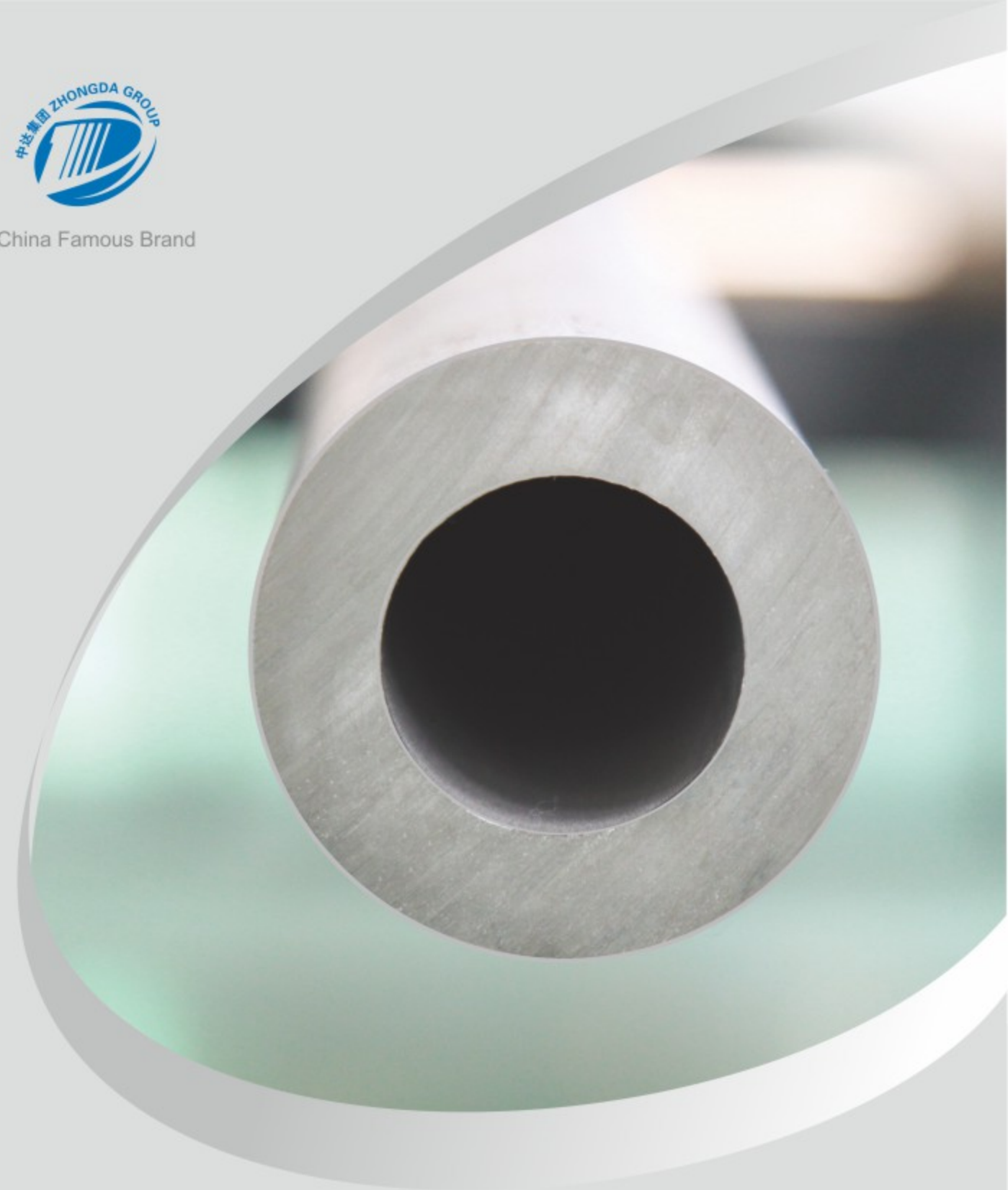




China Famous Brand



ZHONGDA - CHINA



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ZHONGDA SPECIAL STEEL Tubes / Pipes



EDITION 2018

ZHONGDA SPECIAL STEEL

At first, thanks to our worldwide clients:

Project Owner:

