



Polished Pickling Strength Pressure Stainless Steel Duplex Pipe ASTM ASME

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: HUADE
- Model Number: 31803
- Minimum Order Quantity: 1000kg



Product Specification

- Wall Thickness: Customizable
- Pressure Rating: High
- Corrosion Resistance: High
- Strength: High
- Pipe Size: Customizable
- Length: Customizable
- Surface Finish: Polished, Pickling
- Weldability: Excellent
- Highlight: **Polished Stainless Steel Duplex Pipe,
Pickling Stainless Steel Duplex Pipe,
ASME duplex seamless pipe**

Product Description

Stainless Steel Duplex Customizable Wall Pipe For Petro Chemcial

About Huachang

Huachang, a know-how manufacturer of stainless steel pipes and tubes, has been providing **super big outer diameter and super heavy wall pipes** to our world-wide customers in multifarious industries **since 1998**.

Huachang specializes in **seamless & welded pipes/tubes** in very **extensive range** of materials including **Stainless Steel, Duplex Steel, Nickle Alloys**.

Huachang will continue to serve customers and clients with reliable pipes and tubes and contribute to society and develop itself.

Description of Seamless Steel Pipe



Specification



Applicable Standards

ASTM ASME

A/SA213, A/SA249 A/SA269, A/SA312 A/SA358, A/SA376 A/SA511, A/SA688 A/SA1016
A/SA789 A/SA790 A/SA928
B163, B167, B407, B423, B444, B622, B729

JIS

JIS G3446 JIS G3448 JIS G3459 JIS G3463 JIS G3468

EN&DIN

EN 10216-5 EN10217-7 EN10297-2 DIN 17456 DIN 17458 DIN 17459

Austenitic Steel

TP304/304L/304H/304LN
TP310/TP310S/TP310H
TP316/316L/316N/316H/316LN/TP316Ti
TP317/317L/317LM/317LMN
TP321/321H
TP347/347H
UNS N08904(904L/1.4539)
SUS304TP, SUS304HTP, SUS304LTP
SUS310TP, SUS310STP, SUS316HTP
SUS316TP, SUS316LTP, SUS316TiTP
SUS317TP, SUS317LTP, SUS321TP
SUS321HTP, SUS347TP, SUS347HTP
1.4301, 1.4306, 1.4307, 1.4311, 1.4541
1.4550, 1.4401, 1.4404, 1.4571, 1.4429
1.4436, 1.4435, 1.4439, 1.4539, 1.4462
1.4424, 1.4410, 1.4507, 1.4501, 1.4910

Duplex Steel

UNS S31500/S31803/S32205
UNS S32750/S32760
Nickle Alloy
UNS N06600/N06625
UNS N08020/N08800/
UNS N08810/N08811/N08825

2.4816 2.4856, 2.4660, 1.4876, 1.4958, 1.4959, 2.4858, 2.4819

Others: GOST, API 5LC, NFA, GB.....are available on request

Dimension Range

Seamless pipe/tube

O.D:6mm -1219mm W.T:0.5mm-88mm Length:Max 28Meters
Welded pipe/tube
O.D:168.3mm -3000mm W.T:4mm-80mm Length:Max 18Meters

Seamless steel pipe application

Huachang has been obtaining the successful experiences and performance in Oil&Gas Industry,Petrochemical Industry, Chemical Industry, Refinery Industry, Off-shore Industry, Ship-construction Industry, Power Generation and Energy Industries,Nuclear PowerIndustries, Engineering& Construction Industries, Pulp & Paper industries, Pharmaceutical & Food Industries,Pressure Vessel Industry, Mechanical Equipment Manufacturing Industry, Aerospace and Military Industries etc, and also serving in many projects in home and abroad for manyyears.

