



ZHEHENG STEEL

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

ATSM A790 Duplex Stainless Steel Pipe S31803 High Cold Deformation Plasticity

Our Product Introduction

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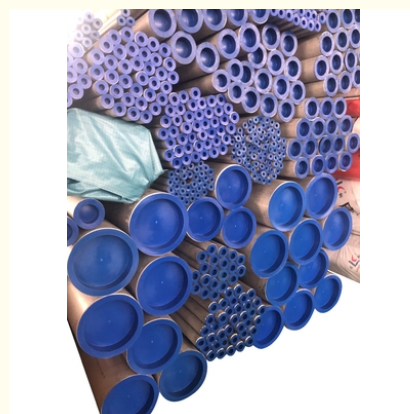
Basic Information

- 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: S31803
- Standard: ASTM, GB, JIS, DIN, EN, AISI
- Size: 6mm-325mm
- Technique: Cold-drawn
- Shipment: By Sea, Air Or Others
- Feature: High Cold Deformation Plasticity
- Highlight: **ATSM A790 Duplex stainless Steel Pipe, 325mm Duplex Steel Pipe, Cold drawn Duplex stainless Steel Pipe**



Product Description

ATSM A790 Duplex stainless Steel Pipe S31803 High cold deformation plasticity

Product Discription:

Our duplex steel UNS S31803 pipes offer the excellent properties of ferritic and austenitic stainless steels. These pipes are chemically high in nickel, chromium and molybdenum and have good corrosion resistance. The duplex steel UNS S31803 pipe contains chromium and has good resistance to stress corrosion cracking. In addition, the molybdenum and nickel content provides very good resistance to cracking, erosion, pitting, and general corrosion in many environments. Ferritic and austenitic structures provide excellent strength and double the yield strength compared to other stainless steel grades. In addition, the duplex steel S31803 pipe can handle pressure and temperature conditions well. Our pipes have excellent toughness at low temperatures. In addition, the duplex steel UNS S31803 pipe has excellent weldability and machinability. The pipeline we provide is the most useful option in several applications.

Features:

High cold deformation plasticity

The welding performance of arc welding and contact welding is good

Duplex stainless steel corrosion resistant. They have strong resistance to inter-granular corrosion. Even in chloride and sulfide environments, duplex stainless steels show very high resistance to stress corrosion cracking. Duplex stainless steel work hardening alloy. Their micro-structure consists of austenitic phase and ferritic phase. Therefore, duplex stainless steel shows the characteristics of austenitic and ferritic stainless steel. This combination of properties may mean some compromise compared to pure austenite and pure ferrite.

Use of S31803 duplex stainless steel:

S31803 is generally used in the production of chemical, chemical fertilizer and chemical fiber and other industrial equipment, such as containers, pipes and structural parts.

The components of S31803 are as follows:

Designation	C	Mn	P	S	Si	Ni	Cr	Mo	N	Cu
S31803	0.030	2.00	0.030	0.020	1.00	4.5-6.5	21.0-23.0	2.5-3.5	0.08-0.20	...

Tensile and Hardness Requirements about the S31803 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
S31803	90[620]	65[450]	25	290	30

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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