SINOPEC,
 CNPC,
 CNOOC,
 BP,
 SHELL,
 TOTAL,
 EXXONMOBIL,
 ENI SPA,
 PTT,
 PETRONAS,
 WOODSIDE,
 JAC,
 PETROBRAS,
 GASCO/ADNOC,
 KNPC,
 KOC,
 SIPCHEM,
 ARAMCO & SUMITOMO CHEMICAL,
 NIOC,
 OXY PETROLEUM,
 SASOL,
 SONATRACH,
 EGYPTIAN REFINING COMPANY,
 SURGUTNEFTEGAZ,
 ROSNEFT,
 DOW CHEMICAL,
 HMC POLYMERS,
 SHELL CHEMICAL,
 CELANESE,
 HANWHA,
 KAVEH METHANAL CO.,
 NATIONAL OILWELL VARCO,
 SOCAR TURCAS AEGEAN REFINERY,
 NORTH WEST REDWATER,
 ADCO,
 TAKREER,
 CHEVRON

EPC Client:

GS E&C,
 DOOSAN E&C,
 SAIPEM,
 CTCI,
 SK E&C,
 SAMSUNG ENGINEERING,
 DAELIM INDUSTRY,
 FOSTER WHEELER,
 FLUOR DANIEL,
 TECHNIP,
 UHDE,
 TECNICAS REUNIDAS,
 PETROFAC,
 AKER SOLUTIONS,
 JACOBS,
 RED MOUNTAIN ENERGY,
 WORLEYPARSONS,
 HYUNDAI HEAVY INDUSTRY,
 LINDE,
 CPECC,
 CB&I,
 MAIRE TECNIMONT,
 MODEC,
 CHIYODA,
 WUHUAN ENGINEERING,
 HYUNDAI E&C,
 HYUNDAI ENGINEERING



Duplex Stainless Steel



Austenitic Stainless Steel



Pressure Vessel Tubing



Super Duplex Stainless Steel



Ferritic Stainless Steel



Seamless Piping



Nickel Alloy Stainless Steel



Martensitic Stainless Steel



Instrumentation & Hydraulic Tubing



General Information of Company



Since established in 1992, as a manufacturer of stainless steel seamless tube & pipe, Zhongda has been obtaining the good experiences and results in producing the products and exporting to Heat Exchanger Fabricator, Air Cooler Fabricator, Boiler Fabricator, Pipe Fitting Factory, Engineering & Construction Company used in Petrochemical Industry, Chemical Industry, Refinery Industry, Off-shore Industry, Shipbuilding Industry, Power and Nuclear Power Plant and also participating in many projects in abroad for many years.

Our Quality Team has been studying to develop the techniques in order to supply the better products to our customers continuously. Furthermore, we are doing our best to meet their requirements with the newest facilities in our new workshop established exactly according to the requirements of Nuclear Power Industry and Military Industry.

Zhongda has been approved as a manufacturer of stainless steel seamless tube & pipe by Lloyds and TUV according to ISO9001, AD2000 W0 and PED. In addition, Zhongda has got the work approval of DNV, ABS, LR, BV, and API 5LC, all to guarantee quality products.

Zhongda is ready to get any advice and instruction from you and cooperate with you for the good service to you.

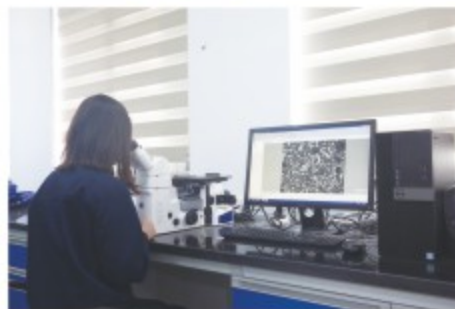


Quality Control

All Zhongda's tubes and pipes are tested by an independent division according to the specific Manufacture and Test Plans approved by clients. The tests are as follows.

*Non-destructive Tests:

- Eddy Current Test
- Ultrasonic Test
- Hydrostatic Test
- PMI Test
- Endoscope Test
- Dimension Inspection
- Surface Inspection
- PT Test



*Destructive Tests:

- Metallographic Examination
- Intergranular Corrosion Test
- Mechanical Property Test
 - Tensile Test
 - Flattening Test
 - Firing Test
 - Bending Test
 - Impact Test
 - Hardness Test
 - Hot Tensile Test