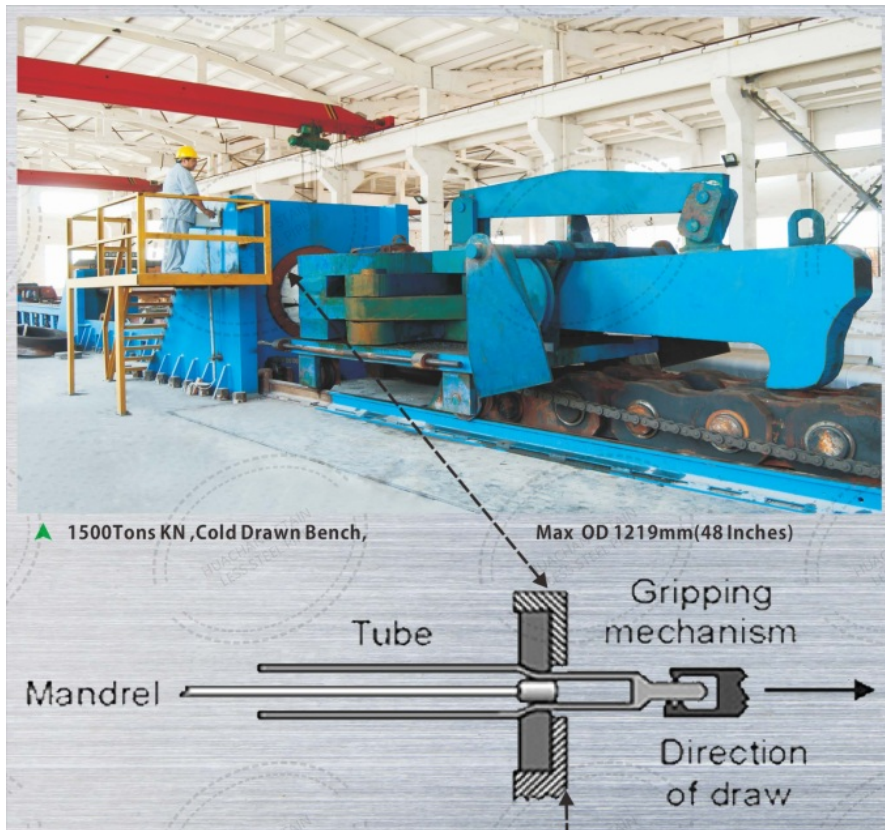
Huachang is active participant in the home and overseas mega Projects,Key cases as below:

- 2016, partaked in **PETRONAS RAPID**(Refinery and Petrochemical IntegratedDevelopment) project for 1.28 million Tons ofethylene/Year;
- 2018,participated in the **ITER** (International Thernuclear Experimental Reactor)Project, Nuclear PowerProject,in South France.
- 2018~2019, supplied pipes & tubes to the China largest joint venture refinery project:**Sino-Kuwait** integrated refinery& petrochemical project. Huachang pipes and tubes were used in units and plants such as: Steam cracking unit; High-density polyethylene unit;Catalytic gasoline adsorption desulfurization unit; EVA- Ethylene-Vinyl Acetate copolymer unit; Ethanolamine plant; Waste alkali treatment unit.
- 2017 ~2019, delivered pipes and tubes to the largest China & Korea joint venture:**SINOPEC-SK**, Wuhan,800000T/A Ethylene Project.



