



WELOK STEEL INDUSTRIES

Pipe • Fittings • Flanges • Fasteners

WELOK STEEL INDUSTRIES LLP

Company Profile

WWW.WELOKSTEEL.COM

About Welok Steel Industries LLP

Started off in 1994 with small hardware shop of plumbing items in 3 decades we have evolved to “**WELOK STEEL INDUSTRIES LLP**, Mumbai”, are an **ISO 14001:2004**, **ISO 9001:2008** and **OHSAS 18001:2007** certified organization, which is engaged in manufacturing, supplying and exporting a commendable Pipes, Tubes, Plates and Fittings. The range offered by us comprises of Industrial Pipeline Fitting, Flanges, B/w & S/w Fittings. These products are widely known for their features like authentic material grade, traceable material certificate, corrosion resistance, abrasion resistance, dimensional accuracy and QAP.

Owing to the above mentioned features, our offered range is demanded for various industries as below:-

• Chemical • Petrochemical • Refineries • Fertilizers • Power Plant • Nuclear Power • Oil & Gas • Paper • Breweries • Cement • Sugar	• Oil Mills • Mining • Construction • Shipbuilding • Steel Plant • Offshore • Defence • Ports • Railway • Engineering Co. & • Government Org.
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We are able to carry out our business operations in dexterous manner, owing to our state-of-the-art infrastructure facility, which is laced with modern machinery and technology. We have acquired a respectable position by catering to the demands of customers in efficient manner. The business operations are executed by our team of diligent professionals, who are well-versed in this domain. In addition to this, we have a vast distribution network, which is handled by a team of logistic personnel, enabling us to dispatch our range in stipulated time-period. We are exporting our products in all over the world.

Registration Details :-

VAT TIN No.	:-	27401112318V
CST TIN No.	:-	27401112318C
Import Export Code (IEC) No.	:-	0315012625
GST Registration No.	:-	27AABFW9602R1ZG
Member of Export Promotion Council's	:-	1. Metal & Stainless Steel Merchant Association 2. Engineering Export Promotion Council (EEPC)
ISO Registration	:-	QMS/09081/0119

CLIENTS

Nothing quite satisfies us like customer's appreciation. We provide the best products for our customers develop products that fit their specific needs. Our technical research facilities and our product development teams are ready to meet the needs of the most demanding customers. We assure you prompt product delivery and an immediate response. We are constantly expanding our areas of business and take impressive steps in safety, quality, productivity and innovation to earn recognition from our customers.

Why Us?

For us, client satisfaction has always been an important aspect. Keeping in mind the same, we are engaged in manufacturing, supplying and exporting a commendable range of Pipes, Tubes, Plates and Fittings. To attain maximum client contentment, we manufacture the entire range in different specifications. Furthermore, owing to our sound infrastructure facility, competent team of professionals, distribution network and competitive pricing policy, we have mustered huge client-base across the globe.

Our Team

Guided by our mentor, **“Mr. TM PATEL”** and promoted by **Er. Dheeraj Trivedi (B.E Mech, PG Marine Eng.) & Er. Ujjwal Utsav (B.E Mech, MBA International & Overseas Trade)**, we have been able to gain formidable position for ourselves in the industry. With their extensive knowledge of this industry, experience and expertise has enabled us to meet the exact demands of clients.

Our team has:

- Manufacturing personnel
- Quality controllers
- Warehouse and packaging personnel
- Administrative personnel

Our Infrastructure

Facilitated by a state-of-the-art infrastructure facility that is sprawled across an extensive area of premises, we have been able to manufacture, supply and export Pipes, Tubes, Plates and Fittings. Laced with ultra-modern machinery and cutting-edge technology, our infrastructure is segregated into different departments for hassle-free production process. The departments are manufacturing, quality controlling, R&D, warehousing and packaging.

Today we are leading Manufacturers, Suppliers & Exporters of Stainless Steel, Carbon Steel, Alloy Steel in the shape of Sheets, Plates, Coils, Strips, Pipes, Tubes, Fittings, Flanges, Rods, Plates, Angles, Butt weld & Socket weld Fittings, Fasteners, Ferrule Fittings, Honed Tubes, SAE Flanges & Precision Turned Machined Components as per customers drawings & specifications

Our Mission

To supply high-quality steel products, providing related services and solutions to a worldwide client base while utilizing innovative technologies within an environment of motivated employees focused on continuous improvement, highest business standards, work ethics and corporate citizenship, leading to added value to our customers and sustained return on investment to our shareholders.

Our Vision

To be known for our quality of products and excellent service. Maintaining an uncompromising attitude towards quality of our products, service back-up, clear business strategy, ethical business practice and corporate governance, mutual trust, simple & transparent procedures, sound financial management and host of value added services thus giving our clients "TOTAL CUSTOMER SATISFACTION".

Recognition MSME APPROVED



Recognition SSI Certificate



ISO Certification

ISO : 14001 : 2004 Certificate



ISO 9001:2008 Certificate



OHSAS 18001: 2007 Certificate



Quality Assurance

Being an ISO 14001:2004, ISO 9001:2008 and OHSAS 18001:2007 certified organization, all materials supplied carry test certificates and having all tests done in Govt. Approved laboratory. We can also supply under third party inspection agencies like DNV, PDIL, TUV, SGS, EIL, IBR, Bureau Veritas, JH&G, LLYOD's Register etc.



PIPES & TUBES

Stainless Steel: ASTM 312 TP 304/ 304L/ 304H/ 316/ 316L/ 317/ 317L/ 310/ 309/ 347/ 904L.

Carbon Steel: ASTM A53 Gr.B/ A106 Gr. B/ API 5L Grade B/ API 5L Gr.X 42/46/52/56/60/65/70/A333 Gr. 3/ Gr. 6/ AISI 1018, 1020, 4130 etc

Alloy Steel: ASTM A335 Gr. P1/P5/P9/P11/P22/P91 etc.

Ferrite- Austenitic Steel: ASTM A790 UNS S31803
ASTM A790 UNS S32750 & S32760 ASTM A928 UNS S31803
ASTM A928 UNS S32750 & S32760

Others: Brass, Bronze, Copper Alloys, ASTM B444 UNS NO6625 ASTM B423 UNS NO8825 ASTM B407 UNS NO8800 ASTM B407 UNS NO8810/11

Shape & Profile: Round, Square, Rectangular.

Finish: Seamless, ERW, Single Seam Welded, Spiral Weld, Cold drawn, Polished, LPE coating

Size: Up to 24" NB (Seamless & Welded)

Wall Thickness: Sch 5S to SCH XXS

SHEETS, PLATES, STRIPS & COILS

Stainless Steel Sheets Plates & Coils: as per ASTM / ASME SA 240 304 , 304L , 304H, 309S , 309H, 310S , 310H , 316 , 316H , 316L , 316 TI , 317 , 317L , 321 , 321H , 347 , 347 H , 409 , 410 , 410S , 430

Duplex Steel Sheet and Plates: Duplex 2205, LDX 2101, Super Duplex 2507, Zeron 100, Duplex2304, AL-6XN, 904/L, 254 SMO, 253 MA® ASTM / ASME SA 240 UNS NO. S 31803 , S 32205 , S 32550 , S 32750 , S 32760.

Carbon Steel and Boiler Quality Plates: As per IS 2062 Gr. A, B & C, SA 516 Gr. 60 & 70, SA 515 Gr.70

Alloy Steel Plates:- as per ASTM A 387 Gr. 2, 5, 9, 11, 12 & 22 in class 1&2 ASTM A204 Gr. A & B. DIN 17175 Gr. 15Mo3 & 16Mo3 with IBR Test Cert.

Spring Steel Strips: in annealed condition & hardened tempered condition in all grades like En42J, C-55, C-80, C-45, C-62, C-75, C-98, En47 etc.

Type: Sheet, plates, foils, strips, shims etc.

Size: 0.5mm to 200mm thick in 1000mm to 2500mm width & 2500mm to 12500mm length available with NACE MR01-75



ROUND , HEXAGONAL & HOLLOW BARS

Stainless Steel Bars: as per ASTM A 276, A 314, A 582, A 479 & A 484 Gr. TP 304, 304L, 304H, 304LN, 309, 309S, 309H, 310S, 310H, 316, 316L, 316H, 316LN, 316Ti, 317, 317L, 321, 321H, 347, 347H, 348, 348H, 409, 410, 420, 430, 430F etc.

Alloy Steel Bars: as per ASTM A 182 Gr. F1, F2, F5, F9, F11, F12, F22, F91 etc.

Carbon Steel Bars: as per ASTM A105 & IS2062 Gr. A&B.

EN Series Bars: like EN8, EN9, EN19, EN 24, C45, C45Cr, H13, Tool steel, P20, EN31, SAE 4140, 20MnCr5 etc.