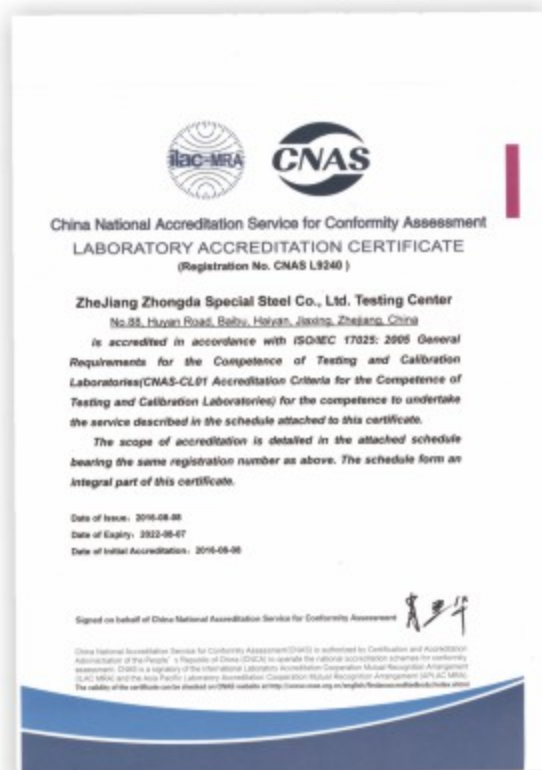
Certificates

Certificate of ISO System

Issued Association	Certificate	Scope	Current Expiry Date
Lloyds	ISO9001:2015	Manufacture of seamless stainless steel tubes and pipes. Size ranging 6mm-508mm O.D. x 0.5mm-40mm W.T. for pressure purposes.	05 August, 2020

Certificate of Class

Issued Association	Certificate	Scope	Current Expiry Date
Lloyds	QAC0041071/A	Manufacture of seamless stainless steel tubes and pipes. Size ranging 6mm-508mm O.D. x 0.5 mm-40mm W.T. for pressure purposes.	05 August, 2020
TUV Nord	AD 2000-Merkblatt W0	Seamless tubes of austenitic steels	April, 2019
BV	BV Shipping-Class	Manufacture of seamless stainless steel tubes and pipes	26 November, 2020
DNV	DNV Shipping-Class	Seamless pipes and tubes in Austenitic stainless steel, 22Cr duplex stainless, 25Cr duplex stainless	30 June, 2018
ABS	ABS Shipping-Class	Stainless Steel Pipe	22 September, 2021
Lloyd	Lloyd Shipping-Class	Seamless pipes and tubes in Austenitic stainless steel	05 October, 2018
API 5LC	American Petroleum Institute	Manufacturer of CRA Line Pipe, License Number: 5LC-0034	06 March, 2018
IQNET/CQM	ISO 14001:2015	Manufacture of seamless stainless steel tubes and pipes	13 December, 2020
IQNET/CQM	OHSAS 18001:2007	Manufacture of seamless stainless steel tubes and pipes	13 December, 2020



