



ZHEHENG STEEL

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



Cold Rolled Stainless Steel Mirror Polished Pipe ASTM A213 316LN Diameter

Our Product Introduction

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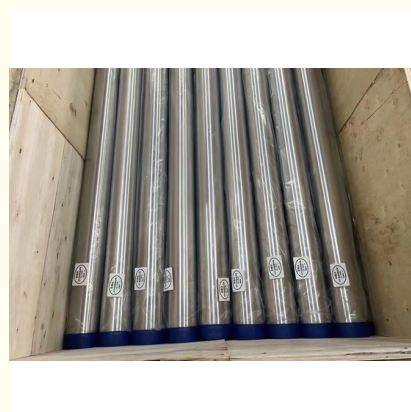
Basic Information

- Place of Origin: Wenzhou, China
- Brand Name: Zheheng
- Certification: ISO9001
- Model Number: 316LN
- 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/industry
- Section Shape: Round
- Tolerance: $\pm 1\%$
- Grade: 300series
- Price Term: FOB, CFR, CIF, EXW
- Length: As Required
- WT: SCH5S-XXS
- Technique: Hot Rolling & cold Drawn
- Processing Service: Bending/cutting
- Highlight: **Stainless Steel Mirror Polished Pipe,
A213 Mirror Stainless Steel Pipe,
316LN Stainless Steel Pipe**



More Images



Product Description

Characteristic

316LN has corrosion resistance, toughness, ductility, formability, stress corrosion cracking resistance, hardness, etc. These features make it an ideal choice for many applications where metal needs to remain strong yet flexible enough to withstand extreme temperatures or corrosive environments.

Specification

Ends	Plain end
Color	silver
Delivery time	within 15 -20 days.
Payment Terms	40% prepayment Balance before loading.
Shipping Terms	FOB NINGBO, after the inspection of goods at supplier's warehouse
Package	Standard export seaworthy package, or as required.

Mechanical Properties

316LN ss has a good combination of strength and ductility with excellent stress corrosion cracking resistance in both low temperatures (-50°C) and high temperatures (450°C). It also has better formability than 304 or 309 grades due to its lower carbon content, allowing it to be easily formed into shapes like sheets or pipes without requiring much heat treatment. Its hardness ranges from about 70 HRC up to 75 HRC depending on its composition and the heat treatment process used during manufacturing.

Properties	Metric	Imperial
Tensile strength	515 Mpa	74694 psi
Yield strength	205 Mpa	29732 psi
Modulus of elasticity	190-210 Gpa	27557-30457 ksi
Poisson's ratio	0.27-0.30	0.27-0.30
Elongation at break(in 50 mm)	60%	60%

Product Testing

Coating Thk Test
Geometry inspection
Ultrasonic Inspection
Nondestructive Testing
Hydrostatic Testing

316LN SS pipe Usage

316LN SS is often used in applications that require superior corrosion resistance, such as food processing equipment, chemical plants, medical instruments and marine environments like shipbuilding or offshore platforms. It's also commonly used in automotive exhaust systems, paper mills, industrial machinery parts and heat exchangers.

Physical Properties

316LN has a high corrosion resistance due to its high chromium and nickel content. It also has a higher toughness than regular stainless steel alloys thanks to its nitrogen content which helps improve its tensile strength and yield strength. Its melting point is around 1370°C (2500°F).

Specific Heat($0-100^{\circ}\text{C}$)	485	J.kg $^{-1}$. $^{\circ}\text{K}^{-1}$
Thermal Conductivity	16.3	W.m $^{-1}$. $^{\circ}\text{K}^{-1}$
Thermal Expansion	16.5	mm/m/ $^{\circ}\text{C}$
Modulus Elasticity	200	GPa
Electrical Resistivity	7.4	$\mu\text{ohm/cm}$
Density	7.99	g/cm 3

Chemical Composition Of 316LN

Grade 316LN is a low-carbon version of 316 with an addition of nitrogen. It contains 16-18% chromium, 10-14% nickel, 2-3% molybdenum, 2% manganese, 1% silicon, 0.03% carbon, 0.045% phosphorus, 0.03% sulfur and 0.10-0.30% nitrogen.

Grade	Cr	Ni	Mn	Si	C	P	S	Fe	Mo	N
316LN	16-18	10.0-14.0	2	1.00	0.03	0.045	0.03	Balance	2.0-3.0	0.10-0.30

Package Process

1. With plastic cap to protect both ends
2. Weaving bag wrapped outside the pipe
3. Then pack into wooden case.

Why choose us



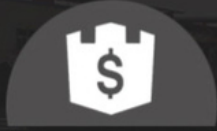
Customer-Oriented:

Sourcing and Researching & Development based on customers' requirements.



Supply chain improvement:

Providing constructive proposals to improve TCO.



Quality Assurance:

Quality & Quantity inspection before shipment.



Delivery Management:

Speedy and accurate product delivery date services, to help customers speed up the finance turnover.



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