



ZHEHENG STEEL

Wenzhou Zheheng Steel Industry Co.,Ltd
stainless-steelseamlesspipe.com

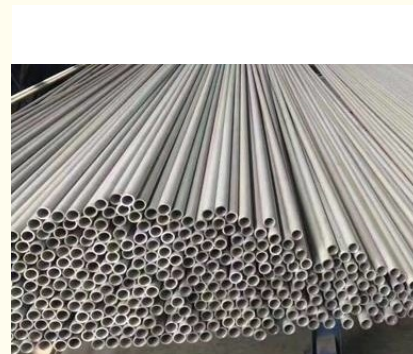
ASME SA213 310H/UNS 31009 SS Seamless Welded Pipe For Machinery Components

Our Product Introduction

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Basic Information

- Place of Origin: Wenzhou, China
- Brand Name: Zheheng
- Certification: ISO9001
- Model Number: 310H
- Minimum Order Quantity: 1 Ton
- Packaging Details: In wooded cases or pallets, or as for clients requirement
- Delivery Time: 7-15 working days after receiving payment
- Payment Terms: T/T, L/C, Western Union
- Supply Ability: 5000 Ton/Tons per Month



Product Specification

- Application: Construction
- Section Shape: Round
- Tolerance: $\pm 5\%$
- Grade: 300series
- Price Term: FOB, CFR, CIF, EXW, etc.
- Length: As Required
- WT: SCH5S-XXS
- Technique: Hot Rolling & cold Drawn
- Processing Service: Bending/cutting
- Highlight: **310H Stainless Steel Pipe,
SS welded seamless Pipe,
ASME SA213 Stainless Steel Pipe**



Product Description

Introduction

Stainless steel grade 310H has carbon content and is a preferred choice for high temperature applications. This steel has good resistance to oxidation at temperatures of up to 1040°C (1904°F) in intermittent service and 1150°C (2102°F) in continuous service. It is widely used in environments where sulfur dioxide gas is present at high temperatures; however it is recommended that this steel should not be continuously used at 425-860°C (797-1580°F) range due to carbide precipitation.

310H stainless steel pipe Usage

310H are widely used in aerospace engineering, oil refining equipment manufacturing, chemical processing equipment manufacturing, petrochemical industry, power generation plants, food processing equipment manufacturing, pharmaceutical industry, and medical instruments manufacturing.

Chemical Composition Of 310H

Chemical properties make stainless steel 310H a valuable material for many industrial applications. Its resistance to corrosion, elevated temperatures, and strength are among its most appealing features. This type of steel also has a low thermal expansion, making it ideal for use in pipes and tubing. Moreover, its excellent oxidation resistance helps the steel retain surface properties under high-temperature operations such as welding and heat treatment. Manufacturers of machinery components often select 310H stainless steel because it offers a combination of toughness, formability and longevity—it's able to resist damage caused by chemical exposure over time. In a nutshell, chemical properties make this type of stainless steel well-suited for any job that requires extreme durability in extreme conditions.

Grade	Fe	Cr	Ni	Mn	Si	P	C	S
310H	49.075-45.865	24-26	19-22	2	0.75	0.045	0.040-0.10	0.03

Mechanical Composition

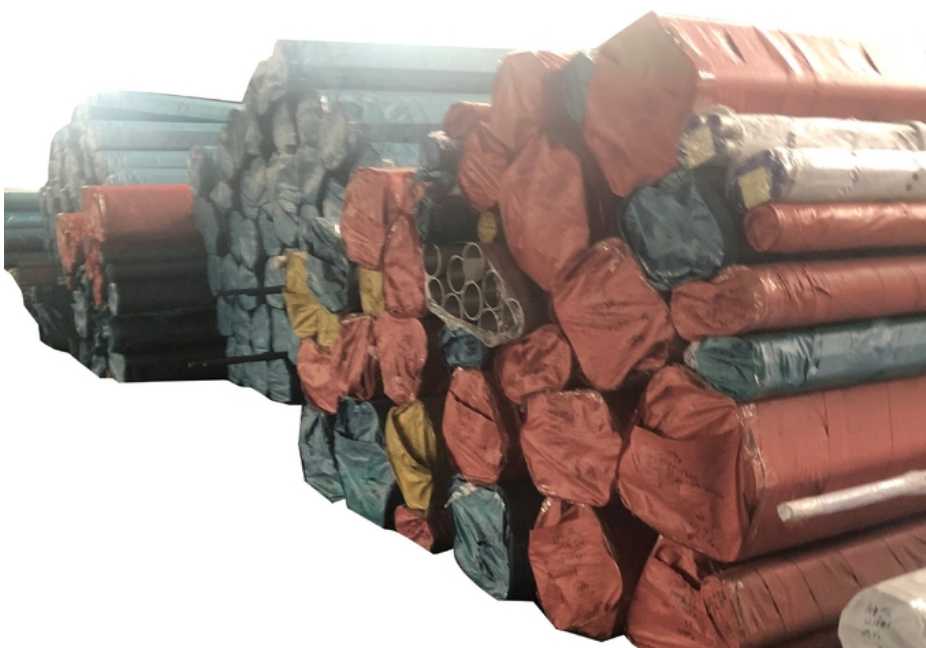
Grade	Tensile	Yield Strength Mpa, (Min)	Elongation (%) in 50mm min	Hardness	
				Rockwell B (HR B)max	Brinell (HB)max
310H	515	205	40	95	217

Physical Properties

310H has a number of physical properties that make it an ideal choice for many applications. It is strong yet ductile enough to be machined easily into practically any shape desired. Its low coefficient of thermal expansion also makes it suitable for welding applications where the material will be exposed to high temperatures on a regular basis. Additionally, it is highly resistant to both corrosion and scaling despite being exposed to even extreme temperatures over long periods of time.

Grade	Density (kg/m ³)	Elastic Modulus (GPa)	Mean Coefficient of Thermal Expansion (μm/m/°C)			Thermal Conductivity (W/m.K)		Specific Heat 0- 1000C (J/kg.K)	Electrical Resistivity (nΩ.m)
			0-1000C	0- 3150C	0- 5380C	at 1000 C	at 5000 C		
310H	7750	200	15.9	16.2	17	14.2	18.7	500	720

Shipment package image





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