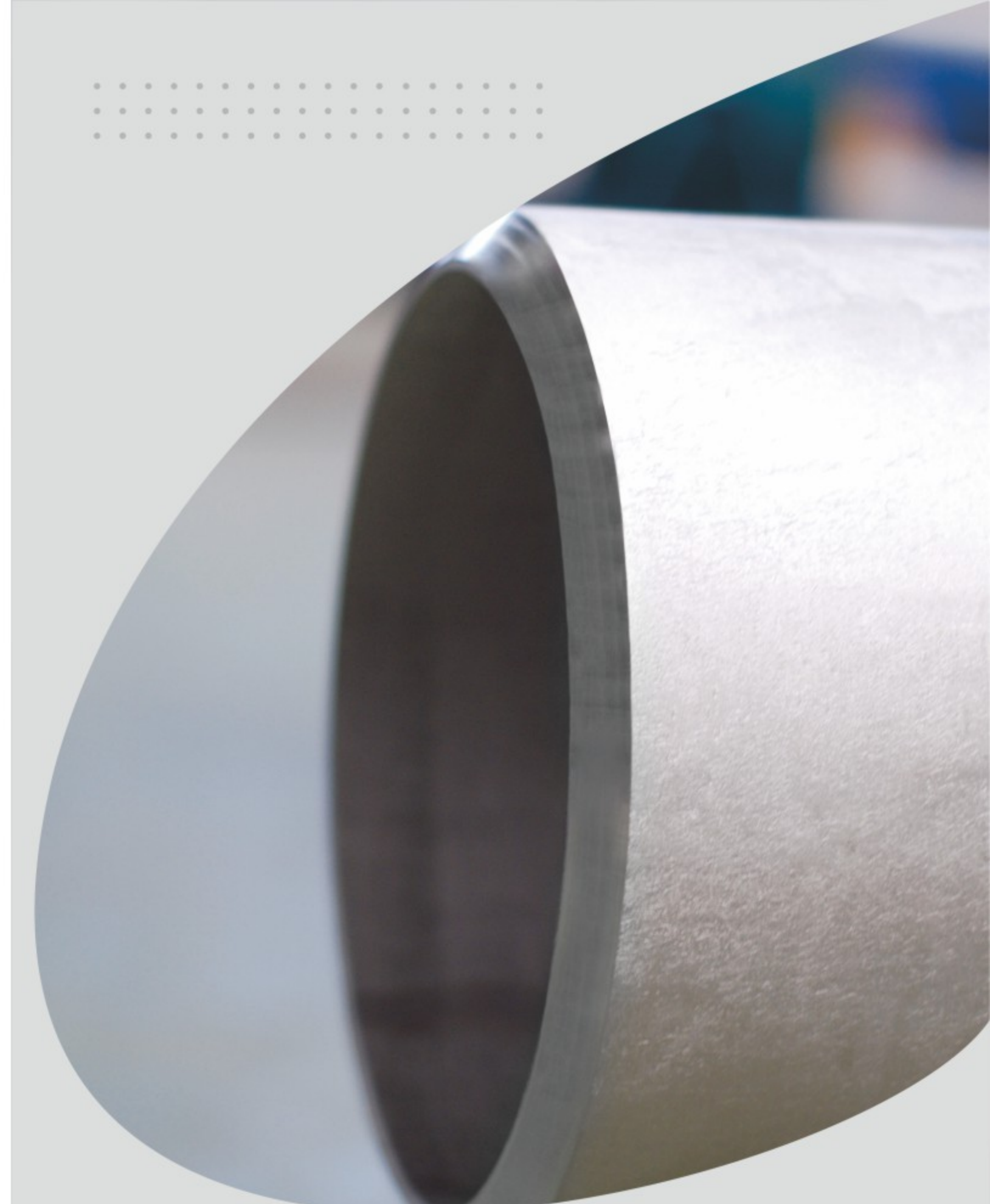
General Information of Product

Experienced list of Steel Grade and Applicable Specification

Experienced Lists of Standard	Applicable Code No.	Steel Grade
ASTM	A213, A269, A268, A312, A376, A789, A790, B407, B423, B163, B444, B165, B167, B729	TP304/L/H/N, TP310/S/H, TP316/L/H/Ti, TP317/L, TP321/H, TP347/H, TP405, TP410/S, TP430, TP904L, S31254, S31803, S32205, S32707, S32750, S32760, S32304, S31500, N04400, N06600, N06625, N08020, N08028, N08800, N08810, N08811, N08825
ASME	SA213, SA268, SA312, SA376, SA789, SA790, SB407, SB423, SB163, SB444	TP304/L/H/N, TP310/S/H, TP316/L/H/Ti, TP317/L, TP321/H, TP347/H, TP405, TP410/S, TP430, TP904L, S31254, S31803, S32205, S32707, S32750, S32760, S32304, S31500, N04400, N06600, N06625, N08020, N08028, N08800, N08810, N08811, N08825
JIS	JIS G3459, JIS G3463	SUS304TB, SUS304HTB, SUS304LTB, SUS310TB, SUS310STB, SUS316TB, SUS31B, SUS316LT6TiTB, SUS317TB, SUS317LTB, SUS321TB, SUS321HTB, SUS347TB, SUS347HTB
EN & DIN	EN 10216-5, DIN 17456, DIN 17458	1.4301, 1.4307, 1.4541, 1.4401, 1.4404, 1.4571, 1.4429, 1.4436, 1.4435, 1.4462, 1.4424, 1.4507

Size Range

Type	O.D.	W.T.	Length	Bending Radius	Application Specification
S.S Seamless Tube	6.0mm - 152.4mm	0.5mm - 25.4mm	Max. 25 meters	/	A/SA213, A/SA268, A269, A/SA789, B/SB163, B/SB167, B/SB444, B/SB729, JIS G3463, EN 10216-5
S.S. Seamless Pipe	10.29mm - 609.6mm	0.89mm - 45.0mm	Max. 17 meters	/	A/SA312, A/SA790, B/SB165, B/SB167, B/SB407, B/SB423, B/SB444, B/SB729, JIS G3459, EN 10216-5
S.S. Seamless U-tube	15.88mm - 38.1mm	1.24mm - 3.40mm	Max. 25 meters	1.5 x OD minimum	A/SA213, A/SA268, A/SA789, B/SB163, B/SB167, B/SB444, B/SB729, JIS G3463, EN 10216-5, SA688



