



JAITI STEEL
& ENGINEERING CO.

Performance, Quality & Trust



Steel Tube, Pipe

Fittings, Flanges

Unions, Joints, Valves, Crosses

Hallow Sections **Plates, Sheets & Coils**

Round Bars

Fabrication Works



TO KNOW MORE
ABOUT OUR COMPANY
PLEASE SCAN THE QR
CODE AT THE LEFT

www.jaitisteel.com

“ Infinite,
The possibilities
we aspire ”

Jaiti Steel & Engineering Co. is the stockiest, exporter and supplier of Pipe, Fittings, Flanges, Valves, Round bars and Piping components to the oil gas, petrochemical, construction, energy and industrial markets around the world.

Company supplies in various grades & specification of Stainless Steel, Carbon Steel, Alloy Steel, Duplex Steel, Hastelloy, Inconel, Monel, Cu-Ni, in various size.

Our basic objective of developing business both in India and abroad by maintaining the quality of the products, ensuring price competitive and enhancing service standards still remain the same.

We Would Appreciate To Get Your Esteemed Enquires And Look Forward To The Pleasure Receiving Your Valuable Response. we Are Regularly Supplying These Items To Many Leading Industrial Units Consisting Of : Ship Building, Petrochemical Plants, Steel Plants, Refineries, Chemicals, Fertilizers, Power Plant, Pharmaceutical, Ports, Oil & Gas, Railway, Mining, Cement Plants, Paper Mills, Sugar Mills, Fabrication Units Etc.

We would like to establish business relations with reputed concern like yours. We assure you that you will certainly find in our products quality and rate most competitive at right time with excellent services. Your satisfaction is the award for our good quality and service.

Vision

To become an enterprising organization in the field of Pipes & Tubes, Fittings, Flanges & Plates products. To be known for quality of products and excellent Services.

Mission

To satisfy our client's needs by providing high quality products at competitive price as per the schedule and to maintain long term relationship with our clients.



**JAITI STEEL
& ENGINEERING CO.**

Performance, Quality & Trust

“ Quality, Our mantra
to Win Clients ”

Quality Assurance begins at the raw material stage itself. Material is inspected for chemical composition and tested for other parameters like mechanical properties, guage variation etc. for a total evaluation of the raw material to ascertain its suitability for the intended end-use-applications. At the surface-pickling operations, the material is checked for surface finish before it is fed into the tube mills.

At the tube mills, each product for the customer is processed according to the norms sequenced by the process control engineers based on stringent international standards and monitored through uncompromising quality control tests of every stage.

Towards this purpose, the engineers are guided by the latest equipment at our R&D centre where weld as well as parent materials & soundness is checked by conducting various tests such as yield, tensile, drift expansion, flattening, bend, impact test, etc, that include Leco Carbon apparatus, scanning electron microscope, atomic absorption emission spectrophotometer, universal microscope and micro hardness tester. These facilitate all the required metallurgical tests on the materials.

1

STOCK AVAILABILITY

Our procurement strategy is geared to maximising availability and reducing risk of loss through downtime. You can be confident we will always have the part you need, sourced from our extensive international network.

2

STAFF EXPERTISE

We don't employ order takers; we employ problem solvers. Our technical sales team is the most experienced in the industry and they have an intimate understanding of our products and how they're used.

