



**RELIABLE SUPPLY.
PROVEN PERFORMANCE.**

STAINLESS STEEL PIPES & TUBES FOR CRITICAL INDUSTRIES

USA-Based Supplier of Stainless Steel Seamless, Welded, Precision, Heat-Exchanger, Hydraulic, Instrumentation, Finned Tube, Coil Tube and U-Tube Solutions



A USA-BASED SOURCE FOR INDUSTRIAL PIPE & TUBE SOLUTIONS

Stainless-steel pipes and tubes are essential to industrial systems that require dependable flow control, heat transfer, pressure integrity, corrosion resistance and dimensional accuracy.

USA Piping Solution LLC is a USA-based sourcing and supply partner for stainless-steel seamless pipes, welded pipes, precision tubes, heat-exchanger tubes, hydraulic and instrumentation tubes, LSAW pipes and custom U-tubes.

We support industrial buyers through access to qualified manufacturing sources, technical product coordination, material-grade selection, inspection planning, documentation control and dependable delivery support.

Our supply approach is built around responsive communication and accurate requirement matching. We coordinate the correct outside diameter, wall thickness, length, manufacturing route, material grade, heat treatment, surface condition, testing level and documentation package for every order.



VISION

To become a preferred USA-based sourcing partner for industrial stainless-steel piping products through dependable supply, technical understanding and responsive customer service.



MISSION

- Build long-term partnerships with customers and approved sources
- Provide clear and technically accurate quotation support
- Coordinate sourcing, inspection, documentation and delivery
- Support standard and project-specific requirements
- Assist customers from enquiry through final delivery



QUALITY

QUALITY MUST BE VERIFIED AT EVERY STAGE

Products are sourced through qualified manufacturing sources and reviewed against applicable ASTM, ASME, EN, DIN and project-specific requirements. Depending on the order, documentation may include Material Test Certificates, chemical and mechanical test reports, dimensional inspection records, PMI reports, NDT reports and third-party inspection documentation.

STAINLESS STEEL PIPE & TUBE PRODUCT PROGRAM



01 — High-Precision and Heat-Exchanger Tubes

Outside diameter: 0.3 mm to 101.60 mm
Wall thickness: 0.70 mm to 8.00 mm
Length: up to 24 metres
Custom U-tubes: developed length up to 36 metres

02 — Hydraulic, Instrumentation and Micro Tubes

Outside diameter: 0.3 mm to 76 mm
Wall thickness: 0.50 mm to 8.00 mm
Length: up to 24 metres

03 — Seamless Stainless Steel Pipes

Nominal size: 1/8-inch NB to 12-inch NB
Wall thickness: Schedule 5S to Schedule XXS
Length: up to 24 metres
Specifications: ASTM A312, ASTM A790 and ASTM A813

04 — Welded Stainless Steel Pipes

Nominal size: 1/8-inch NB to 20-inch NB
Wall thickness: Schedule 5S to Schedule 80S
Length: up to 24 metres
Specifications: ASTM A312, A554, A778 and A790

05 — Stainless Steel LSAW Pipes

Nominal size: 8-inch NB to 56-inch NB
Wall thickness: 4.00 mm to 50.00 mm
Length: up to 12 metres
Specifications: ASTM A358, A409, A778 and A928

06 — Custom U-Tubes

Produced according to customer drawings, dimensional requirements, material specifications and developed-length requirements.

07 — Finned Tubes & Coil Tubes

Coil tube - 50 mtr Length
Finned tube - as per custom requirement

Supply Conditions

Solution annealed
Pickled and passivated
Bright annealed
Polished where applicable
Other agreed conditions subject to specification

Applications

Heat exchangers, condensers, pressure vessels, refineries, chemical processing, oil and gas, power generation, nuclear, pharmaceutical, food processing, automotive, aerospace, marine and general engineering.

STAINLESS STEEL HIGH-PRECISION & HEAT-EXCHANGER TUBES

CONTROLLED DIMENSIONS. RELIABLE PERFORMANCE.

