



ZHEHENG STEEL

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

Super Duplex Stainless Steel Welded/Seamless Pipes ASTM A790 UNS S32760

Our Product Introduction

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Basic Information

- Place of Origin: Wenzhou, China
- Brand Name: Zheheng
- Certification: ISO9001
- Model Number: UNS S32760
- Minimum Order Quantity: MOQ500kg
- Packaging Details: In wooded cases or pallets, or as for clients requirement
- Delivery Time: 7-15 working days after receiving payment
- Payment Terms: L/C, D/P, T/T, Western Union
- Supply Ability: 1000 Ton/Tons per Month



Product Specification

- Thickness: 0.5-60mm
- Size: 1/4" - 24"
- OD: 6-2000mm
- Section Shape: Round
- Surface Finish: Polishing, Hair Line, Pickling
- Price Terms: FOB, CIF, CFR, EXW
- Length: 6-7 M
- Usage: Industry
- Technique: Cold Drawn Or Hot Rolled
- Highlight: **Duplex Stainless Steel Welded Seamless Pipes, A790 Stainless Steel Welded Pipe, UNS S32760 Duplex Steel Pipe**



Product Description

Super Duplex UNS S32760 Characteristic

S32760 super duplex stainless steel is developed to be used in aggressive environments. Properties of S32760 include toughness, high strength, corrosion resistance in a large number of organic and inorganic acids. Finally it features high resistance to strong alkalis and resists corrosion in a number of non-oxidizing acids. While involving extended exposure to temperatures more than 572F use of S32760 is not recommended. The chemical composition of UNS S32750 and UNS S32760 are similar; however, the latter contains slightly more copper and tungsten. The copper content (min. 0.5, max 1.0) permits excellent resistance to corrosion in many non-oxidizing and mineral acids like hydrochloric and sulfuric acid

Duplex Stainless Steel Features

Duplex stainless steels have Austenitic and Ferritic stainless steel microstructure, and possess properties in two groups stainless steel, however, there are different.

Versus Austenitic:

Higher yield strength
Greater corrosion resistance
Stress corrosion cracking resistance
Not common, used temperate under 250 C. Fabricability not good as Austenitic
Strictly control heat treatment and welding process
Price stability

Versus Ferritic:

Good toughness than Ferric, not hard
Greater corrosion
Fabricability is better
Better weldability
Wide usage than Ferritic
Higher price

Use

Chemical processing, transport and storage Oil and gas exploration and offshore rigs
Oil and gas refining
Marine environments
Pollution control equipment
Pulp & paper manufacturing
Chemical process plant

UNS S32760 stainless pipe Chemical Composition

Grade	C≤	Mn≤	P≤	S≤	Si≤	Ni	Cr	Mo	N	Cu
S32760	0.05	1	0.03	0.01	1	6.0-8.0	24.0-26.0	3.0-4.0	0.20-0.30	0.50-1.00

Mechanical Properties

Mechanical properties	Tensile, min, ksi[MPa]	Yield, min, ksi[MPa]	Elongation, %(min)	Hardness, HB(max)
S32760	109 [750]	80 [550]	25	300

Physical Properties

0.2% Proof Stress (N/mm2) [ksi] minimum	550 [79.8]
Ultimate Tensile Strength (N/mm2) [ksi] minimum	750 [108.8]
Elongation (%) minimum	25
Hardness (HBN)	270max
Reduction of Cross Section Area (%) minimum	45
Charpy V-notch Impact at ambient Temp (J) [ft.lb]	80min [59min]
Charpy V-notch Impact at -46°C (J) [ft.lb]	45av, 35min [33av, 25.8min]

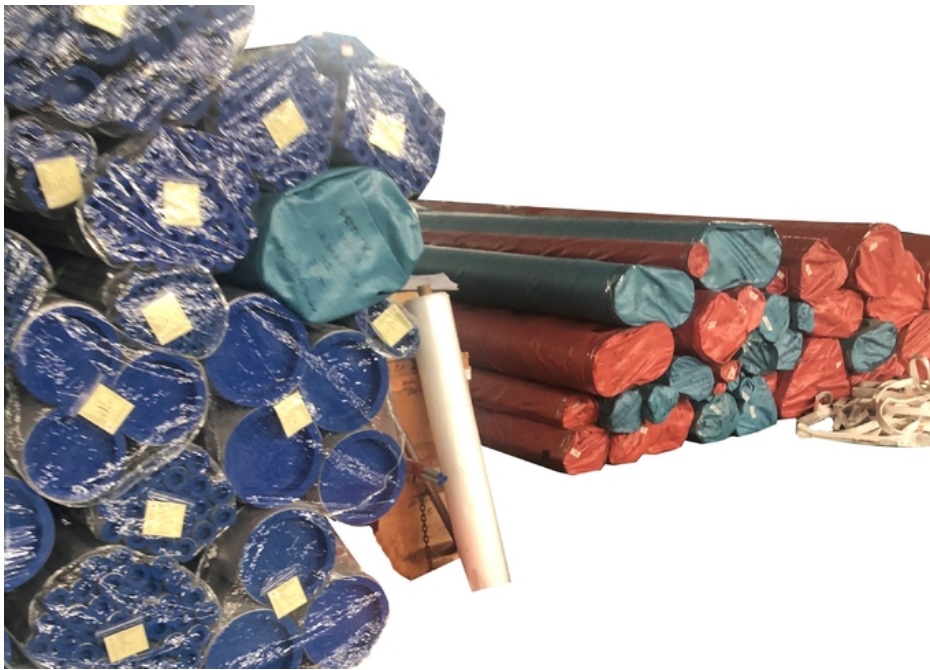
Product Testing

Coating Thk Test
Geometry inspection
Ultrasonic Inspection
Nondestructive Testing
Hydrostatic Testing

Package Process

1.with plastic cap to protect both ends
2.weaving bag wrapped outside the pipe
3.then pack into wooden case.

Image



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☎ 15858820108

✉ sales@zhehengsteel.com

🌐 stainless-steelseamlesspipe.com

No999 .wenzhou airport wenzhou city,zhejiang china