



ZHEHENG STEEL

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

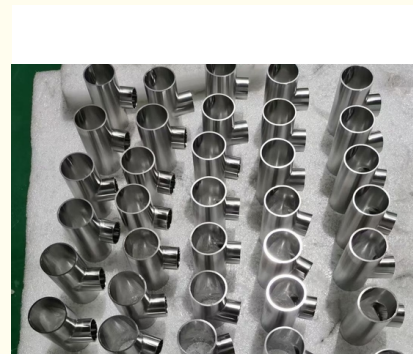
## ASTM A815 S32750 Stainless Steel Fittings 1-1/2" Equal Tee Super Duplex Steel B16.9

Our Product Introduction

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### Basic Information

- Place of Origin: Wenzhou, China
- Brand Name: Zheheng
- Certification: ISO9001
- Model Number: duplex pipe Tee
- 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

- Common Name: 2507
- Thickness: SCH5S-SCH160 Or As Required
- Size: 1/4" - 60"
- OD: 6-2000mm
- Type: Buttweld/seamless
- Price Terms: FOB, CIF, EXW
- Usage: Industry
- Technique: Cold Drawn Or Hot Rolled
- Highlight: **ASTM A815 Stainless Steel Fittings,  
1-1/2in Stainless Steel Fittings,  
S32750 Stainless Steel Pipe Fittings**



## Product Description

### ASTM A815 S32750 Stainless Steel Fittings 1-1/2" Equal Tee Super Duplex Steel B16.9

#### Super Duplex 2507 Characteristic

Duplex stainless steels are extremely corrosion resistant, work hardenable alloys. Their microstructures consist of a mixture of austenite and ferrite phases. As a result, duplex stainless steels display properties characteristic of both austenitic and ferritic stainless steels. This combination of properties can mean some compromise when compared with pure austenitic and pure ferritic grades. Duplex stainless steels are in most cases, tougher than ferritic stainless steels. Strengths of duplex stainless steels can in some cases be double that for austenitic stainless steels. Whilst duplex stainless steels are considered resistant to stress corrosion cracking, they are not as resistant to this form of attack as ferritic stainless steels. However, the corrosion resistance of the least resistant duplex stainless steels is greater than that for the most commonly used grades of stainless steels, i.e. 304 and 316. Duplex steels are also magnetic, a property that can be used to easily differentiate them from common austenitic grades of stainless.

#### Influence of elements on steel properties

1. The addition of molybdenum increases the pipe's strength and resistance to pitting and crevice corrosion.
2. While nickel enhances the pipe's ductility and toughness. The high levels of chromium provide excellent resistance to oxidizing agents and corrosion caused by chlorides, making super duplex 2507 pipes an attractive option for use in saltwater and acidic environments.

#### Advantages

1. 2507 have a pipe exceptional strength. These pipes are designed to withstand high levels of pressure and stress, making them ideal for use in offshore drilling and chemical processing applications.
2. 2507 pipes have a high level of resistance to fatigue, making them suitable for use in applications that require repetitive cycling or high levels of stress.
3. It has a outstanding resistance to corrosion. The high levels of chromium, molybdenum, and nickel give these pipes excellent resistance to both general and localized corrosion, including pitting and crevice corrosion. This makes super duplex 2507 pipes an ideal choice for use in harsh and corrosive environments that can quickly deteriorate standard pipes.
4. It has a highly versatile and can be easily customized to meet specific application needs. They are available in a wide range of sizes, grades, and thicknesses, which can be configured according to the needs of a particular project.

#### Usage

1. heat exchangers.
2. oil and gas industry equipment
3. offshore platforms.
4. chemical process industries, vessels, and piping.
5. Mechanical and structural components, high strength, corrosion-resistant parts.

#### Chemical Composition

S32750	Content
C	0.03max
Mn	1.2max
P	0.035max
S	0.015max
Si	0.8max
Cr	24.0-26.0
Ni	6.0-8.0
Mo	3.0-5.0
N	0.24-0.35
Cu	0.5max

#### Mechanical Properties

Grade	Deasity(g/cm3	Density(lb/in3	Melting Point(°C)	Melting point(°F)
S32750	7.8	0.281	1350	2460

#### Product Testing

Coating Thk Test  
 Geometry inspection  
 Ultrasonic Inspection  
 Nondestructive Testing  
 Hydrostatic Testing

#### Image



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