PRODUCT RANGE

- Outside diameter: 0.3 mm to 101.60 mm
- Wall thickness: 0.70 mm to 8.00 mm
- Straight length: as required, up to 24 metres
- U-tubes: as per customer drawing, developed length up to 36 metres

GRADES

304, 304L, 304H, 304LN, 316, 316L, 316H, 316LN, 316Ti, 309, 310, 310L, 310H, 310S, 317, 317L, 317H, 321, 321H, 347, 347H, 405, 409, 409L, 410, 430, 430Ti, 436, 439 and 904L

EN / DIN GRADES

1.4301, 1.4306, 1.4307, 1.4401, 1.4404, 1.4541 and 1.4571

DUPLEX AND SUPER-DUPLEX

UNS S31500, UNS S31803, UNS S32205, UNS S32750 and UNS S32760

SEAMLESS SPECIFICATIONS

ASTM A213, ASTM A268, ASTM A269, ASTM A270, ASTM A789 and EN 10216-5

WELDED SPECIFICATIONS

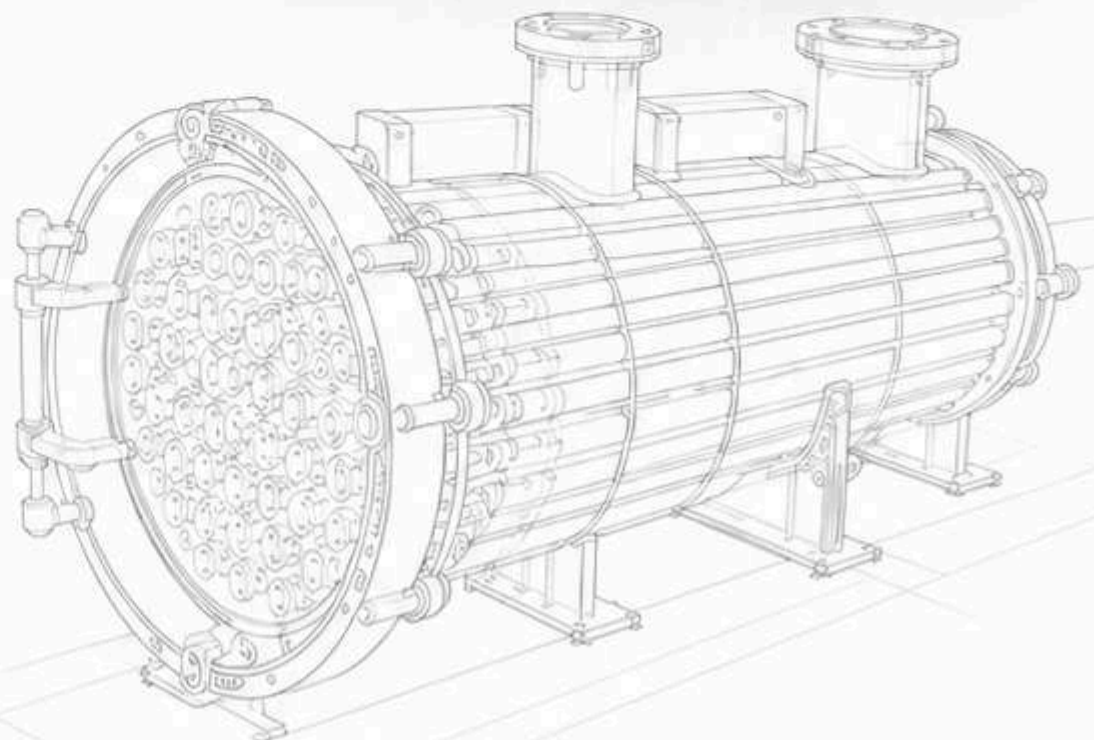
ASTM A249, ASTM A268, ASTM A269, ASTM A270, ASTM A554, ASTM A688, ASTM A789, ASTM A803 and EN 10217-7

SUPPLY CONDITION

Solution annealed, pickled and passivated, or bright annealed

APPLICATIONS

Heat exchangers, pressure vessels, chemical and fertilizer plants, marine equipment, refineries, petrochemical plants, process industries, dairy, pharmaceuticals, nuclear power, power generation, automotive and aerospace.



Grade and dimensional availability is subject to specification, manufacturing route and source capability.

STAINLESS STEEL HYDRAULIC, INSTRUMENTATION, AND MICROTUBES

PRECISION FLOW CONTROL

PRODUCT RANGE

- Outside diameter: 0.3 mm to 76 mm
- Wall thickness: 0.50 mm to 8.00 mm
- Length: as required, up to 24 metres
- Supply form: straight lengths; project-specific forms subject to requirement

COMPLETE GRADE RANGE

304, 304L, 304H, 304LN, 316, 316L, 316H, 316LN, 316Ti, 317, 317L, 317H, 321, 321H, 347, 347H, 405, 409, 409L, 410, 430, 430Ti, 436, 439 and 904L

UNS S31500, UNS S31803, UNS S32205, UNS S32750 and UNS S32760

EN grades 1.4301, 1.4306, 1.4307, 1.4401, 1.4404, 1.4541 and 1.4571

SPECIFICATIONS

- ASTM A213
- ASTM A269
- ASTM A789
- EN 10216-5
- Other ASTM, ASME, DIN, JIS and EN requirements subject to availability

