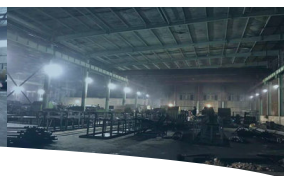




ZHEHENG STEEL

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



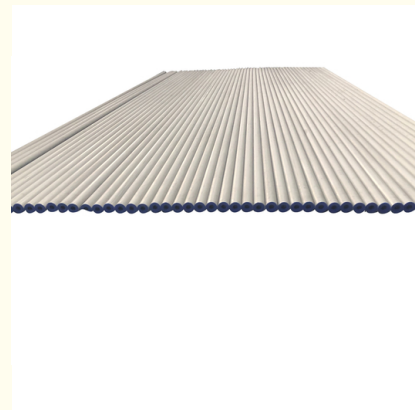
ATSM A790 Duplex Stainless Steel Pipe S32205 Corrosion Resistance 6mm

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: Duplex Stainless Steel Pipe
- Material: S32205
- Standard: ASTM, GB, JIS, DIN, EN, AISI
- Size: 6mm-325mm
- Technique: Cold-drawn
- Shipment: By Sea, Air Or Others
- Application: Chemical Industry
- Highlight: **Corrosion Resistance Duplex Stainless Steel Pipe**
, S32205 Duplex Stainless Steel Pipe,
6mm Duplex Stainless Steel Pipe



More Images



Product Description

ATSM A790 Duplex Stainless Steel Pipe S32205 Corrosion Resistance

Product Discription:

duplex 2205 stainless steel (UNS S32205 formerly known as UNS S31803, commonly referred to as "Alloy 2205") with a mixed microstructure of austenite and ferrite, is a two-phase alloy based on the Fe-Cr-Ni series and is the most widely used duplex stainless steel. The nickel and molybdenum content of 2205 alloy material is lower than that of austenitic stainless steel and has similar corrosion resistance. Due to the relatively high price of Ni and Mo, duplex stainless steel 2205 is often seen as a cost-effective alternative to austenitic stainless steel.

The special advantages of 2205 duplex stainless steel compared to traditional 300 series stainless steels such as SS 304, SS 316, SS 301, SS 904L and 303, etc., are strength (about twice that of austenitic stainless steel) and excellent resistance to chloride SCC and pitting. The high yield strength has sufficient pressure and bearing capacity, and can be made into thin-walled materials, greatly reducing weight.

Features:

Corrosion Resistance

Alloy 2205 (UNS S31803, S32205) has much better corrosion resistance than stainless steel 304 and SS 316, such as excellent pitting resistance (PREN = 30.5), superior resistance to chloride SCC, and resistance to abrasion.

Use of S32205 duplex stainless steel:

Chemical industry: Sour gas piping, Heat exchanger, tanks and vessels for chloridecontaining media

Oil and Gas industry: Piping and process equipment, offshore structures

Cargo tanks in ships for transport of chemicals

Flue gas desulphurization systems, Electrostatic precipitators

Pulp and Paper industry: Digester

The components of S32205 are as follows:

Designation	C	Mn	P	S	Si	Ni	Cr	Mo	N	Cu
S32205	0.030	2.00	0.030	0.020	1.00	4.5-6.5	22.0-23.0	3.0-3.5	0.14-0.20	...

Tensile and Hardness Requirements about the S32205 Duplex steel pipe:

Designation	Tensile Strength, min, ksi [MPa]	Yield Strength, min, ksi [MPa]	Elongation in 2 in. or 50 mm, min, %	Hardness, max	
				HBW	HRC
S32205	95[655]	65[450]	25	290	30

Products available:

Hot Rolled Plates

· Width – 1250

· Thickness - 5 mm to 80 mm

Hot Rolled Coils

· Width – 1250

· Thickness - 5-6 mm

Cold Rolled Coil & Sheets

· Width – 1250

· Thickness - 0.5 mm to 3 mm

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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Wenzhou Zheheng Steel Industry Co.,Ltd

☎ 15858820108

✉ sales@zhehengsteel.com

🌐 stainless-steelseamlesspipe.com

No999 .wenzhou airport wenzhou city,zhejiang china