Main Production

1, Seamless Piping

Specification:
 ASTM A312 (ASME SA312): Specification for Seamless, Welded, and Heavily Cold Worked Austenitic Stainless Steel Pipes

ASTM A790 (ASME SA790): Specification for Seamless and Welded Ferritic/Austenitic Stainless Steel Pipes

ASTM B423(ASME SB423): Specification for Nickel-Iron-Chromium-Molybdenum-Copper Alloy(UNS N08825 and N08221) Seamless Pipe and Tube

ASTM B407(ASME SB407): Specification for Nickel-Iron-Chromium Alloy Seamless Pipe and Tube

The specifications of ASTM B165(ASME SB165), ASTM B167(ASME SB167), ASTM B444(ASME SB444),ASTM B729(ASME SB729),JIS G3459, EN 10216-5, DIN17456, DIN17458 are available.



2, Boiler Tubing and Piping

Grade: 304H, 310H, 316H, 321H, 347H, 347HFG

Specification:
 ASME SA213: Standard Specification for Seamless Ferritic and Austenitic Alloy-Steel Boiler, Superheater, and Heat-Exchanger Tubes

The specifications of ASME SA312, JIS G3459, EN 10216-5, DIN 17456, DIN 17458 are available.

3, Pressure Vessel Tubing

- 1), Heat Exchanger Tubing (Straight and U tubing)
- 2), Air Cooler Tubing
- 3), Condenser Tubing
- 4), Evaporator Tubing

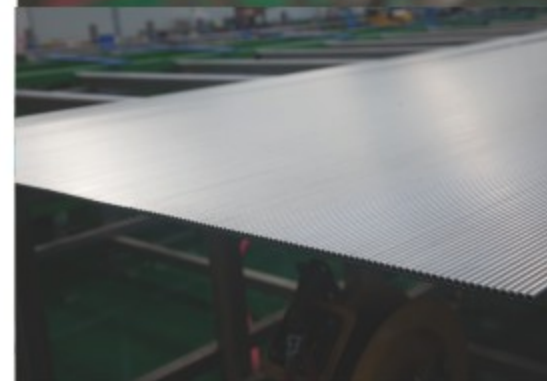
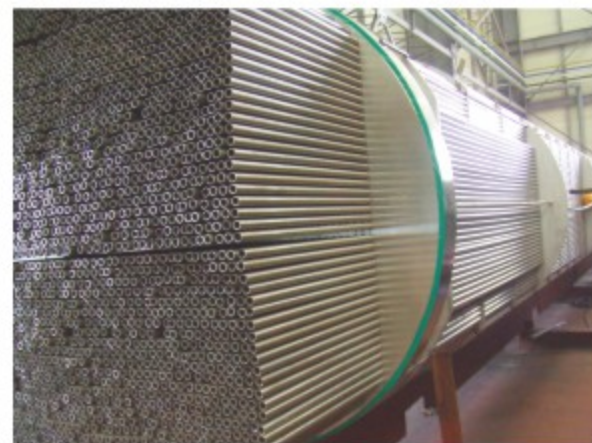
Specification:
 ASTM A213 (ASME SA213): Specification for Seamless Ferritic and Austenitic Alloy-Steel Boiler, Superheater, and Heat-Exchanger Tubes

ASTM A789 (ASME SA789): Specification for Seamless and Welded Ferritic/Austenitic Stainless Steel Tubing for General Service

ASTM A268(ASME SA268): Specification for Seamless and Welded Ferritic and Martensitic Stainless Steel Tubing for General Service

Final Finishing: Solution Annealed & Pickled, Bright Annealed

The specifications of ASTM B163(ASME SB163), ASTM B167(ASME SB167), ASTM B444(ASME SB444), ASTM B729(ASME SB729), JIS G3463, EN10216-5 are available.