SUPPLY CONDITION

- Solution annealed
- Pickled and passivated
- Bright annealed
- Polished where required
- Other approved conditions subject to specification

APPLICATIONS

- Nuclear and thermal power generation
- Oil and gas
- Process industries
- Chemical and fertilizer plants
- Food and beverage processing
- Automotive systems
- Aerospace systems
- Medical and pharmaceutical facilities
- Hydraulic control systems
- Instrumentation lines



Engineered for accuracy, consistency and dependable performance



Smooth internal surface for controlled flow



Dimensional control for critical systems



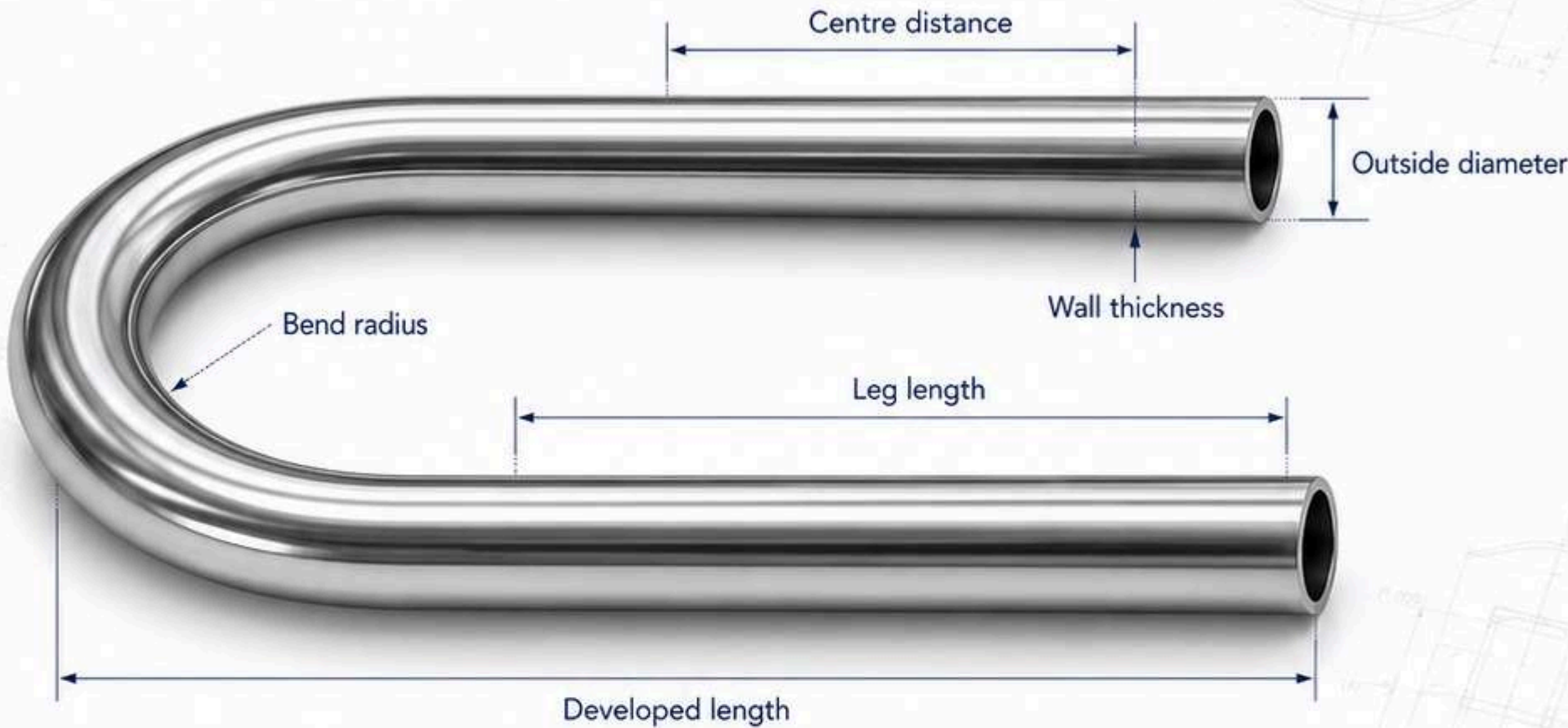
Reliable corrosion resistance in demanding environments



CUSTOM STAINLESS STEEL U-TUBES



ENGINEERED FOR HEAT-TRANSFER SYSTEMS



PRODUCT DETAILS

- Manufacturing route:** Seamless or welded stainless-steel tubes, subject to material specification and approved manufacturing-source capability.
- Outside-diameter range:** 6 mm to 101.60 mm
- Wall-thickness range:** 0.70 mm to 8.00 mm
- Developed length:** Up to 36 metres, subject to tube dimensions, manufacturing feasibility and source capability.
- Configuration:** Produced according to customer drawings and dimensional requirements.