Aluminum Round Bars: like 2A12, 2A1214, 2024, 2014, 2A14, 2A50, 3003, 4032, 5052, 5056, 5082, 5083, 5754, 6060, 6061, 6063, 6005, 6082, 6A02, 7005, 7A04, 7075, 7A09, K70, G77, AHS, 19000, 19500, 19501, 19600, 19700.

Nickel & Copper Alloy Round Bars like CU-NI-70/30 (UNS No C71500) ASTM / ASME SB 160 UNS 2200 (NICKEL 200) / UNS 2201 (NICKEL 201), PB102, PB104, PB1, LG1, LG2, LB2, SAE 660, AB2.

Hard Chrome Round Bars in Round , Hexagonal & Hollow Bars
Precision Hard Chrome Plated Rod, Hard Chrome Plated Rod.



HYDRAULIC SAE FLANGES

Material:

SAE Flanges are manufactured from two kinds of material, steel ST52.3 and stainless steel AISI SS316L.

Sizes:

SAE Flanges come in two series, SAE code 61 (3000 series) and SAE code 62 (6000 series).

For code 61 (3000# series), they are available in all nominal sizes between DN10 (3/8") and DN125 (5").

For code 62 (6000# series), they are available in all nominal sizes between DN10 (3/8") and DN80 (3")

Features:

- Size Range: 1/4" to 5"
- Design Standard: SAE J518 / ISO 6162
- Connections: Socket Weld / Butt Weld / NPT / BSPP
- Material: Steel ST52.3 / AISI SS316L
- Working Pressure: Up to 210 Bar / 420 Bar
- Brand: WELOK STEEL INDUSTRIES
- Origin: INDIA

FLANGES

Stainless Steel Flanges: ASTM A182, F304/ 304L/ 304H/ 316/ 316L/ 317/ 317L/ 321/ 310/ 347/ 904 etc.

Carbon Steel Flanges: ASTM IS 2062/A105/A694/F42/46/52/56/60/65/70/A350 LF3/ A350 LF2 etc.

Alloy Steel: ASTM A 182 F1/F5/F9/F11/F22/F91 etc.

Others: Monel, Inconel, HASTALLOY, Copper, Brass, Gun Metal, Bronze, Titanium, Aluminum, High Speed Steel.

Types: Weld Neck, Slip-on, Blind, Socket Weld, Lap Joint, Spectacle Flanges, Ring Joint Flanges, Orifice Flanges, Long Weld Neck Flanges, Paddle Flange.

Size: ½" NB to 48" NB

Class: 150#, 300#, 400#, 600#, 900#, 1500#, 2500#, 3000# & 6000# and PN 10, PN16, PN 2501 as per client customer drawing.



SOCKETWELD FITTINGS

Socket Weld & Forged Fittings

Stainless Steel: ASTM A182
F304/304L/304H/316/316L/317/317L/321/310/904L etc.

Carbon Steel: ASTM A105/A694 F42/46/52/56/60/65/70/A350LF3/A350LF2

Alloy Steel: ASTM A 182 F1/F5/F9/F11//F22/F91 etc.

Others: Monel, Inconel, HASTALLOY, Copper, Brass, Gun Metal, Bronze, Titanium, Aluminum, High Speed Steel.

Type: Elbow, Tee, Union, Cross, Coup-bushing, Plug, Swage- Nipple, Welding Boss, Hexagonal Nipple, Barrel Nipple, Welding Nipple, Street Elbow, Hexagonal Nut, Hose, Nipple, Bend, Adapter, Insert, Weldolet, Elbowlet, Sockolet, Thredolet, Nipple, Latrolet etc.

Size: ¼" NB to 6" NB SOCKETWELD & THREADED

Class: 3000#, 6000#, 9000#

BUTT-WELD FITTINGS

Stainless Steel: ASTM A403 WP 304/304L, 304H, 316, 316L, 317, 317L, 321, 310, 347, 904L etc.

Carbon Steel: ASTM A234 WPB / A420 WPL3/ A420 WPL6/ MSS-SP-75 WHPY 42/46/52/56/60/65/70

Alloy Steel: ASTM A234 WP1, WP5/WP9/WP11/WP22/WP91 etc.

Others: Monel, Inconel, HASTALLOY, Copper, Brass, Gun Metal, Bronze, Titanium, Aluminum, High Speed Steel.

Types: Elbow, Tee, Reducer, Return Bend, Stub-ends, Caps, Collar, Cross, Insert etc.

Size: ¼" NB to 32 NB (seamless & welded)

Wall Thickness: SCH SS to SCH XXS



FERRULE FITTINGS

Available in below materials:-

Stainless Steel Bars: as per ASTM A 276, A 314, A 582, A 479 & A 484 Gr. TP 304, 304L, 304H, 304LN, 309, 309S, 309H, 310S, 310H, 316, 316L, 316H, 316LN, 316Ti, 317, 317L, 321, 321H, 347, 347H, 348, 348H, 409, 410, 420, 430, 430F etc.

Carbon Steel Bars: as per ASTM A105 & IS2062 Gr. A&B..

In Aluminum Alloys: like 6060, 6061, 6063, 6005, 6082, 6A02, 7005, 7A04, 7075 etc.

Nickel & Copper Alloy Round Bars like CU-NI-70/30 (UNS No C71500) ASTM / ASME SB 160 UNS 2200 (NICKEL 200) / UNS 2201 (NICKEL 201), Brass.

TYPE: Swivel Type, Single Ferrule, Double Ferrule, Bulk Head Type, Branch Run Fittings.

FASTENERS

Stainless Steel: AISI SS304, 304L, 316, 316L, 317, 317L, 321, 347, 410, 420, 904L etc

Alloy Steel: 4.6, 5.6, 8.8, 10.9 & 12.9/ 'R', 'S', 'T' Conditions.

Carbon Steel: Bare Condition, Galvanized Phosphetised Cadmium Plated, Hot Dip Galvanized, Nickel Chrome Plated etc.

High Nickel Alloy: Monel, Inconel, Nickel HASTALLOY.

Others: Copper, brass, Bronze, Titanium, Tantalum, BiMetal, Aluminum, High Speed Steel etc.

Types: Bolts, Nuts, Washers, Anchor Fasteners, Stud Bolts, Eye Bolt, Stud Threaded Rods, Cotter Pin, Socket Head Screw, Fine Fasteners & Spares, Foundation Fasteners etc.





