



ZHEHENG STEEL

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



ATSM A790 Duplex Stainless Steel Pipe S32550 Stress Corrosion Cracking Resistance

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: S32520
- Standard: ASTM, GB, JIS, DIN, EN, AISI
- Size: 6mm-400mm
- Technique: Cold-drawn
- Shipment: By Sea, Air Or Others
- Characteristics: Stress Corrosion Cracking Resistance
- Highlight: **A790 Duplex Steel Pipe,
Duplex Cold-drawn Stainless Steel Pipe,
S32550 Duplex Steel Pipe**



Product Description

ATSM A790 Duplex Stainless Steel Pipe S32550 is Stress corrosion cracking resistance

Product Discription:

S32550 is the Unified Numbering System (UNS) designation for the original super duplex stainless steel, best known as Ferralium 255.

The UNS system was created by a number of trade groups working together in the 1970's, to reduce confusion from the same alloy being called different things or vice-versa. Each metal is indicated by a letter followed by five numbers, where the letter indicates the family of metals i.e. S for stainless steels.

Ferralium 255 (UNS32550, DIN 1.4507, F61) is the original SDSS, developed by Langley Alloys in the 1960's. It is still the only super duplex to provide a yield strength >85ksi, whilst it's increased copper content (2%) ensures greater resistance to acids.

The characteristics of Duplex 32520:

Corrosion resistance: S32550 stainless steel pipe has excellent corrosion resistance, especially in corrosive environments such as seawater, chloride-containing solutions, and acidic conditions.

High Strength: Super duplex steel UNS S32550 pipes have high tensile strength for strong and durable piping solutions. Excellent toughness: S32550 stainless steel pipe has excellent toughness and impact resistance, making it suitable for applications under harsh conditions.

Stress corrosion cracking resistance: A790 duplex steel s32550 round pipes exhibit good resistance to stress corrosion cracking (SCC), which may occur in environments where tensile stress and corrosion conditions are combined.

High-temperature performance: Super duplex stainless steel can maintain its mechanical properties and corrosion resistance even at high temperatures, making it suitable for high-temperature applications.

Use of S32550 duplex stainless steel:

Petrochemical industry: Stainless steel and double steel plate 1.4507 are used in petrochemical products such as washing machines, drying equipment, mixers, centrifuges, pumps, fans, solid and magnetic components.

Purchase: Stainless steel special equipment with 2550 layers of metal alloys, such as washing machines, dry cleaners, mixers and centrifuges, ensures corrosion of chemicals and makes them une.

The environmental community: The two Sakelik sculptures have 3,250 bottles to deal with polluting equipment, such as smoke and salinization facilities, which can cause rust and cracks.

The components of S32550 are as follows:

Designation	C	Mn	P	S	Si	Ni	Cr	Mo	N	Cu
S32550	0.04	1.50	0.04	0.030	1.00	4.5-6.5	24.0-27.0	2.9-3.9	0.10-0.25	1.5-2.50

Tensile and Hardness Requirements about the S32550 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
S32550	110[760]	80[550]	15	297	31

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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