



ZHEHENG STEEL

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



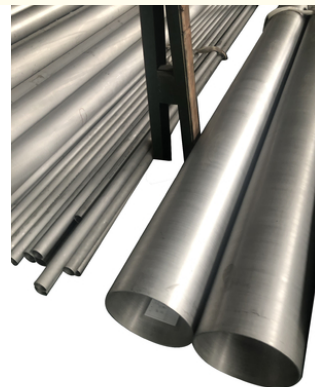
ATSM 312 Stainless Steel Seamless Pipe TP304H Use In Petroleum Refineries

Our Product Introduction

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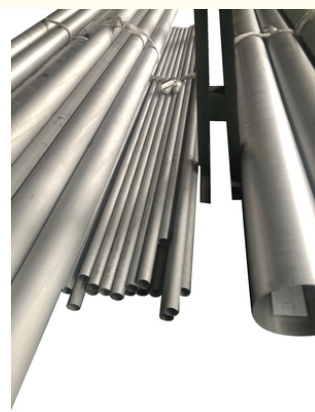
Basic Information

- 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: 30DAYS
- Payment Terms: L/C, T/T, D/A, D/P
- Supply Ability: 50TONS/30DAYS



Product Specification

- Product Name: Stainless Steel Pipe
- Material: 304H
- Standard: ASTM, GB, JIS, DIN, EN, AISI
- Size: 6mm-400mm
- Technique: Cold-drawn
- Shipment: By Sea, Air Or Others
- APPLICATION: Petroleum Refineries
- Highlight: **Petroleum Refineries Seamless Stainless Steel Pipe, ATSM 312 Stainless Steel Seamless Pipe, TP304H Stainless Steel Seamless Pipe**



Product Description

ATSM 312 Stainless Steel Seamless Pipe TP304H Use in Petroleum Refineries

Product Discription:

TP304H has a higher carbon content making the steel more suitable for use in applications where elevated temperatures are present. It is an austenitic chromium-nickel steel alloy and the greater carbon content delivers an increased tensile strength and yield strength. The material is recommended for use in ASME pressure vessel in working service above 815 °C due to the grade's heat resistant properties. 304H Normally working temperature is 590 °C [1095°F]

Compared to 304L:

The higher carbon content of 304H increases its strength, so the ASTM A213 tensile strength and yield strength of 304H is greater than 304L. 304H has greater short term and long term creep strength than 304L at temperature up to 500 °C, and 304H is more resistant to sensitization than 304L. 304H is required in such applications.

The characteristics of 304H:

Exhibit excellent corrosion resistance

Tremendous strength

High ease of fabrication

Outstanding formability

Use of 304H stainless steel:

Alloy 304H is most commonly used in petroleum refineries. It is also in Stainless Steel Reheater Tubes and Superheater Tubes for Boiler, heat exchanger tubes, condensers tubes, pipelines, cooling towers, steam exhausts, and electric generation plants. It will also be found in fertilizer and chemical plants.

The components of 304H are as follows:

| Grade | C | Mn | Si | P | S | Cr | Mo | Ni | N |
|-------|------|------|----|------|------|----|----|------|---|
| 304H | min. | 0.04 | - | - | - | 18 | - | 8 | - |
| | max. | 0.1 | 2 | 0.75 | 0.03 | 20 | | 10.5 | |

Tensile and Hardness Requirements about the 304H Duplex steel pipe:

| Grade | Tensile Strength (MPa) min | Yield Strength 0.2% Proof (MPa) min | Elongation (% in 50mm) min | Hardness | |
|-------|----------------------------|-------------------------------------|----------------------------|-----------------------|------------------|
| | | | | Rockwell B (HR B) max | Brinell (HB) max |
| 304H | 515 | 205 | 40 | 92 | 201 |

304H also has a requirement for a grain size of ASTM No 7 or coarser.

Products available:

Hot Rolled Plates

About us:

Zheheng Steel is an excellent supplier of stainless steel pipes and other high quality industrial products. The pipeline range provided is manufactured according to national and international raw material quality standards. The industry is offering tubing in a variety of standards, sizes and specifications. According to customer requirements, we can provide various specifications of pipes according to customer requirements. Therefore, buyers can purchase products of different sizes, wall thicknesses, lengths, diameters, etc., according to their needs.

Product show:



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