



ZHEHENG STEEL

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

## ATSM A790 Duplex Stainless Steel Pipe S32101 Corrosion Resistance

Our Product Introduction

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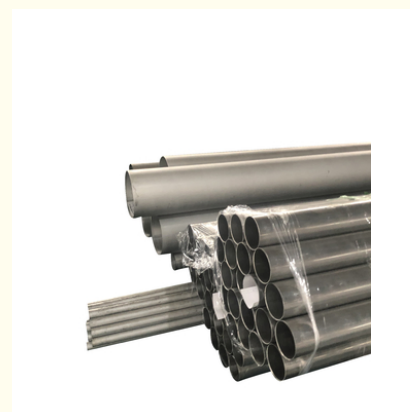
### Basic Information

- 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

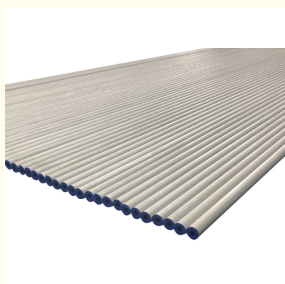


### Product Specification

- Product Name: Duplex Steel Pipe
- Material: S32101
- Characteristics: Good General Corrosion Resistance
- Standard: ASTM, GB, JIS, DIN, EN, AISI
- Size: 6mm-325mm
- Technique: Cold-drawn
- Highlight: **S32101 Duplex Steel Pipe, Duplex Steel Pipe corrosion resistance, ATSM A790 Duplex Stainless Steel Pipe**



### More Images



## Product Description

### ATSM A790 Duplex Stainless Steel Pipe S32101 Good general corrosion resistance

#### Product Discription:

Duplex stainless steel 2101 (UNS S32101) offers high strength and corrosion resistance, comparable to certification grades such as 316L. Due to their low nickel and molybdenum content, excellent mechanical properties and good corrosion resistance, they can be used in a variety of applications, providing durability and long-term cost effectiveness.

#### Characteristics:

High resistance to chloride stress corrosion cracking

Chloride pitting and crevice corrosion resistance comparable to 316L stainless

Good general corrosion resistance

High strength

Good sulfide stress corrosion resistance

Good machinability and weldability

Corrosion Resistance: The corrosion resistance of S32101 is generally good, and therefore is suitable for use in a wide range of general-purpose applications and environments. Attributable to its duplex structure, S32101 offers an excellent resistance to stress corrosion cracking. It also offers corrosion resistance comparable to 304L and 316L stainless steel, making it an excellent candidate to replace 300 series stainless in a wide variety of applications.

#### Use of S32101 duplex stainless steel:

Storage Tanks: Palm oil, Wine, Marble slurry, Potable and Sewage water, Ethanol, Fruit juice, Biodiesel

Infrastructure: Bridges, Sluice gates

General-purpose applications and environments: Heat Exchangers, Water Heaters, Sea-water systems, Flue-gas cleaning.

#### The components of S32101 are as follows:

Designation	C	Mn	P	S	Si	Ni	Cr	Mo	N	Cu	others
S32101	0.04	4.0-6.0	0.04	0.03	1.00	1.35-1.70	21.0-22.0	0.1-0.8	0.2-0.25	0.1-0.8	...

#### Tensile and Hardness Requirements about the S32101 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
S32101(t≤0.187 in.[5.00mm])	101 [700]	77 [530]	30	290	
S32101(t 0.187 in.[5.00mm])	94 [650]	65[450]	30	290	

#### S32101 Physical Properties

Density: 0.278 lb/inch<sup>3</sup>

Melting Point: 2525- 2630°F

Poisson's Ratio: 0.3

Electrical Resistivity: 481 Ohm - circ mil/ft

#### 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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