PIPES AND TUBES



**STOCKHOLDER, EXPORTER & SUPPLIER OF PIPES,
TUBES FROM REPUTED MILLS ALL OVER THE GLOBE.**

CHEMICAL COMPOSITION OF S. S. PIPES & TUBES

Grade	UNS Designation	Composition %															
		Carbon max	Manganese max	Sulphur max	Phosphorus max	Silicon	Nickel	Chromium	Molybdenum	Titanium	Columbium plus Tantalum	Tantalum max	Nitrogen ^c	Vanadium	Copper	Cerium	Boron
TP304	S30400	0.08	2.00	0.040	0.030	0.75 max	8.00-11.0	18.0-20.0	---	---	---	---	---	---	---	---	---
TP304H	S30409	0.04-0.10	2.00	0.040	0.030	0.75 max	8.00-11.0	18.0-20.0	---	---	---	---	---	---	---	---	---
TP304L	S30403	0.035	2.00	0.040	0.030	0.75 max	8.00-13.0	18.0-20.0	---	---	---	---	---	---	---	---	---
TP304N	S30451	0.08	2.00	0.040	0.030	0.75 max	8.00-11.0	18.0-20.0	---	---	---	---	0.10-0.16	---	---	---	---
TP304LN	S30453	0.035	2.00	0.040	0.030	0.75 max	8.00-11.0	18.0-20.0	---	---	---	---	0.10-0.18	---	---	---	---
TP309Cb	S30940	0.08	2.00	0.045	0.030	0.75 max	12.0-16.0	22.0-24.0	0.75 max	---	10 x C min 1.10 max	---	---	---	---	---	---
TP309H	S30909	0.04-0.10	2.00	0.040	0.030	0.75 max	12.0-15.0	22.0-24.0	---	---	---	---	---	---	---	---	---
TP309Hcb	S3041	0.04-0.10	2.00	0.045	0.030	0.75 max	12.0-16.0	22.0-24.0	0.75 max	---	10 x C min 1.10 max	---	---	---	---	---	---
TP309S	S30908	0.08	2.00	0.045	0.030	0.75 max	12.0-15.0	22.0-24.0	0.75 max	---	---	---	---	---	---	---	---
TP310Cb	S31040	0.08	2.00	0.045	0.030	0.75 max	19.0-22.0	24.0-26.0	0.75 max	---	10 x C min 1.10 max	---	---	---	---	---	---
TP310H	S31009	0.04-0.10	2.00	0.040	0.030	0.75 max	19.0-22.0	24.0-26.0	---	---	---	---	---	---	---	---	---
TP310Hcb	S31041	0.04-0.10	2.00	0.045	0.030	0.75 max	19.0-22.0	24.0-26.0	0.75 max	---	10 x C min 1.10 max	---	---	---	---	---	---
TP310S	S31008	0.08	2.00	0.045	0.030	0.75 max	19.0-22.0	24.0-26.0	0.75 max	---	---	---	---	---	---	---	---
	S31272	0.08-0.12	1.5	0.030	0.015	0.3-0.7	14.0-16.0	14.0-16.0	1.0-1.4	0.3-0.6	---	---	---	---	---	---	0.04
TP316	S31600	0.08	2.00	0.040	0.030	0.75 max	11.0-14.0	16.0-18.0	2.00-3.00	---	---	---	---	---	---	---	0.00
TP316H	S31609	0.04-0.10	2.00	0.040	0.030	0.75 max	11.0-14.0	16.0-18.0	2.00-3.00	---	---	---	---	---	---	---	---
TP316L	S31603	0.035	2.00	0.040	0.030	0.75 max	10.0-15.0	16.0-18.0	2.00-3.00	---	---	---	---	---	---	---	---
TP316N	S31651	0.08	2.00	0.040	0.030	0.75 max	11.0-14.0	16.0-18.0	2.00-3.00	---	---	---	0.10-0.16	---	---	---	---
TP316LN	S31653	0.035	2.00	0.040	0.030	0.75 max	11.0-14.0	16.0-18.0	2.00-3.00	---	---	---	0.10-0.18	---	---	---	---
TP317	S31700	0.08	2.00	0.040	0.030	0.75 max	11.0-14.0	18.0-20.0	3.00-4.00	---	---	---	---	---	---	---	---
TP317L	S31703	0.035	2.00	0.040	0.030	0.75 max	11.0-15.0	18.0-20.0	3.00-4.00	---	---	---	---	---	---	---	---
TP321	S32100	0.08	2.00	0.040	0.030	0.75 max	9.00-13.0	17.0-20.0	---	F	---	---	---	---	---	---	---
TP321H	S32109	0.04-0.10	2.00	0.040	0.030	0.75 max	9.00-13.0	17.0-20.0	---	G	---	---	---	---	---	---	---
TP347	S34700	0.08	2.00	0.040	0.030	0.75 max	9.00-13.0	17.0-20.0	---	H	---	---	---	---	---	---	---
TP347H	S34709	0.04-0.10	2.00	0.040	0.030	0.75 max	9.00-13.0	17.0-20.0	---	I	---	---	---	---	---	---	---
TP347LN	S34751	0.005-0.020	2.00	0.040	0.030	0.75 max	9.00-13.0	17.0-20.0	---	---	0.2-0.5 ^h	---	0.06-0.10	---	---	---	---
TP348	S34800	0.08	2.00	0.040	0.030	0.75 max	9.00-13.0	17.0-20.0	---	---	H	0.10	---	---	---	---	---
TP348H	S34809	0.04-0.10	2.00	0.040	0.030	0.75 max	9.00-13.0	17.0-20.0	---	---	I	0.10	---	---	---	---	---
TPXM 10	S21900	0.08-1000	8.00-10.00	0.040	0.030	1.00 max	5.50-7.50	19.0-21.5	---	---	---	---	0.15-0.40	---	---	---	---
TPXM 11	S21904	0.04-10.00	8.00-10.00	0.040	0.030	1.00 max	5.50-7.50	19.0-21.5	---	---	---	---	0.15-0.40	---	---	---	---
TPXM-15	S38100	0.08	2.00	0.030	0.030	1.50-2.50	17.5-18.5	17.0-19.0	---	---	---	---	---	---	---	---	---
TPXM-19	S20910	0.060	4.00-6.00	0.040	0.030	1.00 max	11.5-13.5	20.5-3.00	1.50-3.00	---	0.10-0.30	---	0.20-0.40	0.10-0.30	---	---	---
TPXM-29	S24000	0.080	11.5-14.5	0.060	0.030	1.00 max	2.25-3.75	17.0-19.0	---	---	---	---	0.20-0.40	---	---	---	---
---	S31254	0.020	1.00	0.030	0.010	0.80 max	17.5-18.5	19.5-20.5	6.00-6.50	---	---	---	0.18-0.22	---	0.50-1.00	---	---
---	S30615	0.16-0.24	2.00	0.030	0.030	3.2-4.0	13.5-16.0	17.0-19.5	---	---	---	---	---	---	---	0.03-0.08	---
---	S30815	0.05-0.10	0.80	0.040	0.030	1.40-2.00	10.0-12.0	20.0-22.0	---	---	---	---	0.14-0.20	---	---	---	---
---	S31050	0.025	2.00	0.020	0.015	0.4	20.5-23.5	24.0-26.0	1.6-2.6	---	---	---	0.09-0.15	---	---	---	---
---	S30600	0.018	2.00	0.020	0.020	3.7-4.3	14.0-15.5	17.0-18.5	0.20 max	---	---	---	---	---	0.50 max	---	---
---	S31725	0.03	2.00	0.040 ⁱ	0.030	0.75	13.5-17.5	18.0-20.0	4.0-5.0	---	---	---	0.10 max	---	0.75 max	---	---
---	S31726	0.03	2.00	0.040 ⁱ	0.030	0.75	13.5-17.5	17.0-20.0	4.0-5.0	---	---	---	0.10-0.20	---	0.75 max	---	---
---	S32615	0.07	2.00	0.045	0.030	4.8-6.0	19.0-22.0	16.5-19.5	0.3-1.5	---	---	---	---	---	1.5-2.5	---	---
---	S33228	0.04-0.08	1.00	0.020	0.015	0.30 max	31.0-33.0	26.0-28.0	---	---	0.6-1.0	---	---	---	---	0.05-0.10	---
---	S24565	0.03	5.0-7.0	0.030	0.010	1.00max	16.0-18.0	23.0-25.0	4.0-5.0	---	0.1 max	---	0.04-0.6	---	---	---	---
---	S30415	0.4-0.06	0.80	0.045	0.030	1.00-2.00	9.00-10.0	18.0-19.0	---	---	---	---	0.12-0.16	---	---	0.03-0.08	---
---	S32654	0.020	2.00-4.00	0.030	0.005	0.50 max	21.0-23.0	24.0-25.0	7.00-8.00	---	---	---	0.45-0.55	---	0.030-0.60	---	---
---	S35315	0.04-0.08	2.00	0.045	0.030	0.75	34.0-36.0	24.0-26.0	---	---	---	---	0.12-0.18	---	---	0.03-0.08	---
---	N08367	0.030	2.00	0.030	0.030	1.00 max	23.50-25.50	20.00-22.00	6.00-7.00	---	---	---	0.18-0.25	---	0.75 max	---	---
---	N08904	0.020	2.00	0.045	0.035	1.00	23.0-28.0	19.0-23.0	4.0-5.0	---	---	---	0.10 max	---	1.0-2.0	---	---

New designation established in accordance with Practice E 527 and SAE J 1086.
Maximum, unless otherwise indicated. The method of analysis for nitrogen shall be a matter of agreement between the purchaser and manufacturer.
For welded TP316, TP316N, TP316LN, and TP316H pipe, the nickel range shall be 10.0-14.0 %. For small diameter or thin walls or both, where many drawing passes are required, a carbon maximum of 0.040 % is necessary in grades TP304L and TP316L. Small diameter tubes are defined as those less 0.500 in (12.7mm) in outside diameter and light wall tubes as those less than 0.049 in (1.20 mm) in average wall thickness (1.10 mm) in minimum wall thickness
The titanium content shall be not less than five times the carbon content and not more than 0.70 %. The titanium content shall be not be less than four times the carbon content and not more than 0.60 %. The Columbium plus titanium content shall be not less than ten times carbon content and not more than 1.00 %.
The Columbium plus titanium content shall be not less than eight times carbon content and not more than 1.00 %.
For welded pipe, the phosphorus maximum shall be 0.045 %. Grade S34751 shall have a columbium (Niobium) plus tantalum content of not less than 15 times the carbon content.