4, Duplex & Super Duplex Stainless Steel Tube & Pipe

Grade Available: UNS S31803, UNS S32205, UNS S31500, UNS S32304, UNS S32750, UNS S32760, UNS S32707

Specification:
 ASTM A789 (ASME SA789): Specification for Seamless and Welded Ferritic / Austenitic Stainless Steel Tubing for General Service

ASTM A790 (ASME SA790): Specification for Seamless and Welded Ferritic / Austenitic Stainless Steel Pipe

The specification of EN 10216-5 is available.

5, Instrumentation Tubing & Hydraulic Tubing

Specification:
 ASTM A269: Standard Specification for Seamless and Welded Austenitic Stainless Steel Tubing for General Service

ASTM A213 (ASME SA213): Specification for Seamless Ferritic and Austenitic Alloy-Steel Boiler, Superheater, and Heat-Exchanger Tubes

Final Finishing:
 Solution Annealed & Pickled, Bright Annealed, OD Polished

The specification of EN 10216-5 is available.

6, Pipes for Producing Pipe Fittings

Specification:
 ASTM A312 (ASME SA312): Specification for Seamless, Welded, and Heavily Cold Worked Austenitic Stainless Steel Pipes

ASTM A790 (ASME SA790): Specification for Seamless and Welded Ferritic/Austenitic Stainless Steel Pipe

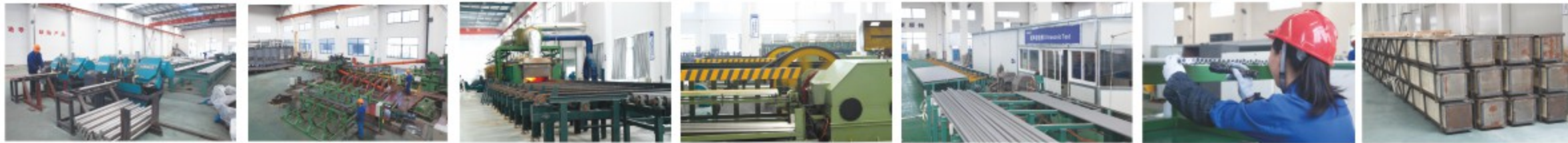
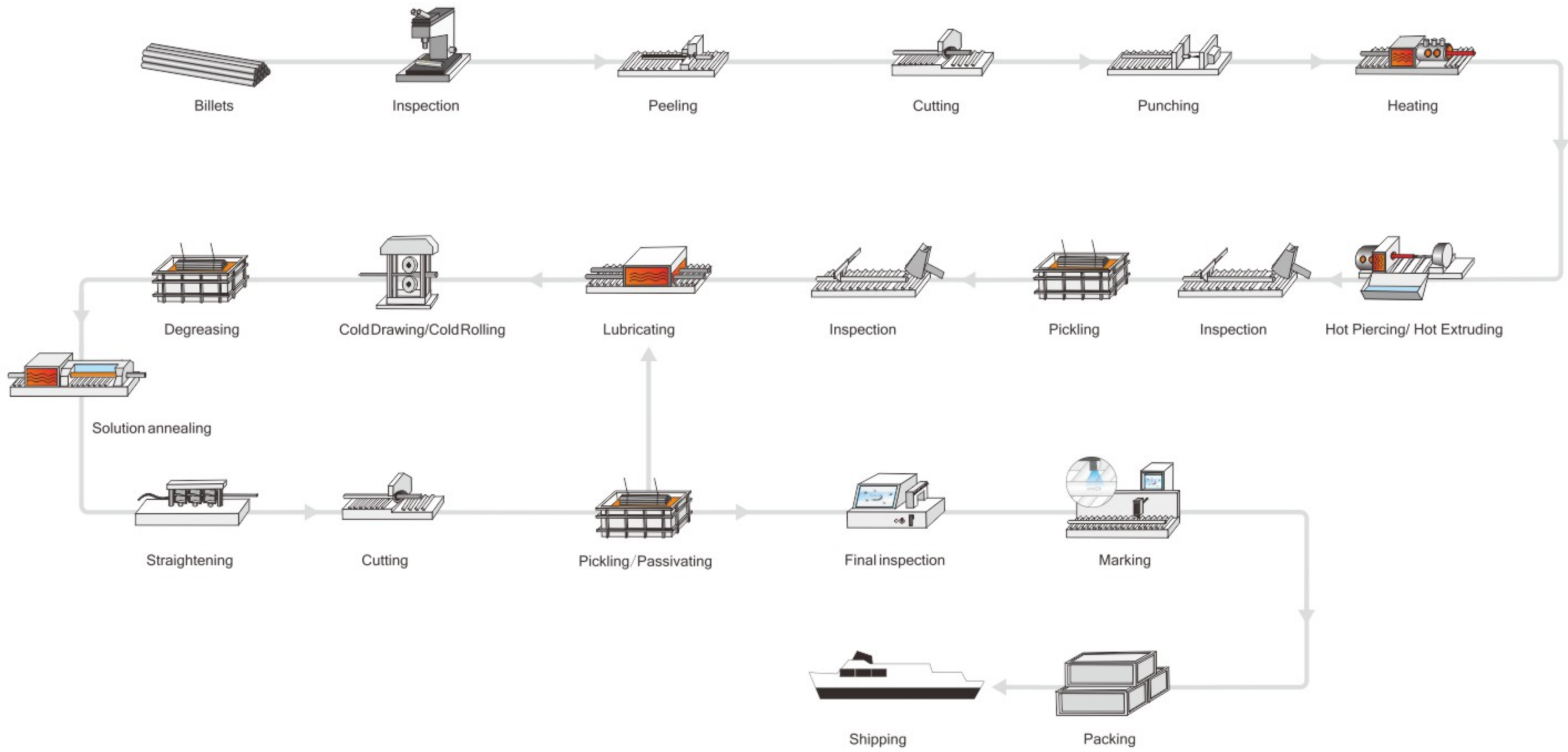
ASTM B423(ASME SB423): Specification for Nickel-Iron-Chromium-Molybdenum-Copper Alloy(UNS N08825 and N08221) Seamless Pipe and Tube

