



ZHEHENG STEEL

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



EN 1.4362 Duplex Stainless Steel Pipe ATSM A790 S32304 Use Of Storage Tanks

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 Number: S32304
- Standard: ASTM, GB, JIS, DIN, EN, AISI
- Size: 6mm-325mm
- Technique: Cold-drawn
- Shipment: By Sea, Air Or Others
- Adhibition: Storage Tanks
- Highlight: **S32304 Duplex Stainless Steel Pipe,
EN 1.4362 Duplex Stainless Steel Pipe,
Cold-drawn Duplex Steel Pipe**



Product Description

ATSM A790 Duplex Stainless Steel Pipe S32304 -EN 1.4362 Use of Storage Tanks

Product Discription:

S32304(2304) is a 22.5% Cr, 3% nickel, Mo duplex stainless steel. Alloy 2304 has corrosion resistance similar to 316L. Its mechanical properties, i.e. yield strength, are twice that of the 304L/316L austenite grade, which allows designers to reduce weight, especially for properly designed pressure vessel applications. UNS S32304 is a lean biphasic steel, similar to other biphasic steels used with it; However, due to its low alloy content, its resistance to pitting and crevice corrosion is low (PREN is about 26). Compared with 304 and 316, the alloy has a biphasic structure, low nickel and high chromium content, and has better stress corrosion resistance. Enhanced versions with PREN≥28 are also available upon request.

Features:

Corrosion resistance:

Due to its high chromium content of 23%, the corrosion resistance of biphasic 2304 is actually equivalent to that of 316L alloy. Its biphasic structure and low nickel and high chromium content make biphasic 2304 have better stress corrosion resistance compared to 304L and 316L standard austenite grades. The stress corrosion cracking performance in chlorinated aqueous solution is better than that of alloys 304L and 316L, and the corrosion rate (65%) in boiling water nitric acid is higher than that of alloy 316L. Its high yield strength makes biphasic 2304 perform well in wear/corrosion applications, compared with molybdenum biphasic stainless steel. The microstructure of duplex 2304 is very stable with equal amounts of ferrite and austenite in the annealed tissue.

Use of S32304 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 S32304 are as follows:

Designation	C	Mn	P	S	Si	Ni	Cr	Mo	N	Cu
S32304	0.030	2.50	0.040	0.040	1.00	3.0-5.5	21.5-24.5	0.05-0.6	0.05-0.20	0.05-0.6

Tensile and Hardness Requirements about the S32304 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
S32304	87[600]	58[400]	25	290	30

Products available:

Hot Rolled Plates and Coils

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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