Factory production facilities

Seamless pipes production

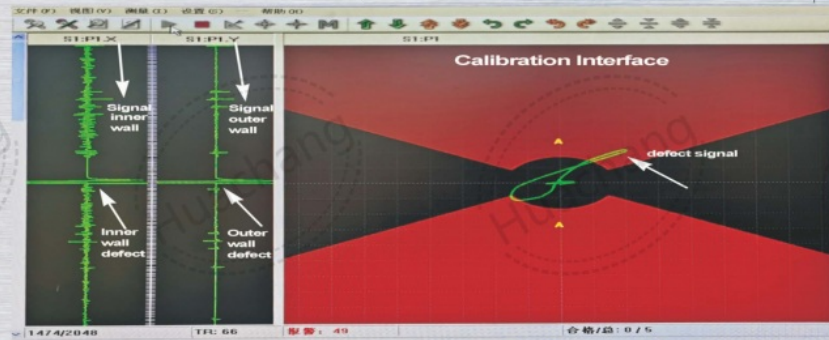


Inspection&Testing Facilities

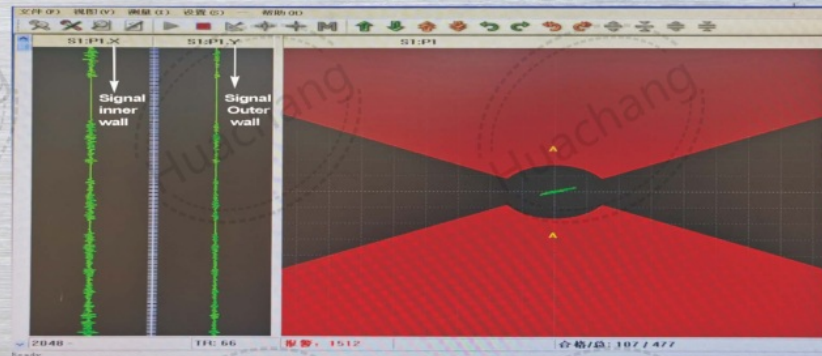
Eddy Current & Ultrasonic Integrated flaw detector



▲ Eddy Current Tester



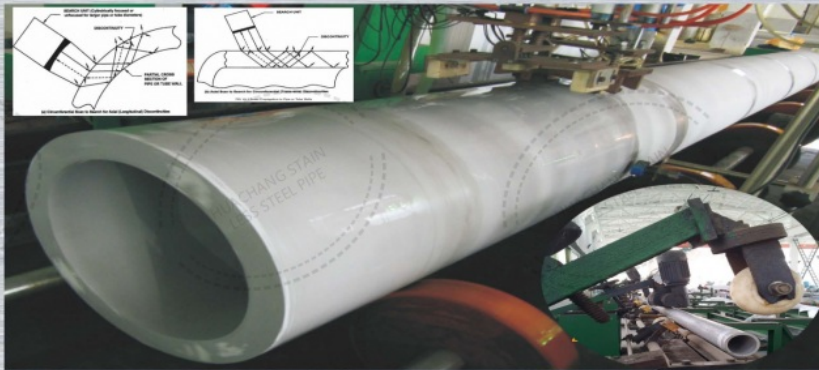
▲ ET-Calibration-Defects Signal



▲ ET-Qualified Signal



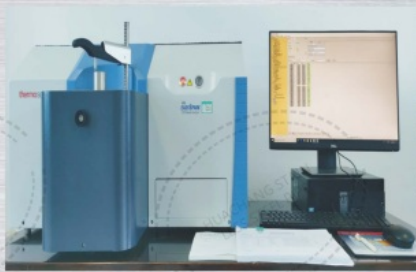
▲ Universal Testers & Hot Tensile Tester



▲ UT Big TP347H 610X50mm & Small Tube



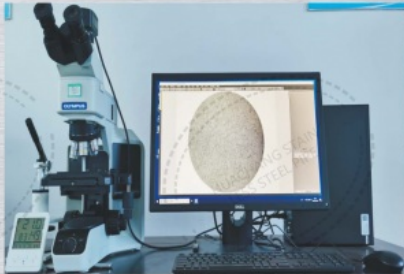
▲ Hydrostatic Test



▲ Direct reading Spectrometer



▲ Infrared sulfur carbon analyzer



▲ Metallographic microscope



▲ Impact Tester



▲ Hardness Tester



▲ IGC (Intergranular Corrosion Test)

Certificate

ABS

Certificate Number: 28-03-0001
 Issuance Date: 28 July 2020
 Expiry Date: 28 July 2022
 Validity: 28 months

CERTIFICATE OF Manufacturing Assessment

This is to certify that the following company has been assessed for its compliance with the requirements of the relevant standards and has been found to be in compliance with the requirements of the relevant standards.

JIANGYIN HUACHANG STAINLESS STEEL PIPE CO., LTD
 located at
 JIANGYIN CITY, P. R. CHINA

The quality management system during production was verified to confirm the specific measures required by the relevant standards, the assessment was based on the results of the assessment of the company's quality management system.

Pipe, Stainless Steel

This assessment was conducted in accordance with the requirements of the relevant standards and the results of the assessment are as follows:

The ABC Office issuing the certificate is to be kept updated with changes to the production process and the company's quality management system.