MECHANICAL PROPERTIES OF S.S.PIPES

Table-2 Annealing Requirements		A312/A312M	Table-3 Tensile	Requirements	
Grade			UNS Designation	Tensile Strength, min Ksi (MPa)	Yield Strength, Min Ksi (MPa)
	TP304L		S30403	70 (485)	25 (170)
	TP316L		S31603	70 (485)	25 (170)
	TP304		S30400	75 (515)	30 (205)
	TP304H		S30409	75 (515)	30 (205)
	TP309Cb		S30940	75 (515)	30 (205)
	TP309H		S30909	75 (515)	30 (205)
	TP309HCb		S30941	75 (515)	30 (205)
	TP309S		S30908	75 (515)	30 (205)
	TP310Cb		S31040	75 (515)	30 (205)
	TP310H		S31009	75 (515)	30 (205)
	TP310HCb		S31041	75 (515)	30 (205)
	TP310S		S31008	75 (515)	30 (205)
			S31272	65 (450)	29 (200)
	TP316		S31600	75 (515)	30 (2050)
	TP316H		S31609	75 (515)	30 (205)
	TP317		S31700	75 (515)	30 (205)
	TP317L		S31703	75 (515)	30 (205)
	TP321		S32100		
	Welded			75 (515)	30 (205)
	Seamless				
	≤ 3/8 in.			75 (515)	30 (205)
	> 3/8 in.			70 (485)	25 (170)
	TP321H		S32109		
	Welded			75 (515)	30 (205)
	Seamless				
	< 3/8 in.			75 (515)	30 (205)
	> 3/8 in.			70 (485)	25 (170)
	TP347		s34700	75 (515)	30 (205)
	TP347H		S3470	75 (515)	30 (205)
	TP347LN		S34751	75 (515)	30 (205)
	TP348		S34800	75 (515)	30 (205)
	TP348H		S34809	75 (515)	30 (205)
	TPXM-10		S21900	90 (620)	50 (345)
	TPXM-11		S21904	90 (620)	50 (345)
	TPXM-15		S38100	75 (515)	30 (205)
	TPXM-29		S24000	100 (690)	55 (380)
	TPXM-19		S20910	100 (690)	55 (380)
	TP304N		S30451	80 (550)	35(240)
	TP316N		S31651	80 (550)	35 (240)
	TP304LN		S31653	75 (515)	30 (205)
	---		S31254	94 (650)	44 (300)
	---		S30615	90 (620)	40 (275)
	---		S30815	87 (600)	45 (310)
	---		S30600	78 (540)	35 (240)
	---		S31725	75 (515)	30 (205)
	---		S31726	80 (550)	35 (240)
	---		S31050		
	T<0.25 IN.			84 (580)	39 (270)
	T>0.25 in.			78 (540)	37 (255)
	---		S32615	80 (550)	32 (220)
	---		S33228	73 (500)	27 (185)
	---		S24565	115 (795)	60 (415)
	---		S30415	87 (600)	42 (290)
	---		S32654	109 (750)	62 (430)
	---		S35315	94 (650)	39 (270)
	---		N08367:		
	t<0.187			100 (690)	45 (310)
	t>0.187			95 (655)	45 (310)
	---		N08904	71(490)	31(215)
Elongation in 2 in or 50 mm (or 4D), min,% Longitudinal Transverse					
All Grades except S 31050 and S 32615 35 25 S32615, S31050 25 --N08367					
Prior to the issuance of A 312/A 312 M- 88a, the tensile and yield strength values were 76 (515) and 30 (205) respectively, for nominal wall greater than 3/8 in. (9.5 mm).					

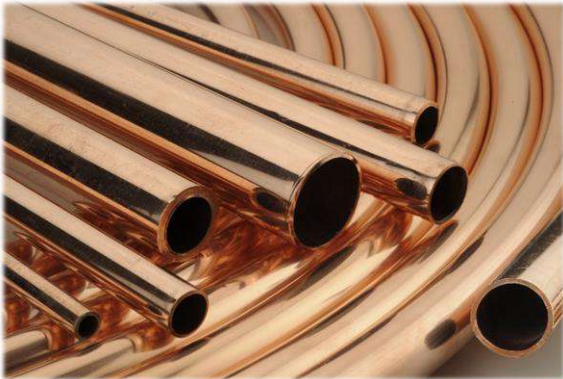
TOLERANCE: ASTM SPECIFICATION FOR TUBING & PIPING

Specification	Allowable Outside Diameter Variation in mm			Allowable Wall Thickness Variation		Exact Length Testing Tolerance in mm		
ASTM-A213 Seamless Boiler Superheater and Heat Exchanger Tubes	Nominal Diameter	Over	Under	%Over	%Under	Over	Under	
	Under 25.4	.1016	.1016	+20	-0	3.175	0	Tension Test
	25.4-38.1 incl	.1524	.1524	+22	-0	3.175	0	Flattening Test
	38.1-50.8 excl	.2032	.2032	+22	-0	3.176	0	Flare Test
	50.8-63.5 excl	.254	.254	+2	-0	4.46	0	Hardness Test
	63.5-76.2 excl	.3048	.3048	+22	-0	4.76	0	100% Hydrostatic test
	76.2-101.6 incl	.381	.381	+22	-0	4.76	0	Refer to ASTM A-450
ASTM-A249 Welded Boiler Superheater, Heat Exchanger And Condenser Tubes	Under 25.4	.1016	.1016	+10	-10	3.175	0	Tension Test
	25.4-38.1 incl	.1524	.1524	+10	-10	3.175	0	Flattening Test
	38.1-50.8 Excl	.2032	.2032	+10	-10	3.175	0	Flare Test
	50.0-63.5 excl	.254	.254	+10	-10	4.76	0	Reverse Bend Test
	63.5-76.2 excl	.3848	.3048	+10	-10	4.76	0	Hardness Test
	76.2-101.6 incl	.381	.381	+10	-10	4.76	0	100% Hydrostatic Test
				Minimum Wall tubes + 18% 0 available On request				*Reverse flattening Test Refer to ASTM A-450 *Wherever applicable
ASTM-A269 Seamless & Welded Tubing for General Service	Untp 12.7	.13	.13	+15	-15	3.2	0	Flare Test
	12.7-38.1 excl	.13	.13	+10	-10	3.2	0	Flance Test (Welded Only)
	38.1-88.9 excl	.25	.25	+10	-10	4.8	0	Hardness Test
	88.9-139.7 excl	.38	.38	+10	-10	4.8	0	Reverse Flattening Test (Welded only)
	139.7-203.2 excl	.76	.76	+10	-10	4.8	0	100% Hydrostatic Test Refer to ASTM-A269
ASTM-A270 Seamless & Welded Sanitary Tubing	25.4	.05	.20	+12.5	-12.5	3.2	0	Reverse flattening Test 100%
	38.1	.05	.20	+12.5	-12.5	3.2	0	Hydrostatic Test External
	50.8	.05	.28	+12.5	-12.5	3.2	0	polish on all tubes
	60.5	.05	.28	+12.5	-12.5	3.2	0	
	76.2	.08	.30	+12.5	-12.5	3.2	0	Refer to ASTM A-270
	101.6	.08	.38	+12.5	-12.5	3.2	0	
ASTM-A312 Seamless & Welded pipe	3.175-38.1 incl	.79	.79	12.5% under Minimum Wall nominal wall Specified		6.4	0	Tension Test Flattening
	38.1-101.6 incl	.4	.79			6.4	0	Test
	101.6-203.2 imcl	1.59	.79			6.4	0	100% Hydrostatic Test
		+0.5%		-0.3		(Normally Random Lengths ordered)		Refer to ASTM A-530
ASTM A-358 Welded pipe	219.08-750mm or 0.01 inch					6.0		Refer to ASTM A-530