GRADES

- 304, 304L, 304H, 304LN, 316, 316L, 316H, 316LN, 316Ti, 309, 310, 310L, 310H, 310S, 317, 317L, 317H, 321, 321H, 347, 347H, 405, 409, 409L, 410, 430, 430Ti, 436 and 439
- 1.4301, 1.4306, 1.4307, 1.4401, 1.4404, 1.4541 and 1.4571
- UNS S31500, UNS S31803, UNS S32205, UNS S32750 and UNS S32760

SPECIFICATIONS

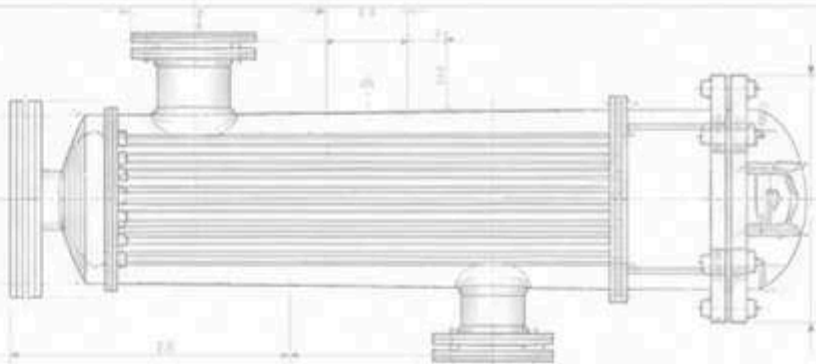
- ASTM A213
- ASTM A249
- ASTM A268
- ASTM A269
- ASTM A270
- ASTM A688
- ASTM A789
- ASTM A803
- EN 10216-5
- EN 10217-7

REQUIRED ORDER INFORMATION

- Material grade
- Applicable specification
- Tube outside diameter
- Wall thickness
- Straight leg length
- Developed length
- Centre-to-centre distance
- Bend radius
- Number of U-tubes
- Heat-treatment condition
- Surface condition
- Testing requirements
- Inspection requirements
- Packing requirements
- Documentation requirements

APPLICATIONS

Shell-and-tube heat exchangers, condensers, feedwater heaters, pressure vessels, refineries, chemical plants, petrochemical plants, fertilizer plants, power generation, pulp and paper, food processing and pharmaceutical processing.



STAINLESS STEEL LSAW PIPES

PRODUCT RANGE

- Nominal size: 8-inch NB to 56-inch NB
- Wall thickness: 4.00 mm to 50.00 mm
- Length: as required, up to 12 metres

GRADES

304, 304L, 304H, 304LN, 316, 316L, 316H, 316LN, 316Ti, 309, 310, 310L, 310H, 310S, 317, 317L, 317H, 321, 321H, 347, 347H and 904L

UNS S31500, UNS S31803, UNS S32205, UNS S32750 and UNS S32760

SPECIFICATIONS

- ASTM A358
- ASTM A409
- ASTM A778
- ASTM A928

SUPPLY CONDITION

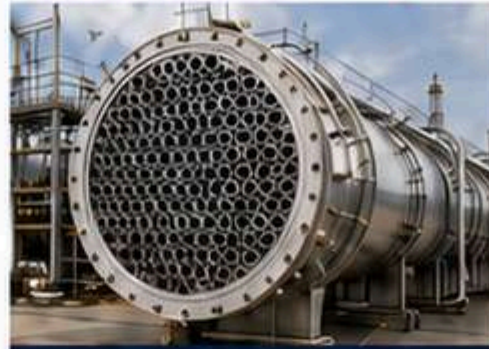
Solution annealed, pickled and passivated

APPLICATIONS

Onshore and offshore oil and gas production, exploration and transportation, chemical and petrochemical plants, power generation, mechanical and plant engineering, water supply and wastewater management systems.



