"		

Tests per A312 and A530.

Flatten to  $H = (1 + 0.09) t$

$.09 + \sqrt{D}$

D = nom O.D. t = nom. wall.

Yield strength: 25-55 Ksi. See specification for grade.

Tensile strength: 70-100 Ksi. See specification for grade.

Elongation in 2" min: 35% (longitudinal)

25% (transverse).

Hydrotest: P = 2S/D 2500 psi max for 3.5" and under,

and 2800 psi for sizes over 3.5". S = 50% of min Y.S.

Product Name	ASTM A312 316/L SMLS PIPE 8" SCH40S Seamless Stainless Steel Pipe
Standards	ASTM A312 316/L
Outer Diameter	1/8"--24"
Wall Thickness	Max.XXS
Length	Max. 8m
End Process	Plain Ends, Beveled Ends, Threaded Ends
Origin	China

### Standards & Materials: ASTM A312 TP316/TP316L

ASTM A312 Grade TP316 and TP316L refer to the stainless steel 316 and 316L respectively. The prefix "TP" denotes "type" of the stainless steel. TP316 or TP316L pipes may be furnished in seamless or longitudinally welded types with butt welding ends or threaded ends. TP316 is derived from the classic "18-8" (TP304) stainless steel by adding molybdenum for enhanced pitting resistance in chloride environments. TP316L is the low carbon version of TP316, in which low carbon content improves sensitization for better welded corrosion resistance.

ASTM A312 TP316 and TP316L are designated with UNS S31600 and UNS S31603, respectively. Although more expensive, pipes made of TP316/ TP316L have higher level corrosion resistance than that of TP304/ TP304L. They can be used for a diversified range of corrosive chemical process piping which involves inks, rayon, photographic chemicals, paper, textiles, bleaches, and rubber

### ASTM A312 TP316/TP316L Chemical Compositions (%)

Grade	C, max	Mn, max	P, max	S, max	Si, max	Cr	Ni	Mo
TP316	0.08	2.00	0.045	0.030	1.00	16.0-18.0	10.0-14.0	2.00-3.00
TP316L	0.035	2.00	0.045	0.030	1.00	16.0-18.0	10.0-14.0	2.00-3.00

### ASTM A312 TP316/TP316L Mechanical Properties

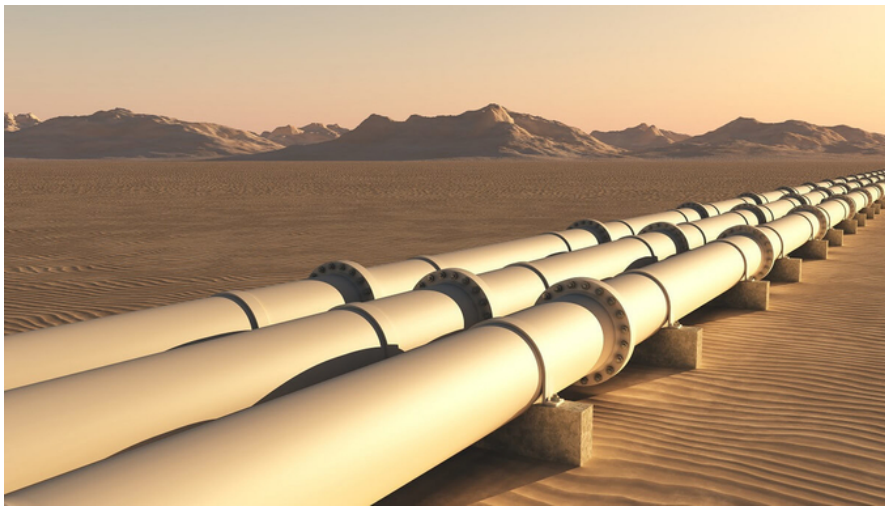
Grade	Tensile Strength, min. (MPa)	Yield Strength, min. (MPa)	Elongation in 2", min (%) (*L)	Elongation in 2", min (%) (*T)
TP316	515	205	35	25
TP316L	485	170	35	25

\*L: longitudinal elongation; \*T: transverse elongation.

### Size, Dimensions & Tolerances of Seamless Pipe (mm)

NPS	*t/D	Tolerance, % from Nominal	
1/8"~2.5"	All	+20.0	-12.5
3"~18"	≤5%	+22.5	-12.5
3"~18"	>5%	+15.0	-12.5
≥20"	>5%	+15.0	-12.5

\*t: nominal wall thickness; D: ordered outside diameter.



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