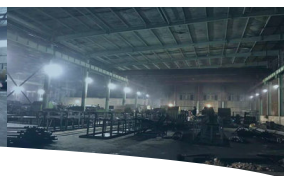




ZHEHENG STEEL

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



ASTM TP 321H UNS Seamless Stainless Steel Tube Sch40S Stress Fracture Properties

Our Product Introduction

for more products please visit us on stainless-steelseamlesspipe.com

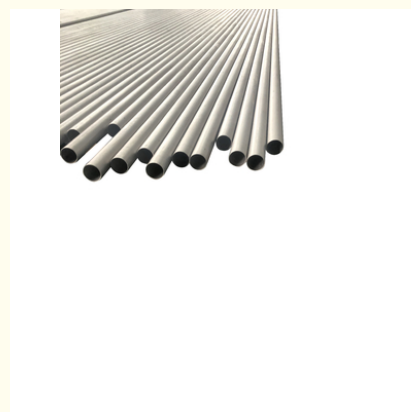
Basic Information

- Place of Origin: CHINA
- Brand Name: zheheng steel
- Certification: iso9001
- Model Number: 88.9mm
- Minimum Order Quantity: Negotiable
- Price: Negotiable
- Packaging Details: In bundles with waterproof material, or wooden crate packing
- Delivery Time: 30 DAYS
- Payment Terms: L/C, T/T, D/A, D/P
- Supply Ability: 50TONS/30DAYS



Product Specification

- Material: TP321H
- Standard: ASTM, GB, JIS, DIN, EN, AISI
- Shape: Sch40S
- Technique: Cold-drawn
- Purpose: Good Welding Characteristics
- Package: Woven Packing
- OD: 6-830mm
- Highlight: **TP 321H Seamless Steel Tube,
ASTM Seamless Stainless Steel Tube,
Sch40S Seamless Stainless Tube**



Product Description

ASTM TP321H Seamless Stainless steel Tube Sch40S stress fracture properties

Introduction to products:

Alloy 321 (UNS S32100) is a titanium-stabilized austenitic stainless steel with good corrosion resistance. It has good corrosion resistance to intergranular corrosion exposed to chromium carbide precipitate in the temperature range of 800-1500°F (427-816°C). The alloy is resistant to oxidation at up to 1500°F (816°C) and has higher creep and stress fracture properties than 304 and 304L. It also has good low temperature toughness. Alloy 321H (UNS S32109) is a higher carbon content (0.04-0.10) version of this alloy. It was developed to enhance creep resistance and increase strength at temperatures above 1000°F (537°C). In most cases, the carbon content of the board can be double-certified. 321 alloy cannot be hardened by heat treatment, only by cold work. It is easily welded and machined in standard shop manufacturing practices.

Description for our production range:

Name :Stainless Steel seamless Pipe

Standard :EN10216-5 , EN10216-2,DIN 17456 , DIN 17458,ASTM A312, A213, A269, A511, A789, A790 ETC,GOST 9941 , GOST 5632, JIS G3459 , JIS G3463,GB/T14975,GB/T14975, GB13296, GB5310, GB9948

Material Grade :

TP321/321H

Diameter :OD: 6-830mm

W.T: 0.6mm - 60mm

Length :Up to 13 meter or as customers' request

Tolerance :According to the Standard.

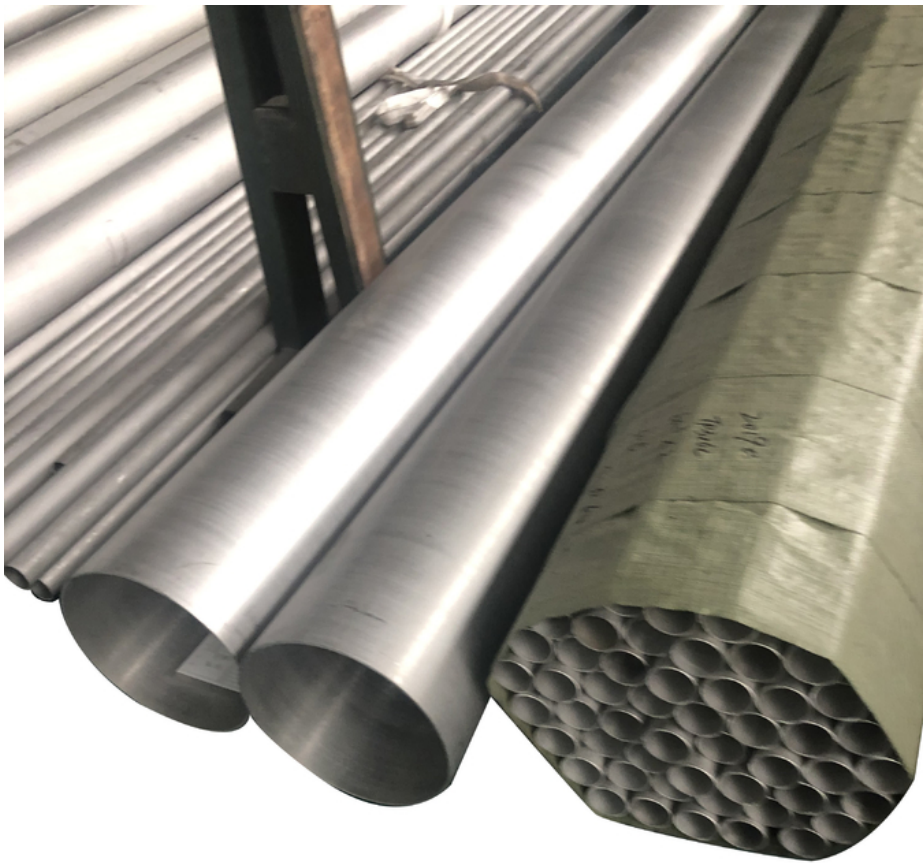
Surface :