3

SERVICE COMMITMENT

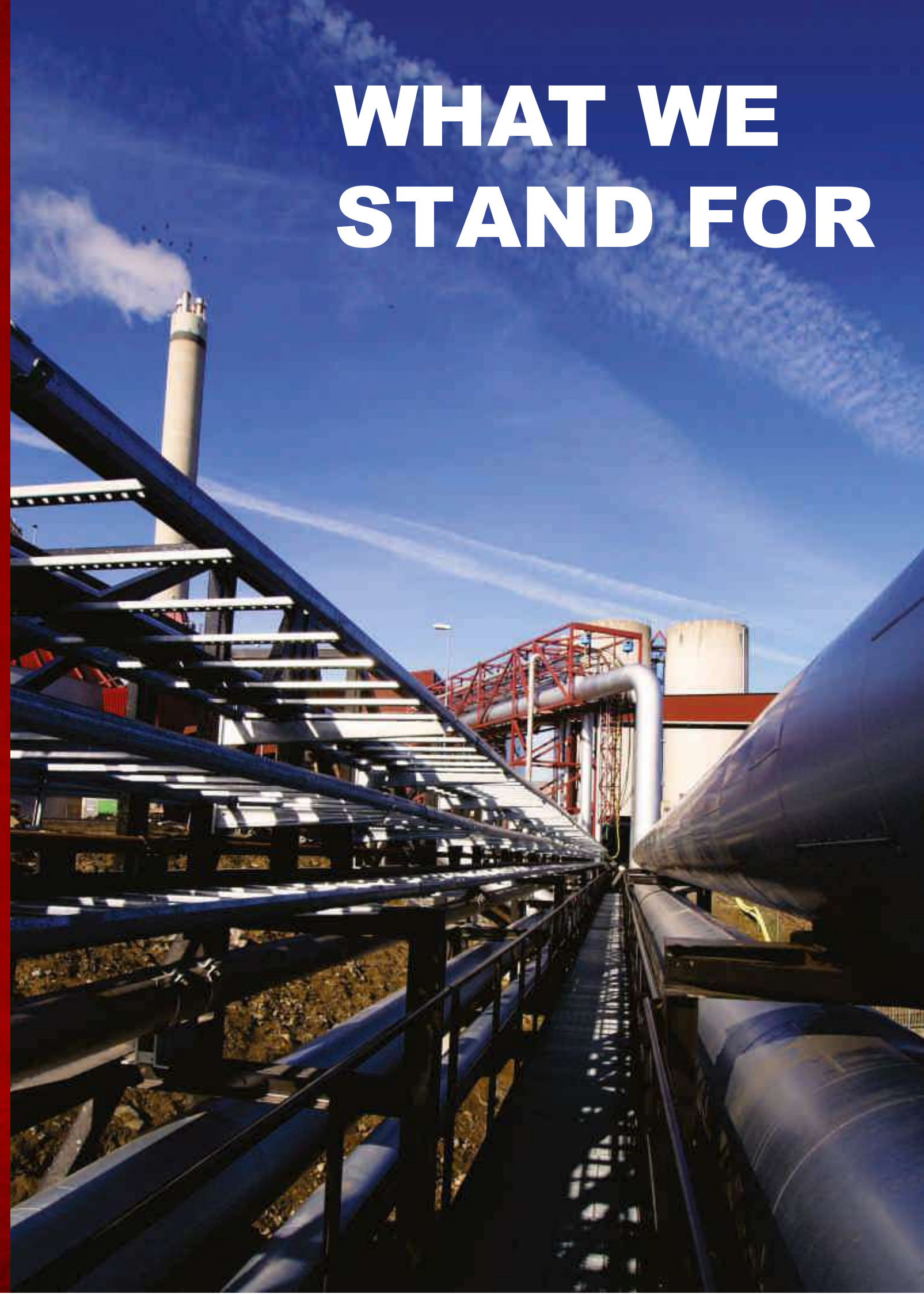
We put the same priority on each job as you do. We value our client relationships and empower our staff to use their initiative. Whether it's on the phone or in person, we never say no to a request or a challenge.

4

STAFF EXPERTISE

In accordance with our ideals, we may supply or export our products to any country in the world using the best shipping services.

WHAT WE STAND FOR



“ State of the Art Pipe & Tubes Making Technology ”

Grades

API 5L Pipes : B, X42, X46, X52, X56, X60, X65, X70, X80, X100, PSL 1, PSL 2, Sour Service, Offshore

Carbon & Alloy Steel Pipes

: ASTM A106, - GR A / GR B / GR C, ASTM A333 - GR 3, GR 6, ASTM A335 - P5, P9, P11, P12, P91, Din St 33, St 34.2, St 35, St 35.8, St 37.0, St 37.2, St 37.4, St 44, St 44.2, St 44-3N, St 44.0, St 45.8, St 52.0, St 52.3, St 52-3N

Welded Pipes : ASTM A671, A672, A691

Seamless Pipes : ASTM A312 - TP 304, 304L, 304H, 309S, 310S, 310H, 316, 316L, 316H, 316Ti, 317L, 321, 321H, 347, 904L

Copper Nickel Pipes Cu-Ni 70-30, Cu-Ni 90-10, Copper Pipe

High Nickel Alloy Pipes: **Pipe : SMLS / Welded**

B161, B725, B167, B517, B444, B705, B407, B514, B423, B622, B619, B729, B464, B677, B673

Tube : SMLS / Welded

B163, B730, B444, B704, B516, B515, B622, B626, B729, B468, B677, B674

Hastelloy C-22, Hastelloy C-276, Alloy 20, Monel -400, Monel K-500, Inconel 600, Inconel 625, Inconel 725, Inconel 800H, Inconel 800 HT, Inconel 825, Nickel 200, Titanium Gr.2, Titanium Gr.5



