



ZHEHENG STEEL

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



## ASTM A312 TP 304N/ S30409 Schedule 40 SS Seamless Pipe With Marine Environments

Our Product Introduction

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### Basic Information

- Place of Origin: Wenzhou,China
- Brand Name: Zheheng
- Certification: ISO9001
- Model Number: 304N
- 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: **TP 304N Stainless Steel Pipe, Schedule 40 SS Seamless Pipe, Seamless Pipe With Marine Environments**



## Product Description

### Difference stainless steel 304 and 304N

304 is very common in daily life, Their composition is the most noticeable difference between stainless steel 304 and 304N. Stainless steel 304 is an austenitic grade alloy, while 304N is a nitrogen-strengthened version of the same grade. Stainless steel 304 has a minimum tensile strength of 75 ksi, while 304N has a minimum tensile strength of 85 ksi. This means that stainless steel 304N is used in construction projects such as bridges or other large-scale structures that must bear heavy loads or withstand harsh weather conditions. It is also used in other areas of the marine environments, bridges, valves, pressure vessels, chemical equipment, dairy equipment, nuclear vessels and food processing equipment.

### Physical Properties

The density of 304N ss is 7.85 g/cm<sup>3</sup> with a melting point between 1454°F – 1523°F (795°C – 825°C). It has good thermal conductivity with low electrical resistivity. Due to its high strength-to-weight ratio, 304N stainless steel is also highly resistant to wear and tear.

Thermal expansion	85-41	e-6/K
Thermal conductivity	90-79	W/m.K
Specific heat	450-460	J/kg.K
Melting temperature	5305-5983	C
Density	3384-2207	kg/m <sup>3</sup>
Resistivity	0.50-0.60	Ohm.mm <sup>2</sup> /m

### 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

Properties	Metric	Imperial
Tensile strength	620MPa	89900 psi
Yield strength	330MPa	47900 psi
Elastic modulus	193-200MPa	28000-29000 ksi
Hardness, Rockwell B	85	85

### Product Testing

Coating Thk Test  
Geometry inspection  
Ultrasonic Inspection  
Nondestructive Testing  
Hydrostatic Testing

### Chemical Composition Of 304N

Grade	Fe	Cr	Ni	Mn	Si	N	C	P	S
304N	Balance	18-20	8-11	2	1	0.1-0.16	0.08	0.045	0.030

### Main feature

High corrosion resistance - to general corrosion and pitting/crevice corrosion.  
Have a strong resistance.  
Resistant to most chemicals, salts and acids.  
It has high tensile strength, creep and stress fracture at high temperatures.  
Provides excellent machinability and formability. Keep surfaces clean.

### 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

 <p><b>Customer-Oriented:</b> Sourcing and Researching &amp; Development based on customers' requirements.</p>	 <p><b>Supply chain improvement:</b> Providing constructive proposals to improve TCO.</p>
 <p><b>Quality Assurance:</b> Quality &amp; Quantity inspection before shipment.</p>	 <p><b>Delivery Management:</b> Speedy and accurate product delivery date services, to help customers speed up the finance turnover.</p>

**Shipping**



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

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