Assessment Item	Score	Total	Fourth
Summary			
Top and date			

NOTE: This Certificate is valid only for the purpose of the assessment and is not a guarantee of the company's compliance with the relevant standards. The company is responsible for maintaining its compliance with the relevant standards and for ensuring that its quality management system is effective.

Certificate of Manufacturing Assessment No. 28-03-0001

TUV NORD

CERTIFICATE

Management system as per
ISO 9001:2015
 (as per ISO 9001:2015)

The certificate is issued to the company as a result of the audit and assessment of the company's management system.

Jiangyin Huachang Stainless Steel Pipe Co., Ltd.
 No. 12, Zhongyuan Road, Jiangyin City, Jiangsu Province, P. R. China

Unified Social Credit Code: 91330481MA28300000

The certificate is issued in accordance with the requirements of the relevant standards and the results of the assessment are as follows:

Manufacturing of Seamless Stainless Steel Pipes and Welded Stainless Steel Pipes (Covering Products That Have Production License Requirements Subject to Production License Limited Scope)

Certificate Registration No.: 44 100 000000
 Audit Number: 21-00000000

Valid from: 2021-01-01
 Valid until: 2023-12-31
 Initial Certification: 2020-08-26

NOTE: This Certificate is valid only for the purpose of the assessment and is not a guarantee of the company's compliance with the relevant standards. The company is responsible for maintaining its compliance with the relevant standards and for ensuring that its quality management system is effective.

CERTIFICATE

For Product Conformity

Certificate No. 154382380

Name and address of the manufacturer:
 Jiangyin Huachang Stainless Steel Pipe Co., Ltd.
 No. 12, Zhongyuan Road, Jiangyin City, Jiangsu Province, P. R. China 214401

We certify that the above company has been assessed for approval of its production facility for manufacturing of Stainless Steel Seamless Pipes. A quality control system established and operated by the company was audited by TÜV Rheinland, and found the company has the facilities and capabilities to manufacture the Stainless Steel Seamless Pipes in compliance with the requirements of the applicable ASME/ASTM material standard of ASME Boiler and Pressure Vessel Code Section II, Part A.

Manufacturing Scope:
 Manufacturing of Stainless Steel Seamless Pipes (Approved Material see annex to certificate)

Manufacturing Site:
 Jiangyin Huachang Stainless Steel Pipe Co., Ltd.
 No. 12, Zhongyuan Road, Jiangyin City, Jiangsu Province, P. R. China 214401

This certificate is valid until 15 December 2021.

Subject to the continued satisfactory operation of the company, and to annual audits as per TÜV Rheinland General procedure.

Shanghai: 20 December 2018

Wolfgang Weßing
 General Manager
 TÜV Rheinland Industrial Services
 TÜV Rheinland Greater China

TÜV Rheinland (Shanghai) Co., Ltd.
 No. 111, Lane 111, West Zhongyuan Road, Jiangyin District, Shanghai, P. R. China 200001
 Tel: 86-21-5010-1111
 Fax: 86-21-5010-1111

TÜV Rheinland
 Priority Right

TUV NORD

CERTIFICATE

Quality Assurance System for material manufacturer according to Pressure Equipment Directive 2014/68/EU

Certificate No.: 01202000000000000000

Name and address of the manufacturer:
 Jiangyin Huachang Stainless Steel Pipe Co., Ltd.
 No. 12, Zhongyuan Road, Jiangyin City, Jiangsu Province, 214401, P. R. China

Herewith we certify that the manufacturer has established and applied a quality assurance system related to the product. This QA system has been audited in a specific assessment acc. to directive 2014/68/EU, annex I, point 4.3 with regard to the materials mentioned in the scope of approval.

Approved acc. to directive 2014/68/EU:
 Certification file no.: 0119000000
 Audit report file no.: 00000000_000000
 Scope of approval: Seamless tubes of austenitic steels

Production site:
 No. 1051, Xizheng Road, Jiangyin City, Jiangsu Province, 214401, P. R. China

The certificate is valid until:
 November 2023

Only valid in conjunction with a valid certificate no. 0119000000

Product family: 0000 for pressure equipment

NOTE: This Certificate is valid only for the purpose of the assessment and is not a guarantee of the company's compliance with the relevant standards. The company is responsible for maintaining its compliance with the relevant standards and for ensuring that its quality management system is effective.