ASTM B407(ASME SB407): Specification for Nickel-Iron-Chromium Alloy Seamless Pipe and Tube

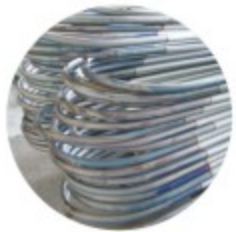
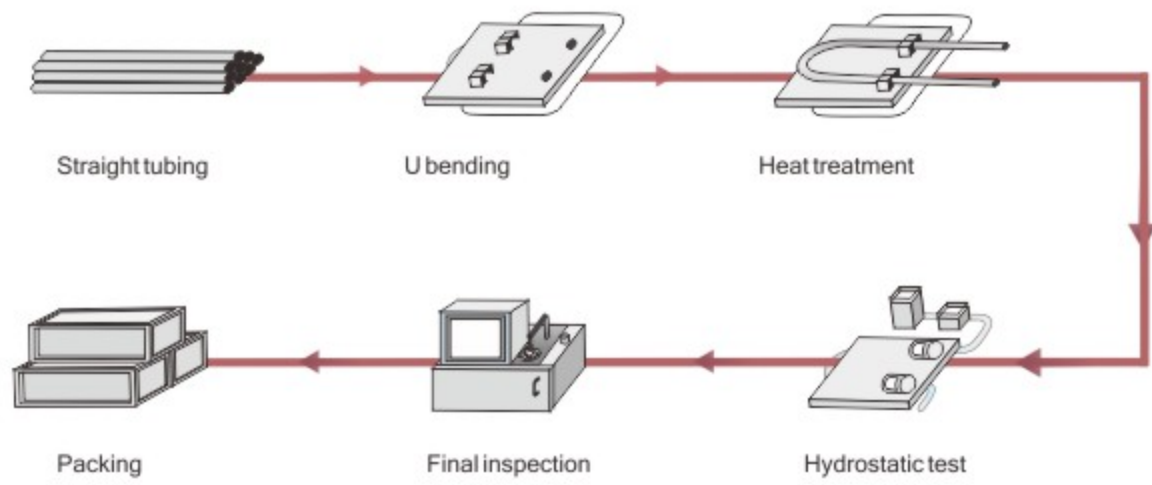
The specifications of ASTM B165(ASME SB165), ASTM B167(ASME SB167), ASTM B444(ASME SB444), ASTM B729(ASME SB729), JIS G3459, EN 10216-5, are available.



Process of Seamless Stainless Steel Pipes/Tubes



Process of U Tubing



- Petro-Chemical
- Oil & Gas
- Heat Exchanger
- Chemical
- Pulp & Paper
- Ship Building
- Instrumentation & Hydraulic System
- Offshore Platform
- FPSO
- Seawater Desalination
- Electric Power Station

