

ASTM A312 904L Stainless Steel Seamless Pipe SCH40 For Industry

Basic Information

Place of Origin: Wenzhou,China
Brand Name: Zheheng
Certification: ISO9001
Model Number: 904L
Minimum Order Quantity: MOQ500kg

Packaging Details: Seaworthy Standard Package

Delivery Time: 7-15 working days after receiving payment

Payment Terms: L/C, D/P, T/T, Western Union
 Supply Ability: 5000 Ton/Tons per Month



Product Specification

• NPS: 1/8"-24"

• Grade: 904L Stainless Steel

• Wall Thickness: SCH10S,SCH40, SCH XS, SCH

60,SCH80S,SCH12020,SCH1160,SCH

• Delivery Time: 15-21 Days

• Application: Heat Exchanger, Boiler, Condenser, Cooler,

Heater

• Section Shape: Round

• Finished: Annealing Pickling, Bright Annealing

• Price Term: FOB CIF CFR EXW Etc.

Specification: ASTM A312, A269, A789, A790

• Highlight: Stainless 904L Seamless Pipe,

Stainless Steel Seamless Pipe for Industry,

SCH40 Stainless Seamless Pipe



Product Description

Overview

SS 904L pipes, also known as UNS N08904, are made up of a high amount of chromium, nickel and iron, which offer superior corrosion resistance, strength and toughness. It has low carbon content, copper and molybdenum, contributing to its excellent resistance to pitting and crevice corrosion. It's also well-suited for use in environments that require resistance to elevated temperatures and high levels of corrosion.

Which industries used?

Chemical processing
Oil and gas
Pharmaceutical

Chemical composition

The high chromium content promotes and maintains a passive film which protects the material in many corrosive environments. 904L has a greater resistance to precipitation of ferrite and sigma phases on cooling and welding than other stainless steels containing molybdenum such as 316L and 317L. There is no risk of intercrystalline corrosion on cooling or welding due to the low carbon content. Its maximum service temperature is at 450°C.

Grade	Cr	Ni	С	Si	Mn		S	Мо	Cu	Fe
19(1)(1)	19.0-	23.0-	0.02M	1.0ma	2.0ma	0.045	0.035	4.0-	11.0- 2.0 1	balanc
	23.0	28.0	ax	x	x	max	max	5.0		e

Mechanical Properties

904L has good formability and weldability characteristics due to its low carbon content. It also offers good toughness and strength at both room temperature and elevated temperatures. Additionally, it exhibits excellent fatigue strength even after prolonged exposure to high temperatures.

Grade	Tensile Strength KSI (min.)	Strength	,	(Brinell)	Hardness (Rockwell B) MAX
904L	71	31	35	70-90	150

Physical Properties (Room Temperature)

This type of steel has good ductility and excellent machinability properties, which make it easy to work with when fabricating parts or components from this material. It also has excellent thermal expansion properties, making it suitable for cryogenic environments or high-temperature applications where thermal shock can occur.

Specific Heat (0-100°C)	450	J.kg-1.°K-1	
Thermal Conductivity	11.5	W.m -1.°K-1	
Thermal Expansion	15.8	μm/μm/°C	
Modulus Elasticity	190	GPa	
Electrical Resistivity	9.52	Ohm-cm	
Density	7.95	g/cm3	

Application

Energy Chemical industry Mechanical Engineering Automobile Industry Rail Transit Equipment Steamship production Bridge Engineering

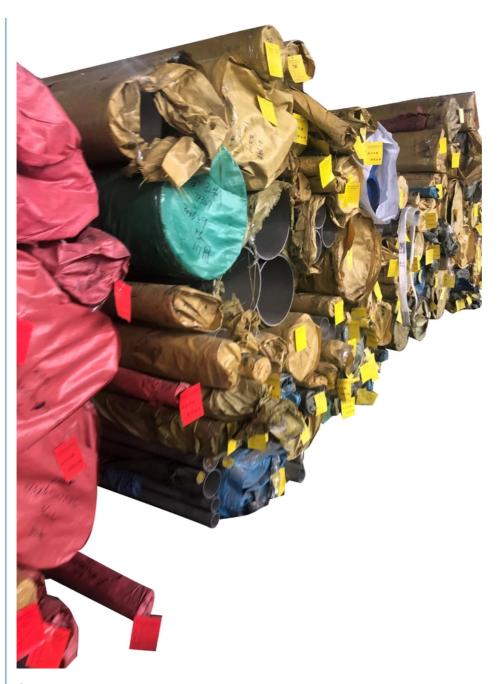
Heat Treatment

Annealing: The recommended annealing temperatures for 904L wrought steel is 1095 °C (2000 °F).

Why choose us

- 1.Size control
- 2. Chemical composition control
- 4.ultrasonic testing of steel tube
- 3.hydraulic testing machine

Package detail



Shipping

















- 1.Packing type:Carton and wooden case,also be packged according to customer requirements.
- 2.Modes of transportation:by sea,by air or land transportaion,of course,a small amount can also by Express.



15858820108



sales@zhehengsteel.com