CARBON STEEL, ALLOY STEEL LOW TEM, PIPE AND TUBE SPECIFICATION

SPECIFICATION	WT	C%	Mn %	P % MAX	S% MAX	Si%	Cr%	Mo%	TENSILE STRENGTH	YIELD STRESS	ELONGATI ON	
									Mpa	Mpa	50mm MIN Longitudinal	
ASTM A53/A	AW	0.25MAX	0.95MAX	0.050	0.045	-	-	-	330MIN	205MIN	36	Cr Mo Cu Ni Va 40 15 40 40 08 Five elements not to exceed 1%
ASTM A53/B	AW	0.30MAX	1.20MAX	0.050	0.045	-	-	-	415MIN	240MIIN	29/5	
ASTM /A 106/A	AW	0.25MAX	0.27-0.93	0.035	0.025	0.10MIN	0.40MAX	0.15MAX	330MIN	205MIN	35/2	
ASTM A 106/B	AW	0.35MAX	0.29-1.06	0.035	0.035	0.10MIN	0.40MAX	0.15MAX	415 MIN	240MIN	30/22	
ASTM A 106/C	AW	0.35MAX	0.29-1.06	0.035	0.035	0.10MIN	0.40MAX	0.15MAX	485MIN	275MIN	30/22	
ASTM A179	MW	0.06~018	0.27-0.63	0.035	0.035	-	-	-	325MIN	180MIN	35.0	Hardness 72 HRB Max
ASTMA214	MW	0.18MAX	0.27-0.63	0.035	0.035	-	-	-	385MIN	180MIN	35.0	Hardness 72 HRB Max
ASTM A192	MW	0.06-0.18	0.27-0.63	0.035	0.035	0.25MAX	-	-	325MIN	180MIN	35.0	Hardness 77 HRB Max
ASTM a209/T1	MW	0.10-0.20	0.30-0.80	0.025	0.025	0.10-0.50	-	0.44-0.65	380MIN	205MIN	30/22	Hardness 80 HRB Max
ASTM A209/T1a	MW	0.15-0.25	0.30-0.80	0.025	0.025	0.10-0.50	-	0.44-0.65	365MIN	195MIN	30/22	Hardness 81 HRB Max
ASTM A209/T1b	MW	0.14MAX	0.30-0.80	0.025	0.025	0.10MIN	-	0.44-0.65	415MIN	220MIN	30/22	Hardness 77 HRB Max
ASTM A210/A-1	MW	0.27max	0.93max	0.035	0.035	0.10min	-	-	415MIN	255MIN	30/22	Hardness 79 HRB Max
ASTMA210/C	MW	0.35MAX	0.23-1.06	0.035	0.035	0.10MIN	-	-	485MIN	275MIN	30/22	Hardness 89 HRB Max
ASTM A213/T2	MW	0.10/0.20	0.30-0.61	0.025	0.025	0.10-0.30	0.50-0.81	0.44-0.65	415MIN	205MIN	30/22	Hardness 85 HRB Max
ASTM A213/T5	MW	0.15MAX	0.30-0.60	0.025	0.025	0.50MAX	4.00-6.00	0.44-0.65	415MIN	205MIN	30/22	Hardness 85 HRB Max
ASTM A213/T11	MW	0.15MAX	0.30-0.60	0.025	0.025	0.50MAX	1.00-1.50	0.44-0.65	415MIN	205MIN	30/22	Hardness 85 HRB Max
ASTM A213/T12	0.05	0.15MAX	0.30-0.61	0.025	0.025	0.50MAX	0.80-1.25	0.44-0.65	415MIN	220MIN	30/22	Hardness 85 HRB Max
ASTM A213/T22	0.05	0.15MAX	0.30-0.60	0.025	0.025	0.50MAX	1.90-2.60	0.87-1.13	415MIN	205MIN	30/22	Hardness 85 HRB Max
ASTM A333/3	AW	0.19MAX	0.31-0.64	0.025	0.025	0.18-0.37	Ni	3.18-3.82	380MIN	205MIN	35/25	IMPACT AS -50f FOR 40X10/18/1490 HRB MAX 50 f 40X10/18/14
ASTM A333/6	AW	0.30MAX	0.29-1.06	0.025	0.025	0.10MIN	--	-	415MIN	240MIN	30/22	
ASTM A334/3	AW	0.19MAX	0.31-0.64	0.025	0.025	0.18-0.37	Ni	3.18-3.82	380MIN	205MIN	35/28	
ASTM A334/6	MW	0.30MAX	0.9-1.06	0.025	0.025	0.10MIN	-	-	415MIN	240MIN	30/22	
ASTM A335/P1	AW	0.10-0.20	0.30-0.80	0.025	0.025	0.10-0.50-	-	0.40-0.65	380MIN	205MIN	30/22	
ASTM A335/P2	AW	0.10-0.20	0.30-0.61	0.025	0.025	0.10-0.30	0.50-0.81	0.40-0.65	380MIN	205MIN	30/22	
ASTM A335/P5	AW	0.15MAX	0.30-0.60	0.025	0.025	0.50-1.00	4.00-6.00	0.40-0.65	415MIN	205MIN	30/22	
ASTM A335/P11	0.05	0.15MAX	0.30-0.60	0.025	0.025	0.50-1.00	1.00-1.50	0.400-65	415MIN	205MIN	30/22	
ASTM A335/P12	0.05	0.15MAX	0.30-0.61	0.025	0.025	0.50MAX	0.80-1.25	0.40-0.65	415MIN	205MIN	50/22	
ASTM A335/P22	0.05	0.15MAX	0.30-0.60	0.025	0.025	0.50MAX	1.90-2.60	0.87-1.13	415MIN	205MIN	30/22	
BS/3059/1/33		0.15Max	0.30-0.70	0.050	0.050	-	-	-	324-441	186MIN	25	
BS/3059/2/33		0.15MAX	0.400-70	0.050	0.050	0.10-0.35	-	-	324-441	186MIN	21	
BS/3059/245		0.120.18	0.90-1.20	0.035	0.035	0.10-0.35	-	-	441-560	245MIN	22	
BS/3059/2/620		0.10-0.15	0.40-0.70	0.040	0.040	0.10-0.35	0.70-1.10	0.45-0.65	441-618	235MIN	22	
DIN/17175/ST35.8		0.17MAX	0.40MIN	0.040	0.040	0.35MAX	-	-	340-441	235MIN	25	
DIN/17175/ST45.8		0.22MAX	0.45MIN	0.040	0.040	0.10-0.35	-	-	441-540	255 MIN	25	
DIN/17175/15MO3		0.12-0.20	0.50-0.80	0.040	0.040	0.10-0.35	-	0.250-0.35	441-540	284MIN	21	
DIN/17175/13CrMo44		0.10-0.18	0.40-0.60	0.040	0.040	0.15-0.35	0.70-1.60	0.40-0.50	441-570	294MIN	22	
DIN/17175/10CrM910		0.15MAX	0.40-0.60	0.040	0.040	0.15-0.50	2.0-2.5	0.9-1.10	441-570	249MIN	22	
ASTM A199/T5	MW	0.15MAX	0.30-0.60	0.025	0.025	0.50MAX	4.00-6.00	0.45-0.65	415MIN	170MIN	30/22	HARDNESS 85 HRB MAX HARDNESS 85 HRB MAX HARDNESS 85 HRB MAX HARDNESS 85 HRB MAX HARDNESS 85 HRB MAX HARDNESS 85 HRB MAX HARDNESS 85 HRB MAX HARDNESS 85 HRB MAX HARDNESS 85 HRB MAX HARDNESS 85 HRB MAX HARDNESS 85 HRB MAX HARDNESS 85 HRB MAX HARDNESS 85 HRB MAX HARDNESS 85 HRB MAX HARDNESS 85 HRB MAX HARDNESS 85 HRB MAX HARDNESS 85 HRB MAX
ASTM A199/T11	MW	0.05-0.15	0.30-0.60	0.025	0.025	0.50-1.00	1.00-1.50	0.44-0.65	415MIN	170MIN	30/22	
ASTM A199/T22	MW	0.05-0.15	0.30-0.60	0.025	0.025	0.50MAX	1.90-2.60	0.87-1.13	415MIN	170MIN	30/22	
ASTM A199/T4	MW	0.15MAX	0.30-0.60	0.025	0.025	0.50-1.00	2.15-2.85	0.44-0.65	415MIN	170MIN	30/22	
ASTM A199/T7	MW	0.15MAX	0.30-0.60	0.025	0.025	0.50-1.00	6.00-8.00	0.45-0.65	415MIN	170MIN	30/22	
ASTM A199/T5	MW	0.15MAX	0.30-0.60	0.025	0.025	0.50MAX	4.00-6.00	0.45-0.65	415MIN	170MIN	30/22	
ASTM A199/T11	MW	0.05-0.15	0.30-0.60	0.025	0.025	0.50-1.00	1.00-1.50	0.44-0.65	415MIN	170MIN	30/22	
ASTMA199/T22	MW	0.05-0.15	0.30-0.60	0.025	0.025	0.50MAX	1.90-2.60	0.87-1.13	415MIN	170MIN	30/22	
ASTM A199/T4	MW	0.05-0.15	0.30-0.60	0.025	0.025	0.50-1.00	2.15-2.852	0.44-0.85	415MIN	170MIN	30/22	
ASTM A199/T7	MW	0.15MAX	0.30-0.60	0.025	0.025	0.50-1.00	6.00-8.00	0.45-0.65	415MIN	170MIN	30/22	
ASTM A199/T9	MW	0.15MAX	0.30-0.60	0.025	0.025	0.25-1.00	8.00-10.00	0.90-1.10	415MIN	170MIN	30/22	
ASTM A199/T9	MW	0.15MAX	0.30-0.60	0.025	0.025	0.25-1.00	8.00-10.00	0.90-1.10	415MIN	170MIN	30/22	
ASTM A199/T9	MW	0.15MAX	0.30-0.60	0.025	0.025	0.25-1.00	8.00-10.00	0.90-1.10	415MIN	170MIN	30/22	
ASTM A335/P9	MW	0.15MAX	0.30-0.60	0.025	0.025	0.25-1.00	8.00-10.00	0.09-1.10	415MIN	172MIN	30/22	
ASTM A178A	MW	0.06-0.18	0.30-0.60	0.035	0.035	-	-	-	325MIN	180MIN	35	
ASTM A178C	MW	0.35 MAX	0.27-0.63	0.035	0.035	-	-	-	415MIN	170MIN	30	
ASTM A178B	MW	0.27MAX	0.80 MAX	0.030	0.015	0.10MIN	-	-	485MIN	275MIN	30	