FAQ

1.Q:Are you a manufacturer?

A:Yes.Huachang is a SS pipe **manufacturer**.

2.Q:What are the advantages of your company?

- A:(1)We have more than **20 years** SS pipe production experience.
 (2)We are qualified supplier from many large companies such as CNPC,CPCC,CNOOC...
 (3)We can produce both seamless and weld pipe.
 (4)Cover wide size range.
 (5)We have qualification certificates such as:ABS BV DNV CCS KR PED...
 (6)E-mail:huachang@hccg.cn

Product Description:

The stainless steel duplex pipe is a high-performance solution for a variety of industrial applications, known for its exceptional strength, pressure rating, and corrosion resistance. This product is crafted using an advanced cold rolling process, which significantly enhances its structural integrity and reliability. The use of duplex stainless steel combines the best attributes of both austenitic and ferritic stainless steel, resulting in a material that does not only withstand high pressures but also resists the harshest of corrosive environments. One of the remarkable features of this stainless steel duplex pipe is its high strength. The material is designed to bear substantial stress and load, making it an ideal choice for systems that operate under severe conditions. The increased strength-to-weight ratio of duplex stainless steel allows for the construction of lighter yet more durable piping systems. This characteristic is particularly beneficial in applications where the overall system weight is a critical factor, such as in the aerospace and automotive industries. When it comes to pressure rating, the cold rolled stainless steel pipe stands out with its high capability. The cold rolling process compacts the grain structure of the steel, which in turn results in increased yield and tensile strength. This process allows the pipe to maintain its integrity even under high pressure, making it suitable for high-pressure applications such as hydraulic systems, chemical processing plants, and oil and gas pipelines. The corrosion resistance of cold rolled stainless steel pipe is another significant attribute that cannot be overstated. Its resistance to pitting, crevice corrosion, and stress corrosion cracking is essential for applications that involve exposure to corrosive substances or environments. Whether used in marine applications, exposed to chlorides, or in acidic or alkaline conditions, the duplex stainless steel pipe ensures longevity and dependability. This quality reduces maintenance costs and extends the service life of the piping system. Customizability is a key aspect of the duplex stainless steel pipe, with pipe sizes tailored to meet the specific needs of each application. Whether the requirement is for a small diameter pipe for intricate systems or a large diameter pipe for major infrastructure, the product can be manufactured to exact specifications. This flexibility ensures that each client can acquire a piping solution that fits seamlessly into their existing setup without the need for extensive modifications. Lastly, the weldability of the cold rolled stainless steel pipe is excellent. The material is designed to facilitate easier welding, ensuring strong and reliable joints. This is particularly beneficial during installation, repairs, or modifications, where welding is often required to connect sections of pipe. The duplex stainless steel's lower thermal expansion rate and higher thermal conductivity compared to austenitic stainless steels result in less distortion and fewer welding issues such as warping or residual stress. In summary, the cold rolled stainless steel duplex pipe is an exceptional product that combines high strength, superior pressure rating,

and outstanding corrosion resistance with customization options and excellent weldability. It is a robust solution for industries demanding reliable and durable piping systems that can withstand the rigors of high-pressure, corrosive environments. Its versatility and performance make it the preferred choice for clients who demand nothing but the best in their industrial applications.

Features:

Product Name: stainless steel duplex pipe
Corrosion Resistance: High
Pipe Size: Customizable
Pressure Rating: High
Durability: Long-lasting
Weldability: Excellent
Keywords: cold rolled stainless steel pipe, cold rolled stainless steel pipe, cold rolled stainless steel pipe

Technical Parameters:

Attribute	Details
Pipe Size	Customizable
Pressure Rating	High
Corrosion Resistance	High
Wall Thickness	Customizable
Type	Duplex
Surface Finish	Polished, Pickling
Weldability	Excellent
Application	Oil And Gas, Chemical, Petrochemical, Power Generation, Etc.
Material	Stainless Steel
Durability	Long-lasting

Applications:

The HUADE model 31803 stainless steel duplex pipe is a product engineered in China that exemplifies excellence in both performance and versatility. Primarily known for its remarkable strength and durability, this cold rolled stainless steel pipe is designed to meet a myriad of application occasions and scenarios. The cold rolling process enhances the mechanical properties and surface finish of the steel, making the HUADE duplex pipe an ideal choice for industries that demand high strength and longevity.