APPLICATIONS



Heat Exchangers



Refineries



Power Plants



Pharmaceuticals



Oil & Gas



Chemical Processing



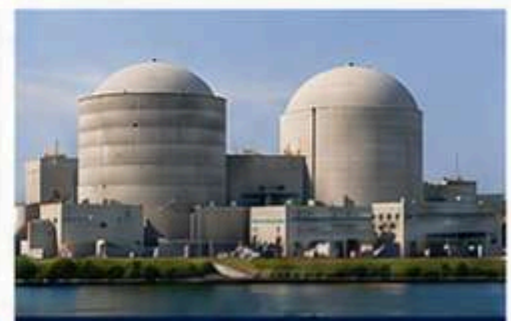
Aerospace



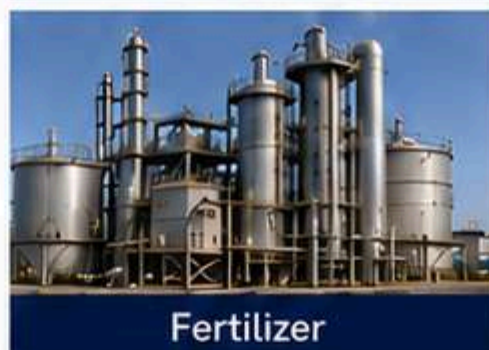
Automotive



Food Processing



Nuclear



Fertilizer



Engineering

QUALITY ASSURANCE & PIPE-TUBE INSPECTION



TESTING, TRACEABILITY & DOCUMENTATION



1. DIMENSIONAL INSPECTION
with Digital Caliper



2. ULTRASONIC TESTING



3. PMI TESTING



4. TENSILE TESTING



NON-DESTRUCTIVE TESTING



Eddy Current Testing — Detection of surface and near-surface discontinuities



Liquid Penetrant Testing — Detection of surface-breaking discontinuities



Visual and Dimensional Inspection — Verification of dimensions, wall thickness, straightness, finish and conformity



Hydrostatic Testing — Verification of pressure integrity and leak tightness



Pneumatic Testing — Leak testing with air or gas where permitted



Real-Time Radiography — Examination of welded seams for internal discontinuities



Automatic Ultrasonic Testing — Detection of surface and subsurface discontinuities



Remote Visual Inspection — Internal examination using borescopic equipment



Ferrite Testing — Measurement of ferrite content in weld areas



Positive Material Identification — Verification of alloy chemistry



DESTRUCTIVE TESTING



Impact testing



Tensile testing, including proof load, UTS and elongation



Chemical testing and product analysis



Rockwell and superficial hardness testing



Flattening and reverse-flattening testing



Guided-bend and reverse-bend testing



Flaring and flange testing



Micro and macro examination



Intergranular corrosion testing in accordance with applicable ASTM practices



DOCUMENTATION SUPPORT



Material Test Certificates



Chemical and mechanical test reports



Dimensional inspection reports



PMI and ferrite reports



NDT reports



Hydrostatic or pneumatic test reports



Heat-number traceability



Inspection release notes



Packing and marking records



Project-compliance documentation



Third-party inspection documentation



Testing and documentation are coordinated through qualified manufacturing sources, laboratories and third-party inspection agencies according to the purchase order and approved project requirements.

STAINLESS STEEL GRADE COMPARISON

INTERNATIONAL MATERIAL EQUIVALENCE REFERENCE



AUSTENITIC STAINLESS STEEL GRADES (Part 1)