Natural Color of annealing & pickling, 180G, 320G, 400G Satin / Hairline
400G, 500G, 600G or 800G Mirror finish

Test :

UT, ET, HT, RT,ect, and others according to the standard,
or as the requests of the customer

our products packing:



APPLICATIONS :

Stainless steel Reheater Tubes and Superheater Tubes for Boiler
 Aircraft exhaust manifolds
 Expansion joints
 Bellows
 Furnace parts
 Heating element tubing
 Heat Exchanger

Physical Properties

AISI 321 steel physical properties are given in the following lists, including density, thermal expansion, elastic modulus, thermal conductivity, specific heat capacity and electrical resistance.

SS321 Physical Properties	
Density, g/cm ³ (lb/in. ³)	7.9 (0.29)
Melting point, °C (°F)	1400-1425 (2550-2600)
Specific heat capacity, J/kg·K (Btu/lb · °F)	500 (0.12) at 20 °C
Electrical resistivity, μΩ·m	0.72 at 20 °C
Magnetic permeability	1.02 (Approximate)
Elastic modulus, GPa (10 ⁶ psi)	193 (28)
Thermal conductivity, W/m·K (Btu/ft · h · °F)	16.1 (9.3) at 100 °C (212 °F)
	22.2 (12.8) at 500 °C (932 °F)
	16.6 (9.2) at 0-100 °C (32-212 °F)
Coefficient of thermal expansion, 10 ⁻⁶ /K (μin./in. · °F)	17.2 (9.6) at 0-315 °C (32-600 °F)

18.6 (10.3) at 0-538 °C (32-1000 °F)

Notes:

10-6-K-1 = 10-6/K
1 $\Omega \cdot \text{mm}^2/\text{m}$ = 1 $\mu\Omega \cdot \text{m}$
1 g/cm^3 = 1 kg/dm^3 = 1000 kg/m^3
1 GPa = 1 kN/mm^2
1 MPa = 1 N/mm^2

other supplement:

- 1.A999/A999M: Each pipe shall be subjected to the nondestructive electric test or the hydrostatic test, the pipe of test to be used shall be at the option of the mfg, unless otherwise specified in the PO.
2. The Pipe lengths : Unless otherwise agreed upon, all size from NPS 1/8" TO AND INCLUDING nps 8 are available in a length up to 24ft with the permitted range of 15 to 24 ft. Short length are acceptable and the number and min, length shall be agreed upon between mfg and purchaser.
3. The finished pipe shall be reasonably straight and shall have workmanlike finish, Removal of imperfections by grinding is permitted, provided the W.T are not decreased to the less than the permitted in Section 9 of Specification A999/A999M
4. Butt Weld End: According to ANSI B 16.25
5. Pipe Marking: Specified in A999/999M, include "Logo+Standard+SIZE+Heat No.+Lot No.+H.T/E.T/U.T"
6. Packing: Each Pipe end is protected by Plastic cap. Then packed by Anti-rust steel strip, The outside of the bundle is plastic woven bag, or Plastic film.
7. Packing Mark: SIZE + STEEL GRADE+ QTY OF PIECE/WEIGHT/METRE.
- 8.MTC: BWSS Official Original MTC paper will be supplied for each order.



ZHEHENG STEEL

Wenzhou Zheheng Steel Industry Co.,Ltd



15858820108



sales@zhehengsteel.com



stainless-steelseamlesspipe.com

No999 .wenzhou airport wenzhou city,zhejiang china