PIPES & TUBES

ASTM Pipes

PIPES CONFORMING TO ASTM A -53 GR A & B

DN	Outside Diameter	Wall Thickness	Mass of Plain End Pipe	Test Pressure	
				Grade A	Grade B
	mm	mm	Kg / mtr	Kpa x 1000	Kpa x 1000
15	21.3	2.77	1.27	4.8	4.8
20	26.7	2.87	1.69	4.8	4.8
25	33.4	3.38	2.5	4.8	4.8
32	42.2	3.56	3.39	8.3	9.0
40	48.3	3.68	4.05	8.3	9.0
50	60.3	3.91	5.44	15.9	17.2
65	73.0	5.16	8.63	17.2	17.2
80	88.9	5.49	11.29	15.3	17.2
90	101.6	5.74	13.57	14.0	16.3
100	114.3	6.02	16.07	13.1	15.2
125	141.3	6.55	21.77	11.5	13.4
150	168.3	7.11	28.26	10.5	12.3
200	219.1	8.18	42.55	9.2	10.8
250	273.0	9.27	60.29	8.4	9.9
300	323.8	9.52	73.78	7.31	8.5
350	355.6	9.52	81.25	6.6	7.7
400	406.4	9.52	93.17	5.8	6.8

Tolerances

Outside Diameter	Pipe size upto & including DN 40 Pipe size DN 50 or larger	+ / - 0.4 mm + / - 1%
Thickness		- 12.5% (max).
Weight		+ / - 10%
Galvanizing		
Minimum Average		490g/Sq Mtr. 550g/Sq Mtr.

Pipes In Customers Specified Thickness Can Also Be Supplied

STEEL TUBES CONFORMING TO DIN 2440

Nominal Size DN	Size is Inch	OD MM	Wall Thickness	Outside Diameter		Mass P. E. Tube (kg/ mtr)	Mass Socked Tube (kg/ mtr)	Outside Diameter	
				Min (mm)	Max (mm)			Min (mm)	Max (mm)
15	½	21.3	2.65	21.8	21.0	1.22	1.23	26.4	34.0
20	¾	26.9	2.65	27.3	26.5	1.58	1.59	31.8	36.0
25	1	33.7	3.25	34.2	33.3	2.44	2.46	39.5	43.0
32	1 ¼	42.4	3.25	42.9	42.0	3.14	3.17	48.3	48.0
40	1 ½	48.3	3.25	48.8	47.9	3.61	3.65	54.5	48.0
50	2	60.3	3.65	60.8	59.7	5.10	5.17	66.3	56.0
65	2 ½	76.1	3.65	76.6	75.3	6.51	6.63	82.0	65.0
80	3	88.9	4.05	89.5	88.0	8.47	8.64	95.0	71.0
100	4	114.3	4.50	115.0	113.1	12.10	12.40	122.0	83.0
125	5	139.7	4.85	140.8	138.5	16.20	16.70	147.0	92.0
150	6	165.1	4.85	166.5	163.9	19.20	19.8	174.0	92.0

Material
St. 33-2 Confirming to DIN 17100
Galvanizing in accordance with Din 2444

Tolerance	
Wall Thickness	-12.5%
Mass	
For single tube	+ / - 10%
For ten tonne lot	+ / -7.5%



“ Provides your best quality manufacturing products ”

Wire Products such as Low Carbon Steel Wires : Bright, Coppered, Annealed, Galvanized, PVC Coated.
High Carbon Steel Wires
Spring Wires