Type of Material	USA AISI	France AFNOR	Germany DIN 17006	Germany W.N. 17007	Italy UNI	Japan JIS	Russia GOST	Spain UNE	Sweden SIS	UK BSI	European Union EURONORM	
201	2C01 17-07	–	1.4372	S05 201	–	SUS201	–	–	1.4372	S05 201	–	–
301	Z 10 CN 18-09	Z 12 CN 17-07	1.4310	–	–	–	SUS301	12X18H9T	X 12 CrNi 17-07	23 31	301S21	X 12 CrNi 17 7
302	Z 10 CN 18-09	Z 10 CN 17-07	1.4319	–	–	–	SUS302	12X18H9	X 10 CrNi 18-09	23 31	302S25	X 10 CrNi 18 9
303	Z 10 CNF 18-09	X 10 CrNiS 18 9	1.4305	–	–	–	SUS303	–	X 10 CrNiS 18-09	23 46	303S21	X 10 CrNiS 18 9
304	Z 6 CN 18-09	X 5 CrNi 18 10	1.4301	–	–	–	SUS304	08X18H10	X 6 CrNi 19-10	23 32	304S15	X 6 CrNi 18 10
304N	–	–	–	–	X 5 CrNiN 1810	–	SUS 304N1	–	–	–	–	–
304H	–	–	–	–	X 8 CrNi 1910	–	SUS F 304H	–	X 6 CrNi 19-10	–	–	–
304L	Z 2 CN 18-10	X 2 CrNi 18 11	1.4306	–	X 2 CrNi 1911	–	SUS 304L	03X18H11	X 2 CrNi 19-10	23 52	304S11	X 3 CrNi 18 10
304LN	Z 2 CN 18-10-Az	X 2 CrNiN 18 10	1.4311	–	X 2 CrNiN 1811	–	SUS 304LN	–	–	23 71	–	–
305	Z 8 CN 18-12	–	–	–	X 8 CrNi 1812	–	SUS 305	–	X 8 CrNi 18-12	23 33	305S19	X 8 CrNi 18 12
309	Z 15 CN 24-13	X 15 CrNiS 20 12	1.4828	–	X 15 CrNi 2314	–	SUH 309	–	–	–	309S24	X 15 CrNi 23 13
309S	–	–	–	–	X 6 CrNi 2314	–	SUS 309S	20XH23N18	–	–	–	X 6 CrNi 22 13
310	–	X 12 CrNi 25 21	1.4845	–	X 22 CrNi 2520	–	SUH 310	10XH23N18	–	–	310S24	–
310S	Z 12 CN 25-20	X 12 CrNi 25 20	1.4842	–	X 5 CrNi 2520	–	SUS 310S	20XH25N20S2	–	23 61	–	X 6 CrNi 25 20
314	Z 12 CNS 25-20	X 15 CrNiSi 25 20	1.4841	–	X 16 CrNiSi 2520	–	–	–	–	–	–	X 15 CrNiSi 25 20
316	Z 6 CND 17-11	X 5 CrNiMo 17 12 2	1.4401	–	X 5 CrNiMo 1712	–	SUS 316	–	X 6 CrNiMo 17-12-03	23 47	316S31	X 6 CrNiMo 17 12 2
316H	–	–	–	–	X 8 CrNiMo 1713	–	–	03XH17N14M2	X 6 CrNiMo 17-12-03	–	–	–
316L	Z 2 CND 17-12	X 2 CrNiMo 17 13 2	1.4404	–	X 2 CrNiMo 1713	–	SUS 316L	–	X 2 CrNiMo 17-12-03	23 48	316S11	X 3 CrNiMo 17 12 2
316L	Z 2 CND 17-13	X 2 CrNiMo 18 14 3	1.4435	–	X 2 CrNiMo 1713	–	–	–	X 2 CrNiMo 17-12-03	23 53	316S13	X 3 CrNiMo 17 13 3
316LN	Z 2 CND 17-12-Az	X 2 CrNiMoN 17 12 2	1.4406	–	X 2 CrNiMoN 1712	–	SUS 316LN	03XH16N15M3	–	–	–	–

AUSTENITIC STAINLESS STEEL GRADES (Part 2) AND OTHER STAINLESS STEEL GRADES

Type of Material	USA AISI	France AFNOR	Germany DIN 17006	Germany W.N. 17007	Italy UNI	Japan JIS	Russia GOST	Spain UNE	Sweden SIS	UK BSI	European Union EURONORM	
AUSTENITIC GRADES	316Ti	Z 6 CNDT 17-12	X 6 CrNiMoTi 17 12 2	1.4571	–	X 6 CrNiMoTi 1712	–	08XH17N13M2T	X 6 CrNiMoTi 17-12-03	23 50	320S31	X 6 CrNiMoTi 17 12 2
	317	–	–	–	–	X 5 CrNiMo 1815	SUS 317	10XH17N13M2T	17-12-03	23 66	317S16	–
	317L	Z 2 CND 19-15	X 2 CrNiMo 18 16 4	1.4438	–	X 2 CrNiMo 1815	SUS 317L	–	–	23 67	317S12	X 3 CrNiMo 18 16 4
	330	Z 12NCS 35-16	X 12 NiCrSi 36 16	1.4864	–	–	SUH 330	08XH18N10T	–	–	–	–
	321	Z 6 CNT 18-10	X 6 CrNiTi 18 10 X 12 CrNiTi 18 9	1.4541	–	X 6 CrNiTi 1811	SUS 321	12XH18N10T	X 6 CrNiTi 18-11	23 37	321S31	X 6 CrNiTi 18 10
	329	–	X 8 CrNiMo 27 5	1.4460	–	–	SUS 329J1	–	–	23 24	–	–
	347	Z 6 CNNb 18-10	X 6 CrNiNb 18 10	1.4550	–	X 6 CrNiNb 1811	SUS 347	–	X 6 CrNiNb 18-11	23 38	347S31	X 6 CrNiNb 18 10
	347H	–	–	–	–	X 8 CrNiNb 1811	SUS F 347H	–	X 7 CrNiNb 18-11	–	–	–
DUPLEX & SUPER DUPLEX GRADES	UNS31803	–	X 2 CrNiMoN 22 5	1.4462	–	–	–	–	–	–	–	–
	UNS32760	Z 3 CND 25-06Az	X 3 CrNiMoN 25 7	1.4501	–	–	12Kh13	–	–	–	–	–
MARTENSITIC AND FERRITIC GRADES	403	Z 12 C 13	X 6 C 13 X 10 Cr 13 X 15 Cr 13	1.4000 1.4006 1.4024	–	X 12 Cr 13	SUS 403	–	X 6 Cr 13	23 02	403S17	X 10 Cr 13 X 12 Cr 13
	405	Z 6 CA 13	X 6 CrAl 13	1.4002	–	X 6 CrAl 13	SUS 405	–	X 6 CrAl 13	–	405S17	X 6 CrAl 13
	409	Z 6 CT 12	X 6 CrTi 12	1.4512	–	X 6 CrTi 12	SUH 409	–	–	–	409S19	X 5 CrTi 12
	410	Z 10 C 13 Z 12 C 13	X 6 Cr 13 X 10 Cr 13 X 15 Cr 13	1.4000 1.4006 1.4024	–	X 12 Cr 13	SUS 410	08Kh13	X 12 Cr 13	23 02	410S21	X 12 Cr 13
	410S	Z 6 C 13	X 6 Cr 13	1.4000	–	X 6 Cr 13	SUS 410S	–	–	23 01	403S17	X 6 Cr 13