PLATES/SHEETS/COILS/STRIPS/SHIMS

**STOCKHOLDER, EXPORTER & SUPPLIER OF
PLATES/SHEETS/ COILS/SHIMS FROM REPUTED MILLS
ALL OVER THE GLOBE.**



Stainless & Duplex Steel Sheet and Plates

Grade : Duplex 2205, LDX 2101, Super Duplex 2507, Zeron 100, Duplex2304, AL-6XN, 904/L, 254 SMO, 253 MA®, 321, 409, 330, 347, 309/S, 310/S, 317/L, 304, 304/L, 304H, 316/L, 316H, 333, 410/S, 430, 15-5PH, 17-4PH, 17-7PH, Alloy 20

Specifications :- DUPLEX 2205, UNS S31803, S32205

Range :

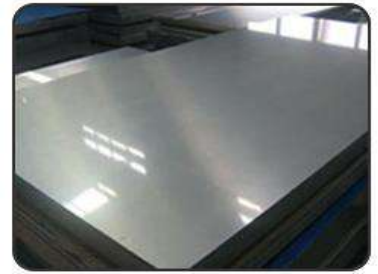
0.1 mm to 100 mm thick upto 2500 mm width & upto 8000 mm length available with NACE MR 01-75s.

Stainless Steel :

ASTM / ASME SA 240 304 , 304L , 304H, 309S , 309H, 310S , 310H , 316 , 316H , 316L , 316 TI , 317 , 317L , 321 , 321H , 347 , 347 H , 409 , 410 , 410S , 430

Duplex Steel :

ASTM / ASME SA 240 UNS NO. S 31803 , S 32205 , S 32550 , S 32750 , S 32760.



Carbon & Alloy Steel Sheet and Plates

Range :

3 mm to 100 mm thick in upto 2500 mm width upto 12500 mm length available with NACE MR 01-75s

Carbon Steel :

ASTM / ASME A 516 / 517 GR. 60 / 70 , IS 2062 , IS 2002

Alloy Steel :

ASTM / ASME A 387 GR F 5, F 9 , F 11 , F 12 , F 22 , F 91.



Nickel & Copper Alloy Sheet and Plates

Sheet and Plates Range :

5 mm to 100 mm thick in upto 2500 mm width & upto 6000 length available with NACE MR 01-75s.

Grades: Nickel 200 (UNS No.2200), Nickel 201 (UNS No.2201), Nickel 205 (UNS NO.2205)

Copper Grades: CU-NI-70/30 (UNS No C71500)

Nickel Alloy :

ASTM / ASME SB 162 UNS 2200 (NICKEL 200) / UNS 2201 (NICKEL 201)

ASTM / ASME SB 127UNS 4400 (MONEL 400)

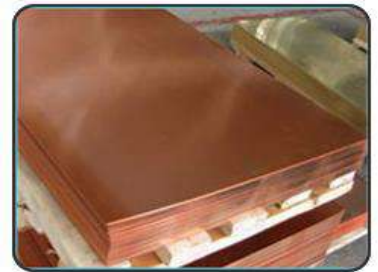
ASTM / ASME SB 424 UNS 8825 (INCONEL 825)

ASTM / ASME SB 168UNS 6600 (INCONEL 600) / UNS 6601 (INCONEL 601)

ASTM / ASME SB 443 UNS 6625 (INCONEL 625)

ASTM / ASME SB 574 UNS 10276 (HASTALLOY C 276)

ASTM / ASME SB 462 UNS 8020 (ALLOY 20 / 20 CB 3)



HASTALLOY Sheet and Plates

Sheet and Plates Grades : C276(UNS N10276), C22(UNS N06022), b-2(UNS N010665), b-3(UNS N010675), X(UNS N06002)

Range : 0.1 MM to 50 MM

Form: HASTALLOY Sheet

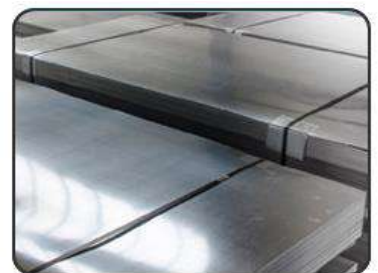
HASTALLOY Coil

HASTALLOY Strips

HASTALLOY Plates

HASTALLOY Circle

HASTALLOY Ring



Inconel Sheet and Plates Sheet and Plates

Grades : 600(UNS N06600), 601(UNS N06601), 625(UNS N06625), 718(UNS N07718)

Range : 0.1 MM to 50 MM

Standard : ASTM / ASME SB 168, ASTM / ASME SB 424 , ASTM / ASME SB 443



Incoloy Sheet and Plates

Sheet and Plates Grades: Incoloy 800(UNS N08800), Incoloy 800H / HT (UNS N08810), Incoloy 825 (UNS N08825)<

Range: 0.1 MM to 50 MM

Standard: ASTM B407, ASTM B829, ASTM B514, ASTM B775, ASTM B515, ASTM B751



Monel Sheet and Plates

Sheet and Plates Grades: K400 (UNS N04400), K500(UNS N05500), R-405 (UNS N04405)

Range: 0.1 MM to 50 MM



Aluminum Sheet and Plates

Width: 1000 MM TO 1500 MM

Thickness: 0.5 MM TO 250 MM

Length: 1000 MM TO 6000 MM

Temper: O, H16, H18, H22, H24, H26, H0.

Grade: 1100, 2024 , 2124 , 3003, 5052 , 5083, 5086, 6013, 6061, 7050, 7075, 7475.

Type: Sheet, Plates, Coils, Flat, Strips, Profile, Blank ,Circle, Ring etc.

Finish: Hot rolled plate (HR), Cold rolled sheet (CR), 2B, 2D, BA NO(8), SATIN (Met with Plastic Coated)

Form: Coils, Foils, Rolls, Plain Sheet, Strip, Flats, Blank (Circle), Ring (Flange) etc.



Titanium Sheet and Plates

Sheet and Plates Specifications

- 1) Hot and cold rolled, Gr1~Gr23
- 2) Thickness: 0.3mm - 60mm
- 3) Length: 6000mm
- 4) ASTM B265, ASTM 4911, F67, F136

Material: Titanium and titanium alloys

Pure Titanium Grade: GR1, GR2, GR3, GR4

Titanium Alloy Grade: GR5 (6% Al, 4%V)

GR6 (5% Al, 2.5%Sn)

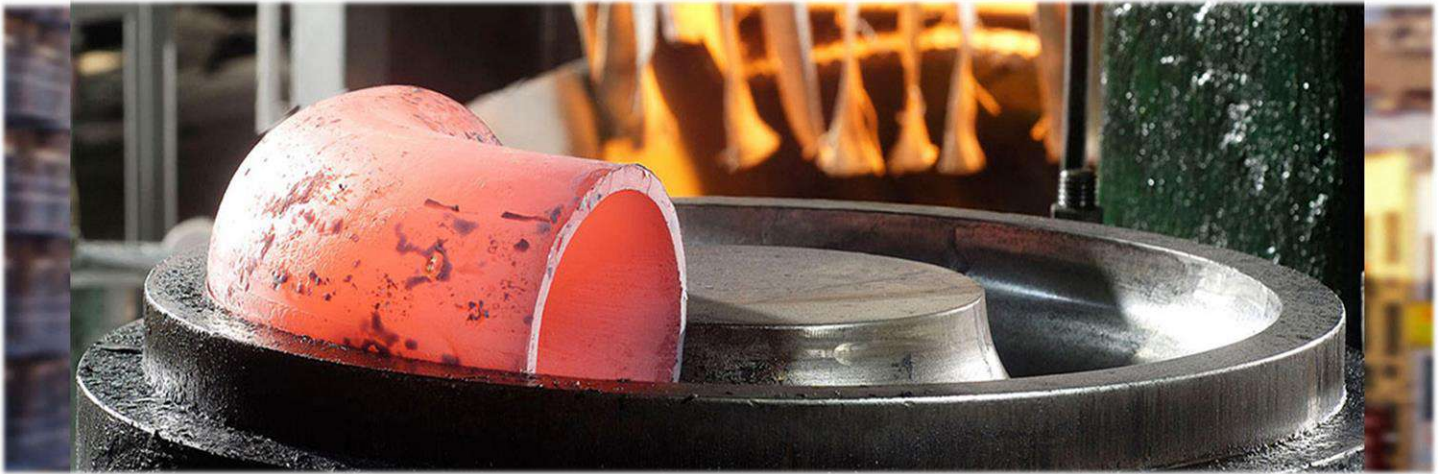
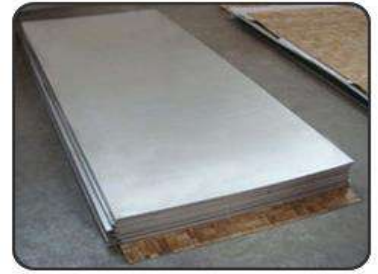
Gr.7 (Titanium + Pd)