Grades

Stainless Steel Round Bars	A276 AISI 201, 303, 304, 304L, 310S, 316, 316L, 316Ti, 410, 416 420, 430F, 431, 440C, 1.4462, 1.4542(630)
Stainless Steel Flat Bars	304, 304L, 310S, 316, 316L
Stainless Steel Square Bars	303, 304, 304L, 316, 316L
Stainless Steel Hexagon Bars	303, 304, 316, 316L, 316Ti, 430F
Alloy Steel Round Bars	ASTM A182 F5, F9, F11, F12, F22, F91
EN Series	EN-1A, EN-3B, EN-8, EN-9, EN-16, EN-18, EN-19, EN-24, EN-29B, EN-31, EN-32B, EN-36, EN-36C, EN-42J, EN-45, EN-47, EN-48A, EN-100, EN-111, EN-202, EN-352, EN-353, EN-1117 Etc.
High Speed Steel (HSS),	M2, M3, M35, M42, T-1, T-4, T-15, T-42, D2, D3, H11, H13,
High Nickel Alloy	Nickel Alloy 200 (UNS No. N02200), Nickel Alloy 201 (UNS No. N02201), UNS N04400, MONEL® Alloy 400, UNS:N04400, MONEL® alloy K-500, UNS:N05500, INCONEL® 600, UNS:N06600, INCONEL® Alloy 625, UNS:N06625, INCONEL® Alloy 617, UNS:N06617, INCONEL® Alloy 718, UNS:N07718, INCONEL® Alloy X-750, UNS: N07750, INCONEL® Alloy 800, UNS:N08800, INCONEL® Alloy 825, UNS:N08825, Nickel 200, UNS:N02200, Nickel 201, UNS:N02201, HASTELLOY C22®, UNS:N10276, UNS:N10665, UNS:N06002

ROUND BARS



“ State of the Art Pipe & Tubes Making Technology ”

- Flanges** : Slip on Flanges, Blind Flanges, Weld Neck, Socket Weld, Threaded Flange, Lap Joint, Orifice, Spectacle Blind, Spades and Spacers, Anchor Flange, Swivel Ring, Nipo Flange.
- Standard** : ASTM A182 F304, F304L, F304H, F316, F316L, F316TI, F316H, F310S, F310H, F321, F321H, F317L, F904L, F347H, F11, F22, F5, F9, F91, F55, F60, ASTM A105, ASTM A350 LF2, ASTM A694 F42, F46, F52, F56, F60, F65, F70, F80
- High Nickel Alloy** : Nickel Alloy 200 (UNS No. N02200) B 564, 2.4060, 2.4066, Nickel Alloy 201 (UNS No. N02201) B 564, 2.4060, 2.4066



FLANGES

“Be proud of our work”

BUT WELD FITTINGS : ELBOW, 3D BEND, 4D BEND, 5D BEND, U BEND, CAP, CONCENTRIC REDUCER, ECCENTRIC REDUCER, EQUAL TEE, CROSS TEE, UNEQUAL TEE, CONCENTRIC SWAGE NIPPLE, ECCENTRIC SWAGE NIPPLE, PIPE NIPPLE

Butt Weld Fittings Grade : ASTM A234 WPB, WP1, WP5, WP9, WP11, WP12, WP22, WP91, ASTM A420 WPL6, ASTM A860 WPHY WPHY42, WPHY46, WPHY52, WPHY56, WPHY60, WPHY65, WPHY70, ASTM A403 WP 304, WP304L, WP304H, WP316L, WP316, WP316TI, WP321, WP321H, WP310, WP310H, WP317L, WP904L

SOCKET WELD FITTINGS : ELBOW, EQUAL TEE, UNEQUAL TEE, CROSS TEE, WELDOLET, SOCKOLET, THERDOLET, CAP, FULL COUPLING, HALF COUPLING, UNOIN, HEX NIPPLE

Socket Weld Fittings Grade : ASTM A182 F304, F304L, F304H, F316, F316L, F316TI, F316H, F310S, F310H, F321, F321H, F317L, F904L, F347H, F11, F22, F5, F9, F91, F55, F60, ASTM A105, ASTM A350 Lf2, ASTM A694 F42, F46, F52, F56, F60, F65, F70, F80

High Nickel Alloy nickel 200 nickel 201, Alloy 255, Alloy20, Alloy31 Alloy 6xn, Monel 400 Monelk500, Monel 404, Monel 400a, Monel30C, Inconel 600, Inconel 601, Inconel 625, Inconel718, Inconel 783, Inconel 690 Inconelx750, Incoloy 800, Incoloy800h, Incoloy800ht, Incoloy 825 Incoloy 901, Incoloy 925, Incoloy6mo, Incoloy 25-6mo , Hastalloy b, Hastalloyb2, Hastalloy b3, Hastalloy c4 Hastalloy c22 Hastalloyc276 Hastalloyc2000 Hastalloyx g-30, Nimonic 80a 90 263, Nickel Alloy 200 (UNS No. N02200) , 2.4066

FITTINGS



“Having experts for manufacturing.”

