



ZHEHENG STEEL

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



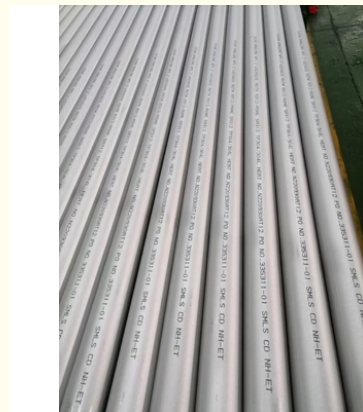
TP 321H UNS Stainless Steel Seamless Tube Sch40S Good Welding Characteristics

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: **welding Stainless Steel Seamless Tube, Sch40S Stainless Seamless Tube, 321H UNS Stainless Steel Pipe**



Product Description

ASTM TP321H Seamless Stainless steel Tube Sch40S Good welding characteristics

Introduction to products:

321H Stainless steel is a widely used stainless steel where parts are heated and exposed to corrosive atmospheres within the carbide precipitation temperature range (800°F-1500°F). 321 stainless steel is similar to 304 stainless steel, but has a higher nickel content and is stabilized with titanium. Titanium preferentially reacts with the carbon in the steel and prevents chromium carbide from precipitation at the grain boundaries, thereby maintaining corrosion resistance by preventing chromium depletion near the grain boundaries when exposed within a critical temperature range. This grade responds well to cold work hardening. Good welding characteristics; And there is usually no need for post-welding annealing to restore its excellent properties under various corrosion conditions.

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.

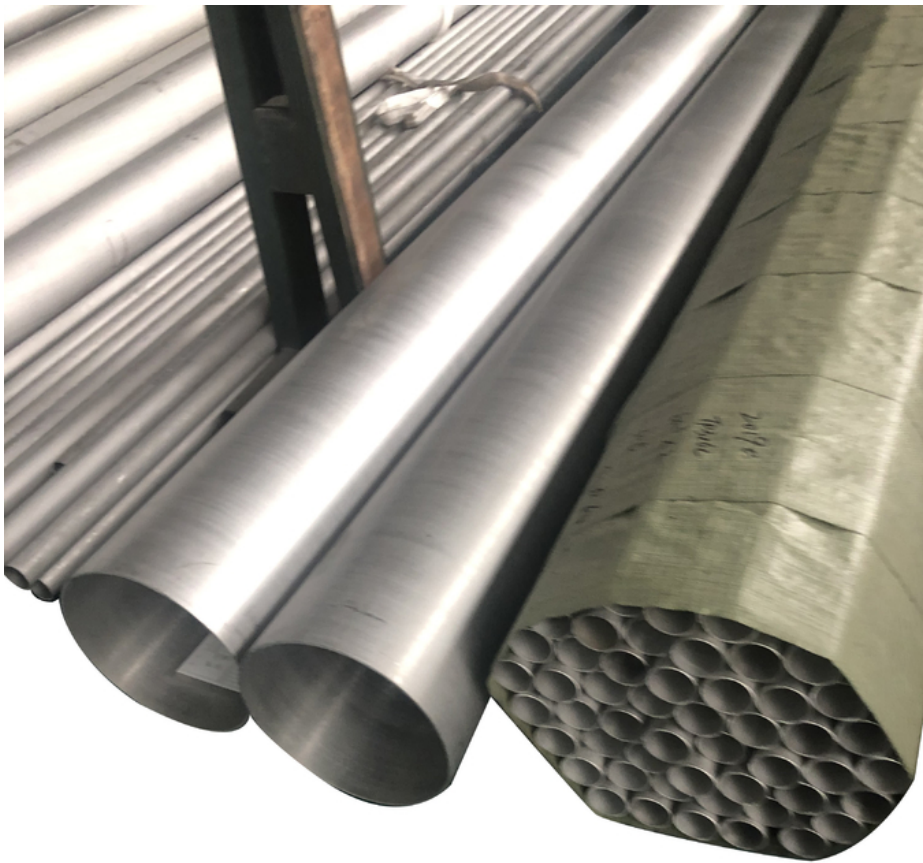
Surface :

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.



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