Gr.9 (3% Al, 2.5%V)

Gr.10 (11.5%Mo, 6% Zr, 4.5% Sn)

Gr.11 (Titanium + Pd)

Gr.12 (0.3% Mo, 0.8% Ni)



BUTT WELD FITTING MANUFACTURER & EXPORTER



Butt-weld Fitting accomplish a lot of admiration by our clients owing to its high strength, dimensional correctness, high tension power, corrosion resistant and consistency. These products are used in various commercial, industrial and automobile industries. We manufacture these fittings using high grade of raw material by implementing most ultra-modern technology. These products are clients can avail from us at various sizes, shapes and design as per the requirements.

Stainless & Duplex Steel Butt weld Fittings

Grade : Duplex 2205, LDX 2101, Super Duplex 2507, Zeron 100, Duplex2304, AL-6XN, 904/L, 254 SMO, 253 MA®, 321, 409, 330, 347, 309/S, 310/S, 317/L, 304, 304/L, 304H, 316/L, 316H, 333, 410/S, 430, 15-5PH, 17-4PH, 17-7PH, Alloy 20

Range : 15 NB UP TO 1200 NB IN SCH 5S , 10S ,10, 20 , 40S , 40 , STD , 60 , 80S , 80 , XS , 100 , 120 , 140 , 160 & XXS.

Form : Seamless & Welded Long Radius & Short Radius Elbow 90 Deg , Long Radius Elbow 45 Deg ,Long Radius & Short Radius Elbow 90 Deg , Long Radius Elbow 45 Deg , Long Radius & Short Radius Elbow 180 Deg (Return Bend) , Reducing Elbow , Equal Tee , Un Equal Tee, Crosses , Concentric Reducer , Eccentric Reducer , Long Stub end , Short Stub end , Collar , Pipe Cap , Long Radius Bends R =3 D , 5 D , 6 D , 8 D ,10 D & 20 D In 15 Deg ,30 Deg, 60 Deg & 90 Deg And Drawing Based Butt Weld Fitting (Customized).



Stainless Steel: ASTM / ASME SA 403 GR WP "S" / "W" / " WX" 304 , 304L ,304H, 304N , 304LN , 309, 310H , 316 , 316H , 317 , 317L , 321 , 321H , 347 , 347 H

Duplex Steel: ASTM / ASME SA 815 UNS NO.S31803 , S 32205 , S 32550 , S 32750 , S 32760.

Carbon & Alloy Steel Butt weld Fittings

Range :

15 NB UP TO 1200 NB IN SCH 5S , 10S ,10, 20 , 40S , 40 , STD , 60 , 80S , 80 , XS , 100 , 120 , 140 , 160 & XXS.

Form : Seamless & Welded Long Radius & Short Radius Elbow 90 Deg , Long Radius Elbow 45 Deg ,Long Radius & Short Radius Elbow 90 Deg , Long Radius Elbow 45 Deg , Long Radius & Short Radius Elbow 180 Deg (Return Bend) , Reducing Elbow , Equal Tee , Un Equal Tee, Crosses , Concentric Reducer , Eccentric Reducer , Long Stub end , Short Stub end , Collar , Pipe Cap , Long Radius Bends R =3 D , 5 D , 6 D , 8 D ,10 D & 20 D In 15 Deg ,30 Deg, 60 Deg & 90 Deg And Drawing Based Butt Weld Fitting (Customized).



Carbon Steel: ASTM / ASME A 234 WPB, WPC ASTM / ASME A 860 WPHY 42, WPHY 46 , WPHY 52 , WPH 60 , WPHY 65 & WPHY 70 .

Alloy Steel: ASTM / ASME A 234 WP 1, WP 5, WP 9, WP 11, WP 12, WP 22, WP 23, WP 91

Nickel & Copper Alloy Butt weld Fittings

Range : 15 NB UP TO 1200 NB IN SCH 5S , 10S ,10, 20 , 40S , 40 , STD , 60 , 80S , 80 , XS , 100 , 120 , , 160 & XXS

Grades: Nickel 200 (UNS No.2200), Nickel 201 (UNS No.2201), Nickel 205 (UNS NO.2205)

Form: Reducer/ Elbow/ Stainless steel.

Nickel Alloy:

ASTM / ASME SB 163 UNS 2200 (NICKEL 200)

ASTM / ASME SB 163 UNS 2201 (NICKEL 201) ,

ASTM / ASME SB 163 / 165 UNS 4400 (MONEL 400)

ASTM / ASME SB 464 UNS 8020 (ALLOY 20 / 20 CB 3) ,

ASTM / ASME SB 704/705 UNS 8825 INCONEL (825)

ASTM / ASME SB 167 / 517 UNS 6600 (INCONEL 600)

ASTM / ASME SB 167 UNS 6601 (INCONEL 601) ,

ASTM / ASME SB 704 /705 UNS 6625 (INCONEL 625)

ASTM / ASME SB 619/622/626 UNS 10276 (HASTELLOY C 276)



Copper Alloy:

ASTM / ASME SB 111 UNS NO. C 10100 , 10200 , 10300 , 10800 , 12000,12200, 70600 , 71500 .

ASTM / ASME SB 466 UNS NO. C 70600 (CU -NI- 90/10) , C 71500 (CU -NI- 70/30)

Hastalloy Butt weld Fittings

Grades : C276(UNS N10276), C22(UNS N06022), b-2(UNS N010665), b-3(UNS N010675), X(UNS N06002)

Standards: ASTM / ASME SB 336 & XXS

Types:

Bend (Long & Short)

Elbow (180 Deg., 90 Deg. & 45 Deg.)

Tee (Equal & Unequal)

Reducer (Concentric & Eccentric)

CAP, Stub end (Long & Short)

Nipple (Barrel)

**Inconel Butt weld Fittings**

Grades: 600(UNS N06600), 601(UNS N06601), 625(UNS N06625), 718(UNS N07718)

Range: 15 NB UP TO 600 NB IN SCH 5S, 10S, 10, 20, 40S, 40, STD, 60, 80S, 80, XS, 100, 120, 140, 160 & XXS

Types: Elbow 90 Deg, Elbow 45 Deg, Elbow 180 Deg, long/short radius elbows, equal/unequal tees, concentric/eccentric reducers, caps, crosses, short/long neck stub-ends



Email: sales@we-lock.in

Incoloy Butt weld Fittings

Grades: Incoloy 800(UNS N08800), Incoloy 800H / HT (UNS N08810), Incoloy 825 (UNS N08825)

Standards: ASTM B366

Types:

Bend (Long & Short)

Elbow (180 Deg., 90 Deg. & 45 Deg.)

Tee (Equal & Unequal)

Reducer (Concentric & Eccentric)

CAP, Stub end (Long & Short)

Nipple (Barrel)

**Monel Butt weld Fittings**

Grades: Monel K400(UNS N04400), K500(UNS N05500), R-405 (UNS N04405)

Range: 1/2" NB to 36" NB

Types: long/short radius elbows, equal/unequal tees, concentric/eccentric reducers, caps, cross, short/long neck stub-ends,

**Titanium Butt weld Fittings**

Grades: Grade 1, Grade 2, Grade 3, Grade 4, Grade 5, Grade 7, Grade 9, Grade 23

Range: 15 NB To 600 NB in Sch.:5, 10, 20, 40, 80, 120, 160, XS, XXS.