With a minimum order quantity of 1000kg, these pipes are not only customizable in length to suit specific project requirements but also boast excellent weldability. This ensures that integration into existing systems is seamless and secure, making the HUADE 31803 model a preferred option for large-scale industrial applications. The superior weldability of these cold rolled stainless steel pipes also guarantees that they can be used in complex configurations where precision and reliability are paramount.

The HUADE duplex stainless steel pipe finds widespread use in the petrochemical industry, where it is utilized for transporting aggressive substances and in environments where corrosion resistance is critical. The high strength-to-weight ratio of cold rolled stainless steel pipes makes them perfect for the construction industry as well, especially in high-rise building frameworks and architectural structures where durability is essential. Additionally, the food and beverage industry benefits from using these pipes due to their resistance to corrosion and ease of cleaning, which is crucial for maintaining hygiene standards.

Marine applications are another area where the HUADE 31803 model excels. The saltwater environment demands materials that can withstand the harsh oceanic elements, and the cold rolled stainless steel pipe is up to the task, offering long-lasting performance in marine hardware, shipbuilding, and coastal facilities. For the energy sector, the ability of these pipes to handle high-pressure conditions makes them suitable for use in hydraulic systems, heat exchangers, and boilers.

In summary, the HUADE brand's commitment to providing high-quality, durable, and strong stainless steel duplex pipes is evident in the 31803 model. Whether for industrial, construction, marine, or energy-related applications, the cold rolled stainless steel pipe stands as a testament to the brand's dedication to excellence and customer satisfaction.

Customization:

Brand Name: HUADE
Model Number: 31803
Place of Origin: China
Minimum Order Quantity: 1000kg
Weldability: Excellent
Length: Customizable
Material: Stainless Steel
Wall Thickness: Customizable
Surface Finish: Polished, Pickling

Our HUADE cold rolled stainless steel pipe, specifically model 31803, offers superior quality and customization options. Originating from China, our stainless steel duplex pipes boast excellent weldability and a polished or pickling surface finish. With a minimum order quantity of 1000kg, clients can specify the desired length and wall thickness to meet their specific requirements, ensuring that each cold rolled stainless steel pipe is tailored to their project's needs.

FAQ:

Q1: What is the material composition of the HUADE Model Number 31803 stainless steel duplex pipe?

A1: The HUADE Model Number 31803 stainless steel duplex pipe is made of a duplex stainless steel alloy, which typically has a mixed microstructure of austenite and ferrite. The exact chemical composition includes elements such as chromium, nickel, molybdenum, and nitrogen, which contribute to the material's high strength and excellent corrosion resistance.

Q2: Can the HUADE stainless steel duplex pipe be used in high-temperature applications?

A2: Yes, the HUADE stainless steel duplex pipe is designed to withstand high temperatures. However, the maximum service temperature should be determined based on the specific conditions of the application, such as the presence of corrosive substances, pressure levels, and other environmental factors.

Q3: Is the HUADE stainless steel duplex pipe suitable for marine environments?

A3: Yes, due to its high resistance to corrosion, particularly to chloride-induced stress corrosion cracking, the HUADE stainless steel duplex pipe is well-suited for marine and other corrosive environments.

Q4: What is the minimum order quantity for the HUADE Model Number 31803 stainless steel duplex pipe?

A4: The minimum order quantity for the HUADE Model Number 31803 stainless steel duplex pipe is 1000kg.

Q5: How can I ensure the authenticity of the HUADE stainless steel duplex pipe?

A5: To ensure the authenticity of the HUADE stainless steel duplex pipe, you should purchase it from an authorized distributor or directly from the manufacturer. Additionally, you can request material test reports and certification that verifies the pipe's origin and material composition.



JIANGYIN HUACHANG STAINLESS STEEL PIPE CO.,LTD



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