CARBON STEEL / ALLOY STEEL / STAINLESS STEEL / STRUCTURAL STEEL .

Standard	ASTM A167, A176, A420, A693, A480
Thickness Range of Stainless Plate	1 mm Thru 150 mm Thick Stainless Steel Plate
Common Widths of Stainless Plate Coil	48" Wide – 60" Wide – 72" Wide – 78.75 (2 Meter) wide – 84" wide – 96" wide – 120" wide & other widths upon customer request.
300 Series Stainless Steel Grades	302 – 303 – 304 – 304L – 304L Polished – 304H – 309 – 309S – 309H – 310 – 310S – 310H – 316L – 316L Polished – 317L – 317LMN – 321 – 321H – 330 – 347 347H, 904L
400 Series Stainless Steel Grades	405 – 410 – 410S – 416 – 420 – 440C
Duplex Stainless Steel Grades	LDX 2101 – Duplex 2205 – Duplex 2507
Nickel Alloy Grades Alloy	Alloy 20 – Alloy 400 – Alloy 600 – Alloy 800 – Alloy 800HT – Alloy C-276 (nickel grades may require lead time), Titanium
Carbon Steel Plates	A36, ASTM A283, ASTM A285, ASTM, IS2062 E250, Is2062 E350, IS2062 E450, A515 Gr 70, ASTM A515 Gr 60, ASTM A516 Gr 70, ASTM A516 Gr 60, ASTM A516 Gr 65, C45, EN8, ASTM A572 Gr 42



PLATES, SHEETS & COILS



FABRICATION WORK

- Hammer Union
- Swivel Joints
- Valves, Tees & Crosses
- Pressure Vessel
- Heavy Fabrication



Union 500 PSI



Union 1000 PSI



Union 2000 PSI



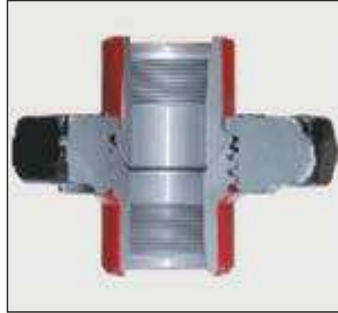
Union 2000 PSI



Union 2000 PSI



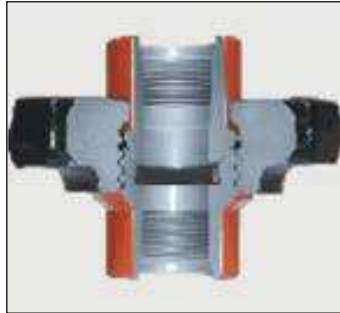
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Union 4000 PSI