Types:

Bend (Long & Short)

Elbow (180 Deg., 90 Deg. & 45 Deg.) Tee (Equal & Unequal)

Reducer (Concentric & Eccentric)

CAP, Stub end (Long & Short)

Nipple (Barrel)



ROUND/HOLLOW/HEXAGONAL BARS



Stainless & Duplex Steel Round Bars

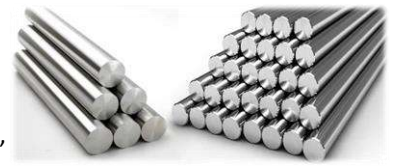
Grade: Duplex 2205, LDX 2101, Super Duplex 2507, Zeron 100, Duplex2304, AL-6XN, 904/L, 254 SMO, 253 MA®, 321, 409, 330, 347, 309/S, 310/S, 317/L, 304, 304/L, 304H, 316/L, 316H, 333, 410/S, 430, 15-5PH, 17-4PH, 17-7PH, Alloy 20

Range: 3.17 MM TO 350 MM DIA

Stainless Steel :

ASTM / ASME SA 276 TP 304 , 304L , 309S , 309H, 310S , 316 , 316L , 316 TI , 317 , 321 , 347 , 410 , 420 , 430 , 431 , 440A , B & C . , 446 ASTM / ASME SA 479 TP 304 , 304L , 304H, 309S , 309H, 310S , 310H , 316 , 316H , 316L , 316 TI , 317 , 321 , 321H , 347 , 347 H , 410, 430 , 431 & 444.

Duplex Steel: ASTM / ASME SA 276 UNS NO. S 31803 , S 32205 , S 32550 , S 32750 , S 32760.



Carbon & Alloy Steel Round Bars

Range: 1 MM TO 350 MM DIA

Carbon Steel: ASTM / ASME A 105

Alloy Steel : MS, SAE 1018, IS 2062, A-105, SAE 1008, SAE 1010, SAE 1015, C15, C18, C20, 1020, C22, 1022, C25, 1025, C30, 1030, C35, 1035, 35C8, S35C, C40, 1040, C45, 45C8, 1045, CK45, C50, 1050, C55, 55C8, 1055, C60, 1060, C70, 41Cr4, 40Cr4, 40Cr1, En18, En18D, SAE 1541, SAE 1536, 37Mn2, 37C15, En15, SAE 1141, LF2, EN19, SAE 4140, 42CrMo4, EN24, EN31, SAE 52100, 20MnCr5, 8620, EN1A, EN8, EN8D, EN9, ST 52.3, EN42, En353

Nickel & Copper Alloy Round Bars

Range: 3.17 MM TO 350 MM DIA

Nickel Alloy

Grades : Nickel 200 (UNS No.2200), Nickel 201 (UNS No.2201), Nickel 205 (UNS NO.2205)

Copper Grade : CU-NI-70/30 (UNS No C71500), PB1,PB2,PB104, Aluminum Bronze

ASTM / ASME SB 160 UNS 2200 (NICKEL 200) / UNS 2201 (NICKEL 201)

ASTM / ASME SB 164 UNS 4400 (MONEL 400)

ASTM / ASME SB 425 UNS 8825 (INCONEL 825) ASTM / ASME SB 166 UNS 6600 (INCONEL 600) / UNS 6601 (INCONEL 601)

ASTM / ASME SB 446UNS 6625 (INCONEL 625)

ASTM / ASME SB 574 UNS 10276 (HASTALLOY C 276)

ASTM / ASME SB 472 UNS 8020 (ALLOY 20 / 20 CB 3)



Hastalloy Round Bars

Grades: C276(UNS N10276), C22(UNS N06022), b-2(UNS N010665), b-3(UNS N010675), X(UNS N06002)

Range: 3.1 MM to 350 MM

Type :

Hastalloy Round Bar

Hastalloy Bright Bar

Hastalloy Polish Bar

Hastalloy Black Round Bar

Hastalloy Forged Bar

Hastalloy Forged Round Bar

Hastalloy Hex Bar

Hastalloy Forged Hex Bar



Hastalloy Flat Bar

Hastalloy Rod

Inconel Round Bars

Grades : 600(UNS N06600), 601(UNS N06601), 625(UNS N06625), 718(UNS N07718)

Sizes : 1mm to 200mm diameter

Type : Bars, Rods, wire

Standard : ASTM, ASME, API, AISI, BS, ANSI, DIN, JIS, MSSP, NACE



Aluminum Round Bars

Specification:

Range 5mm to 350mm Dia

Length 100mm to 6000mm

Grade 2A12,1214, 2024, 2014, 2A14, 2A50, 3003, 4032, 5052, 5056, 5082, 5083, 5754 , 6060, 6061, 6063, 6005, 6082, 6A02, 7005, 7A04,7075,7A09, K70, G77, AHS , 19000, 19500, 19501, 19600, 19700, etc

Temper F, O, R, T4, T5,T6,T651,T731, H, etc

Finish Bright, Polish & Black

Form Round, Square, Hex (A/F), Rectangle, Wire (Coil Form), Wire-mesh, Billet, Ingot, Forging Etc.



Incoloy Round Bars

Grades: Incoloy 800, incoloy 825, Incoloy 925, Incoloy a-286, Incoloy DS

Standard: ASTM B408, AMS 5766, ISO 9723, ISO 9724, BS 3076NA15, BS 3075NA15, EN 10095, VdTÄ¼V 412 & 434

Type:

Round Bar

Bright Bar

Polish Bar

Black Round Bar

Forged Bar

Forged Round Bar

Hex Bar

Forged Hex Bar

Flat Bar

Rod



Copper Alloys Round Bars

Grades: UNS CDA 102, SAE J461, ASTM B152, ASTM B187, ASTM B272, CDA 110 ETP, SAE J461, ASTM B124, ASTM B152, ASTM B187, ASTM B188, ASTM B272, CDA 120, SAE J461.

Quality Tests & Inspections

WELOK STEEL INDUSTRIES is highly appreciated by customers for its superior quality products. The company is accredited with ISO 9001 & pledges to follow the laid down procedures & norms religiously, in all spheres & activities of business management, to manufacture products in absolute conformance to internationally accepted standards, codes & practices. The following quality tests & inspections are carried out to ensure strict adherence to customers' quality requirements.



IMPACT TESTING MACHINE



200 TON Tensile Testing Machine



60 Ton Tensile testing machine



Brinell Hardness tester



Micro Vickers Hardness tester from Future tech Japan



PMI TESTING XRF ALLOY ANALYZER



Product	Process of Manufacturing	Quality Tests	
		Mandatory Testing	Additional Testing (As per Client's Requirements)
Seamless Butt Weld (BW) Fittings	a) Conventional Sand Filling b) Mandrel c) Cold Hydro Forming	Chemical	Impact Test : V - Notch& Charpy
		Tensile	Hydro /Leak Proof Test - Pipes Only
		Hardness	IGC - (SS Materials Only)
		Ultrasonic Testing (UT)	Macro Test
		Dye Penetrant Test (DP)	Ferrite Test
		Magnetic Particle Inspection (MPI)	Grain Size Test (SS Materials only)
		PMI (For AS & SS Materials only)	
		Moly Test (SS Materials only)	
Welded Butt Weld (BW) Fittings	Welding	Chemical	Impact Test : V - Notch & Charpy
		Tensile	IGC - (SS Materials only)
		Hardness	Micro Test
		Radiography Testing (RT)	Macro Test
		Ultrasonic Testing (UT)	Ferrite Test
		Dye Penetrant Test (DP)	Grain Size Test (SS Materials only)
		Magnetic Particle Inspection (MPI)	Bend Test
		PMI (For AS & SS Materials only)	Hydro Test
		Moly Test (SS Materials only)	
Socket Weld & Screwed Fittings	Forging	Chemical	Impact Test : V - Notch & Charpy
		Hardness	IGC - (SS Materials only)
		Ultrasonic Testing (UT)	Macro Test
		Magnetic Particle Inspection (MPI)	Ferrite Test
		PMI (For AS & SS Materials only)	Grain Size Test (SS Materials only)
		Moly Test (SS Materials only)	
Flanges	Forging	Chemical	Impact Test : V - Notch & Charpy
		Hardness	IGC - (SS Materials only)
		Ultrasonic Testing (UT)	Macro Test
		Magnetic Particle Inspection (MPI)	Ferrite Test
		PMI (For AS & SS Materials only)	
		Moly Test (SS Materials only)	
Flanges	From Plates	Chemical	Impact Test : V - Notch & Charpy
		Hardness	IGC - (SS Materials only)
		Ultrasonic Testing (UT)	Macro Test
		Magnetic Particle Inspection (MPI)	Ferrite Test
		PMI (For AS & SS Materials only)	
		Moly Test (SS Materials only)	
Bends	Induction Bending	Chemical	As per Client's Requirement
		Hardness	
		For Welded - Radiography Testing (RT)	
		For Welded - Dye Penetrant Testing (DP)	
		For Seamless - Magnetic Particle Inspection (MPI)	
		PMI (For AS & SS Materials only)	
		Moly Test (SS Materials only)	



WELOK STEEL INDUSTRIES

Pipe • Fittings • Flanges • Fasteners



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