



ZHEHENG STEEL

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



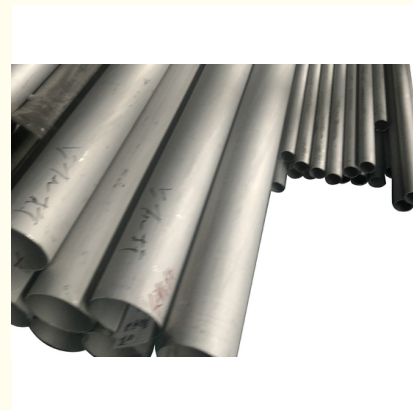
## ASTM A213 Seamless Stainless Steel Tube TP304LN Mirror Polished Round

Our Product Introduction

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### Basic Information

- Place of Origin: Wenzhou, China
- Brand Name: Zheheng
- Certification: ISO9001
- Model Number: TP304LN
- Minimum Order Quantity: MOQ500kg
- Packaging Details: In wooded cases or pallets, or as per clients requirement
- Delivery Time: 7-15 working days after receiving payment
- Payment Terms: L/C, D/P, T/T, Western Union
- Supply Ability: 1000 Ton/Tons per Month



### Product Specification

- Port: Ningbo
- OD:  $\Phi 6-630$ mm
- Section Shape: Round
- Package: Seaworthy Standard Package
- Price Terms: FOB, CIF, CFR, EXW
- Length: 1-12m
- Technique: Hot Rolling
- Wall Thickness: 1-40mm
- Highlight: **ASTM A213 Seamless Stainless Steel Tube, TP304LN Stainless Steel pipe, Mirror Seamless Stainless Steel pipe**



## Product Description

### Overview

304LN is a low carbon, low nitrogen stainless steel with good high temperature strength and corrosion resistance, which is often used in high temperature equipment and pipelines. 304LN has good low temperature toughness and low temperature corrosion resistance in low temperature applications such as refrigeration equipment and low temperature engineering.

### Characteristic

1. Good corrosion resistance: 304LN stainless steel has excellent corrosion resistance, performs well in acidic and alkaline environments, and is suitable for manufacturing equipment and parts in chemical, Marine engineering, food processing and other fields.
2. Good machinability: 304LN stainless steel has good machinability, easy to work cold and hot, and can manufacture a variety of complex parts and equipment.
3. Good weldability: 304LN stainless steel has good weldability and can be welded by TIG, MIG and other methods.

### Application

Heat exchangers  
Chemical industry  
Food industry  
Petroleum industry  
Fabrication industry  
Nuclear industry

### 304LN Stainless Pipe Chemical Composition

304LN is an austenitic alloy made up of chromium, nickel, manganese, silicon, phosphorus, sulfur and nitrogen. It has a low carbon content compared to other grades of stainless steel, which makes it ideal for use in cryogenic applications or for welding components exposed to corrosive environments.

Grade	C	Si	Mn	P	S	Ni	N	Cr	Fe
304LN	0.03	1	2	0.045	0.03	8.00-12.00	0.1-0.16	18.00-20.00	Remainder

### Mechanical Properties Stainless Steel 304LN

The mechanical properties of grade 304LN are similar to those of other austenitic stainless steels like Type 316. Its tensile strength ranges between 485MPa (70ksi) and 650MPa (93ksi), while its yield strength can range anywhere between 175MPa (25ksi) and 345MPa (50ksi). Its elongation levels are usually around 40% when tested at room temperature but can go up if the testing environment is hot enough or if the part being tested has undergone heat treatment. Furthermore, its thermal expansion coefficient is  $13 \times 10^{-6}/K$  which makes it suitable for use in high-temperature applications such as boilers or exhaust systems.

Properties	Metric	Imperial
Tensile Strength	515 MPa	74694 psi
Yield strength	205 MPa	29732 psi
Elongation at break(in 50mm)	40%	40%
Hardness, Rockwell B	95	95
Hardness, Brinell	217	217

### Physical Properties

Tensile strength	Tensile strength	$\sigma_b$ /MPa
Yield Strength	23	$\sigma_{0.2} \geq$ /MPa
Elongation	65	$\delta_5 \geq$ (%)
$\psi$	-	$\psi \geq$ (%)
Akv	-	$Akv \geq$ /J
HBS	123-321	-
HRC	30	-

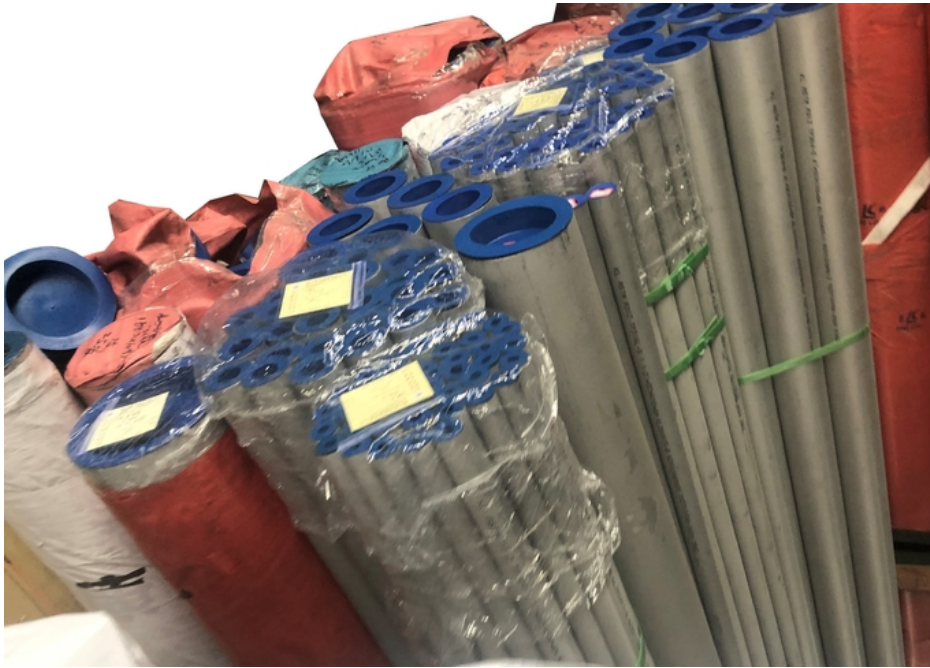
### Product Testing

Hydrostatic test  
Flaw detection test  
Lab test

### Package Process

1. with plastic cap to protect both ends
2. weaving bag wrapped outside the pipe
3. then pack into wooden case.

### Image



## Company introduction

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