Grade equivalencies are provided for general reference. Material selection must be verified against the latest applicable standard, project specification and purchase-order requirements.

CHEMICAL COMPOSITION OF STAINLESS STEEL PIPE & TUBE GRADES



MATERIAL REFERENCE DATA

ASTM Grade	UNS Grade	DIN / EN Grade	Steel Name	JIS Grade	C	Mn	P	S	Si	Cr	Ni	Mo	N	Nb	Ti	Cu	Ti	Al	W	B
AUSTENITIC STAINLESS STEEL																				
TP 304	S30400	1.4301	X2CrNi18-10	-	0.080	2.00	0.045	0.030	1.00	18.0-20.0	8.00-11.0	-	-	-	-	-	-	-	-	-
TP 304L	S30403	-	-	SUS304TB	0.070	2.00	0.040	0.015	1.00	17.0-19.5	8.00-10.5	-	0.10 Max	-	-	-	-	-	-	-
-	-	1.4307	X2CrNi18 9	-	0.080	2.00	0.045	0.030	1.00	18.0-20.0	8.00-11.0	-	-	-	-	-	-	-	-	-
TP 304H	S30409	-	-	SUS304LTB	0.030	2.00	0.040	0.015	1.00	17.5-19.5	8.00-10.0	-	0.10 Max	-	-	-	-	-	-	-
-	-	1.4948	X6CrNi18-10	-	0.040-10	2.00	0.045	0.030	1.00	18.0-20.0	9.00-13.0	-	-	-	-	-	-	-	-	-
TP 310S	S31008	-	-	SUS304HTB	0.040-10	2.00	0.035	0.015	1.00	17.0-19.0	8.00-11.0	-	-	-	-	-	-	-	-	-
-	-	1.4845	X8CrNi25-21	-	0.080	2.00	0.045	0.030	1.00	24.0-26.0	19.00-22.0	-	-	-	-	-	-	-	-	-
TP 310H	S31009	-	-	SUS310STB	0.100	2.00	0.045	0.015	1.50	24.0-26.0	19.00-22.0	-	0.11 Max	-	-	-	-	-	-	-
-	-	1.4335	X1CrNi25-21	-	0.080	2.00	0.040	0.030	1.50	24.0-26.0	19.00-22.0	-	-	-	-	-	-	-	-	-
TP 316	S31500	1.4401	X5CrNiMo17-12-2	-	0.040	2.00	0.045	0.030	0.25	24.0-26.0	10.00-14.0	0.20 Max	-	-	-	-	-	-	-	-
-	-	-	-	SUS316TB	0.080	2.00	0.040	0.015	1.00	16.0-18.0	11.00-14.0	2.00 3.0	-	-	-	-	-	-	-	-
TP 316L	S31603	1.4404	X2CrNiMo17-12-2	-	0.070	2.00	0.040	0.030	1.00	16.5-18.5	10.00-13.0	2.00-2.5	0.10 Max	-	-	-	-	-	-	-
-	-	-	-	SUS316LTB	0.035	2.00	0.045	0.015	1.00	16.5-18.5	11.00-14.0	2.00 3.0	-	-	-	-	-	-	-	-
TP 316H	S31609	-	-	-	0.030	2.00	0.040	0.015	1.00	16.0-18.0	11.00-14.0	2.00-2.5	0.10 Max	-	-	-	-	-	-	-
-	-	1.4918	X6CrNiMo17-13-2	-	0.040-10	2.00	0.045	0.030	1.00	16.0-18.0	11.00-14.0	2.00-3.0	-	-	-	-	-	-	-	-
TP 316 Ti	S31635	-	-	SUS316HTB	0.040-10	2.00	0.035	0.015	0.75	16.0-18.0	11.00-14.0	2.00-2.5	-	-	-	-	-	-	-	-
-	-	1.4571	X6CrNiMoTi17-12-2	-	0.030	2.00	0.030	0.030	0.75	16.0-18.0	11.00-14.0	2.00-3.0	0.10 Max	-	5(C+N)-0.70	-	-	-	-	-
TP 321	S32100	-	-	SUS316TTB	0.080	2.00	0.045	0.030	1.00	16.0-18.0	10.00-14.0	2.00-3.0	-	-	SXC TO 0.70	-	-	-	-	-