Union 6000 PSI



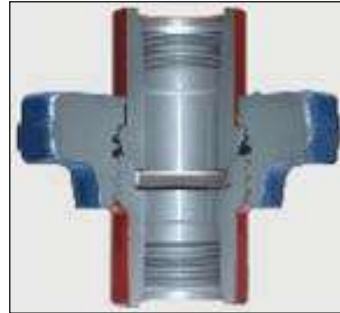
Union 6000 PSI



Union 10000 PSI



Union 10000 PSI



Union 15000 PSI



Union 2000 PSI



Union 500-6000 PSI



Union 1000-6000 PSI



Union 1000-6000 PSI

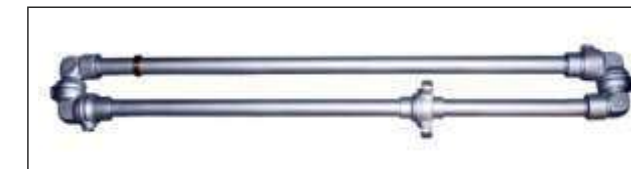
HAMMER UNION



Pub Joints



Steel Hose Assemblies



Long Radius Swivel Joints



Style No. 10
MxM Union Ends

Style No. 50
MxF Union Ends

Style No. 10
MxF Union Ends

Style No. 10
Threaded Ends

Style No. 50
Threaded Ends

SWIVEL JOINTS

Integral Fittings



Plug Valves



Check Valves



Gate Valves



Flanges, Tees & Crosses



OTHER PRODUCTS

AIR Receiver Vessel



Backwash Skid



Hot Oil Skid



Three Phase Separator



Fuel Oil System



Chemical Injection Skid



Construction Arm



Wind mill Hub

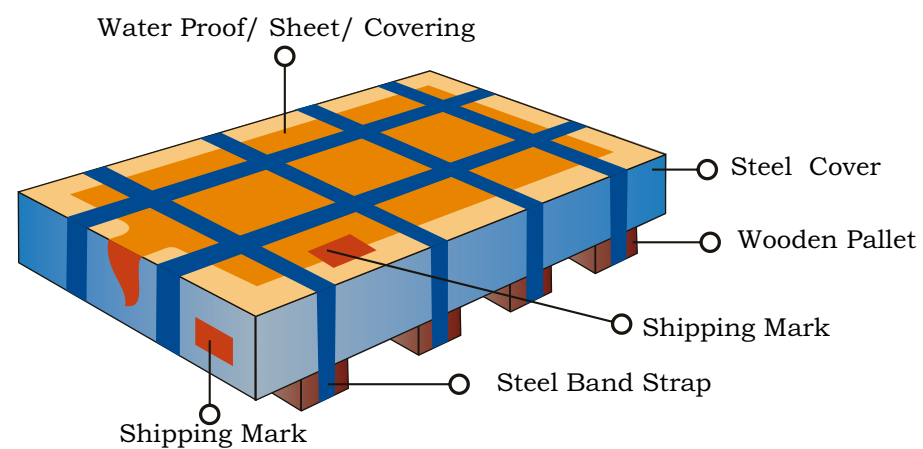


CUSTOMIZED FABRICATION

“World Class Packaging”

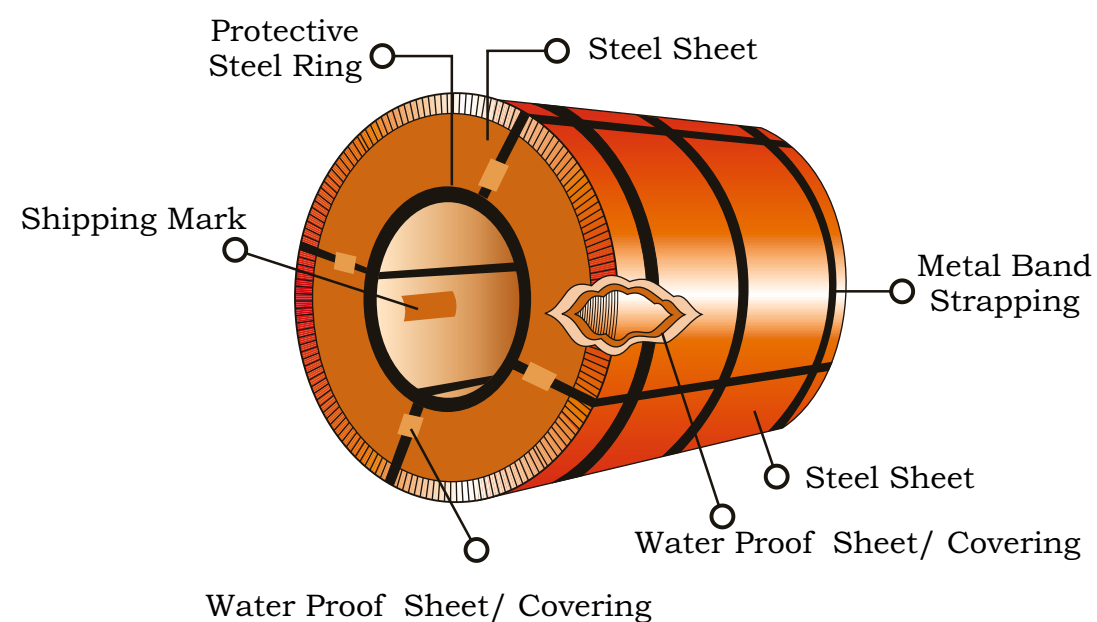
For Sheets

Sheets are wrapped in VCI/air bubble polythene and covered with GP/CR sheets by metal straps, edge protected and fastened on woodenskids.



For Coils

Each Coil is wrapped with VCI paper, covered with Galvanized sheets and edge protected. This packing is secure through three metal straps on the circumference and 4 – 5 straps through the eye of the Coil.



PACKING AS PER CUSTOMER'S REQUIREMENT CAN BE PROVIDED

“Our Products are favoured by Clients Globally”



Exports



JAITI STEEL & ENGINEERING CO.

Performance, Quality & Trust



TO KNOW MORE
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www.jaitisteel.com

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