



ZHEHENG STEEL

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



ATSM 312 Seamless Stainless Steel Pipe TP316 Use In Electromechanical Hardware

Our Product Introduction

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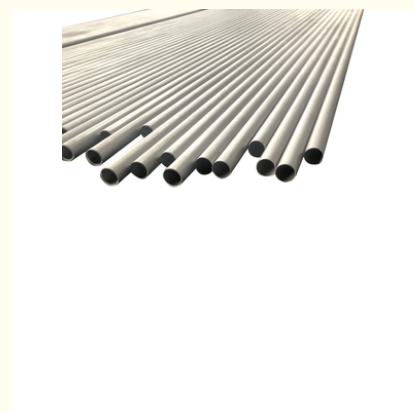
Basic Information

- 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: TP316ti
- Standard: ASTM, GB, JIS, DIN, EN, AISI
- Size: 6mm-400mm
- Technique: Cold-drawn
- Shipment: By Sea, Air Or Others
- APPLICATION: Petrochemical
- Highlight: **ATSM 312 Seamless Stainless Steel Pipe, TP316 Stainless Steel Tubing, Seamless Stainless Steel Pipe Tubing**



Product Description

ATSM 312 Stainless Steel Seamless Pipe TP316Ti Use In Electromechanical hardware

Product Discription:

316Ti (UNS S31635) is a titanium-stabilized version of 316 molybdenum-containing austenitic stainless steel. Compared to traditional chromium-nickel austenitic stainless steels such as 304, 316 alloys are more resistant to total corrosion and pitting/crevice corrosion.

They also provide higher creep, stress fracture and tensile strength at high temperatures. High-carbon alloy 316 stainless steel is susceptible to grain boundary chromium carbide formation at temperatures of approximately 900 to 1500°F (425 to 815°C), resulting in intergranular corrosion.

Anti-sensitization was achieved in the alloy 316Ti, and titanium was added to stabilize the structure and prevent chromium carbide precipitation, which is the source of sensitization. This stability is achieved through a medium temperature thermal treatment, during which titanium reacts with carbon to form titanium carbide.

This significantly reduces the sensitivity to sensitization in use by limiting the formation of chromium carbide. As a result, the alloy can be used for a long time at high temperatures without affecting its corrosion resistance. 316Ti has the same resistance to sensitized corrosion as the low-carbon version 316L.

The characteristics of 316Ti:

For higher-carbon austenitic stainless steels, titanium can be added as a stabilizing element to decrease the formation of chromium carbides. As a result, it improves the resistance to aqueous corrosion in the welding sections which can happen to stainless steel grades of higher carbon content.

Use of 316Ti stainless steel:

- 1) Equipment resistant to sulfuric acid, phosphoric acid, acetic acid and acetic acid;
- 2) Petrochemical;
- 3) Electromechanical hardware;
- 4) Shipyard;
- 5) Power plants;
- 6) Others.

The components of 304 are as follows:

Grade		C	Mn	Si	P	S	Cr	Mo	Ni	Ti
304	min.	-	-	-	-0.035	-	16	1.8-2.5	10	≥0.2-0.7
	max.	0.08	2	1		0.03	19		14	

Mechanical property about the 316Ti stainless steel pipe:

YS(Mpa) ≥205

TS(Mpa) ≥520

EL(%) ≥40

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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