-	-	1.4541	X6CrNiTi18-10	-	0.080	2.00	0.040	0.030	1.00	17.0-19.0	9.00-12.0	-	-	-	SXC Min	-	-	-	-	-
TP 321H	S32109	-	-	SUS321TB	0.080	2.00	0.040	0.015	1.00	17.0-19.0	9.00-12.0	-	-	-	5(C+N)-0.70	-	-	-	-	-
-	-	1.4941	X5CrNiTiB18-10	-	0.040-10	2.00	0.045	0.030	1.00	17.0-19.0	9.00-12.0	-	-	-	SXC TO 0.70	-	-	-	-	-
TP 347	S34700	-	-	SUS347TB	0.040-10	2.00	0.035	0.015	0.75	17.0-19.0	9.00-13.0	-	-	-	SXC Min	-	-	-	-	-
-	-	1.455	X5CrNiNb18-10	-	0.080	2.00	0.045	0.030	1.00	17.0-20.0	9.00-13.0	-	10XC - 1.0	-	5/C - 0.80	-	-	-	-	0.0015 - 0.00050
TP 347H	S34709	-	X7CrNiNb18-10	-	0.040-10	2.00	0.045	0.015	1.00	17.0-19.0	9.00-13.0	-	-	-	4XC - 0.60	-	-	-	-	-
-	-	1.4912	X7CrNiNb18-10	-	0.080	2.00	0.040	0.030	1.00	17.0-19.0	9.00-13.0	-	10XC - 1.0	-	-	-	-	-	-	-
TP 405	S40500	-	X6CrAl13	-	0.080	1.00	0.040	0.030	1.00	11.5-14.5	-	-	0.10 Max	8XC-1.00	-	-	0.10-0.30	-	-	-
TP 410	S41000	-	X12Cr13	-	0.080	1.00	0.040	0.030	1.00	11.5-13.5	-	-	-	-	-	-	0.10-0.30	-	-	-
TP 430	S43000	-	X6Cr17	-	0.150	1.50	0.040	0.015	1.00	16.0-18.0	-	-	-	-	-	-	-	-	-	-
FERRITIC AND MARTENSITIC STAINLESS STEEL																				
UNS S31803	-	-	-	-	0.080	1.00	0.040	0.015	1.00	16.0-18.0	-	-	-	-	-	-	-	-	-	-
2205 / UNS S32205	-	1.4452	X2CrNiMoN22-5-3	-	0.030	2.00	0.030	0.020	1.00	21.0-23.0	4.50-6.50	2.50-3.5	0.08-0.20	-	-	-	-	-	-	-
2507 / UNS S32750	-	1.441	X2CrNiMoN25-7-4	-	0.030	2.00	0.035	0.015	0.90	24.0-26.0	6.00-8.0	3.00-5.0	0.24-0.35	-	-	0.50 Max	-	-	-	-
UNS S32760	-	1.4501	X2CrNiMoCuWN25-7-4	-	0.050	1.00	0.030	0.010	1.00	24.0-26.0	6.00-8.0	3.00-4.0	0.20-0.30	-	-	0.50-0.10	-	0.50-1.00	-	-
DUPLEX AND SUPER-DUPLEX STAINLESS STEEL																				
2507 / UNS S32750	-	1.4501	X2CrNiMoCuWN25-7-4	-	0.030	1.00	0.035	0.015	1.00	24.0-26.0	6.00-8.0	3.00-4.0	0.20-0.30	-	-	0.50-1.00	-	-	-	-



Chemical-composition limits must be verified against the latest applicable material specification, standard edition and purchase-order requirements before final publication or engineering use.



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- ☐ Nominal pipe size
- ☐ Wall thickness
- ☐ Schedule
- ☐ Required length
- ☐ Quantity
- ☐ Supply condition
- ☐ Surface finish
- ☐ Heat-treatment condition
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