



JSL
JINDAL STAINLESS

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BHAGWATI STEEL INDIA

www.bhagwatisteelindia.in

Mfg. Stockist, Supplier & Exports of : Stainless Steel, Sheet Pipe, Rods, Circles, Steel Plates, Pipe Fitting & All Industrial Raw Materials.





RESPECTED CUSTOMER

Sub. : Registration of Our Firm in your approved list of vendor for Suppliers of all types of Ferrous & Non-Ferrous Metals.

We Interdicted this moments to present our selves as one of the leading and largest importers, Stockiest and Suppliers of all types of Ferrous and Non-Ferrous Metals, We are also Manufacturers of Stainless Steel Pipes in all Grades Shapes and Sizes.

We have a techincal know-how in this trade and are well versed in project and maintenance suppliers to various organizations in CHEMICALS, FERTILISERS PETROCHEMICALS, NUCLER POWER, THERMAL POWDERM, CHMENT, PAPER, REFINERS etc, Catring towards their requirments, on repeat order basis, in their various manufacturing cum production programmers, with our display of quality products on convenient terms.

Any Registration formalities to be fulfilled, Please feel free to correspond, it not only be our pleasure but due respect in doing so, awaiting the oppportunity of serving your prestigious firm endmost to come.

Thanking You And Assuring Of Our Time Bound Services, At All Times.

**For, Bhagvati Steel India Ahmedabad
Namo Steel, India.**



PRODUCT RANGE

Dear Sir,

We take this opportunity to introduce ourselves as one of the leading IMPORTERS, STOCKIST & SUPPLIERS of the following materials.

1. **TATA/ZENITH/JINDAL, M.S. & G.I. ERW** Pipes as per IS 1239 & IS 3589 Fe 330/410.
2. **TATA / MSL / ISMT / IMPORTED**, origin C.S. Seamless Pipes Pipes confirming to A 106 grade B/SA 179/DIN 17175/A - 330 grade 6/API-5L and ERW / Seamless Boiler tubes as per BS 3059.
3. **C.S. / F.C.S. (A234 / A105/ G.I. (IS))** Pipe - Firing (B.W. / S.W. / Screwed) and C.S. (IS 2062) / F.C.S. (A105) Flanges (S.O. / Blind / S.W. / Weldneck IBR & Non IBR.
4. **S.S. (304 / 316 / 304L / 316L)** Welded & Seamless pipe, Tubes Confirming to A 312 / A 213 & Plates.
5. **S.S. (304 / 316)** Welded & Seamless pipe-fittings (B.W. / S.W. / Screwed) confirming to A 403/ A 182F & Flnges confirming to A240 / A 182F.
6. Polypropylene & H.D. PE. Pipe-fitting & Flanges, Polypropylene moulded ball valves, non return valves, Foot Valves, Sight Glass & Diaphragm Valves.
7. All types of ball valves in C.I. / C.C.S. / C.S.S. constructions & S.S. Sold bar stock gate, globe, check, Needle, Safety Relief, Foot, Flot & Flush Bottom Valves, C.I. Tyrose Valves, C.I Water Type check, valves, C.I. Rubberlined Flap type Non Return valves, & Diaphragm Valves, C.I. / C.C.S. Stainers, C.I. Butterfly Valves, C.I. Pulp Valves, C.I. Pinch valves, C.I. Lubricating plug valves & C.I. Foot Valves.

ALL THE ABOVE SAID ITEMS WE WILL BE PRODUCED MANUFACTURERS, IBR & GOVT. LAB TEST CERTIFICATES UNDER APPROVED BY ANY THIRD PARTY INSPECTION AGENCIES.

OUR MISSION

"Profitable growth through superior customer service, innovation, quality and commitment."

OUR VISION

"To grow continuously and become the partner of choice for customers seeking excellence in the manufacturing of steel products."

OUR VALUES

"Unity is Strength of our Progress, Your Co-ordination is a part of our developing business. To some we are glorious past, to others we are the glowing present, we are many we are one."





STAINLESS STEEL PIPE SERIES (ANSI B 3.10, B36.19)

Nominal Pipe Size Inch	Out Side Diameter ASTM	Wall Thickness And Weight											
		Sch. 5S		Sch. 10S		Sch. 40S		Sch. 80S		Sch. 160S		Sch. xxx	
1/8"	10.29	-	-	1.24	0.280	1.73	0.370	2.41	0.475	-	-	-	-
1/4"	13.72	-	-	1.65	0.498	2.24	0.643	3.02	0.808	-	-	-	-
3/8"	17.15	-	-	1.65	0.640	2.31	0.857	3.20	1.116	-	-	-	-
1/2"	21.34	1.65	0.812	2.11	1.014	2.77	1.286	3.73	1.642	4.78	1.979	7.47	2.59
3/4"	26.67	1.65	1.032	2.11	1.300	2.87	1.708	3.91	2.225	5.56	2.934	7.82	3.69
1"	33.40	1.65	1.310	2.77	2.121	3.38	2.537	4.55	3.282	6.35	4.294	9.09	5.52
1 1/4"	42.16	1.65	1.671	2.77	2.728	3.56	3.435	4.85	4.524	6.35	5.685	9.70	7.87
1 1/2"	48.26	1.65	1.923	2.77	3.150	3.68	4.101	5.08	5.484	7.14	7.339	10.16	9.68
2"	60.33	1.65	2.421	2.77	3.986	3.91	5.515	5.54	7.588	8.71	11.240	11.07	13.63
2 1/2"	73.03	2.11	3.741	3.05	5.336	5.16	8.756	7.01	11.570	9.52	15.115	14.02	20.68
3"	88.90	2.11	4.578	3.05	6.546	5.49	11.448	7.62	15.484	11.13	21.369	15.24	28.68
3 1/2"	101.16	2.11	5.248	3.05	7.514	5.74	13.756	8.08	18.891	-	-	-	-
4"	114.30	2.11	5.918	3.05	8.483	6.02	16.296	8.56	22.628	13.49	33.990	17.12	41.59
5"	141.30	2.77	9.593	3.40	11.721	6.55	22.065	9.52	31.364	15.87	49.760	19.05	58.22
6"	168.28	2.77	11.461	3.40	14.014	7.11	28.648	10.97	43.143	18.24	68.420	21.95	80.30
8"	219.08	2.77	14.979	3.76	20.240	8.18	43.129	12.70	65.526	23.01	112.790	22.23	109.40
10"	273.05	3.40	22.920	4.19	28.863	9.27	61.131	12.70	82.661	28.57	174.620	25.40	-
12"	323.82	3.96	31.669	4.57	36.477	9.52	74.810	12.70	98.790	33.32	242.010	25.40	-
14"	355.60	3.96	-	4.78	41.923	11.13	95.840	19.05	160.230	35.71	285.580	-	-
16"	406.40	4.19	-	4.78	47.993	12.70	124.990	21.44	-	40.49	-	-	-
18"	457.20	4.19	-	4.78	54.064	14.20	157.260	23.83	-	45.24	-	-	-
20"	508.00	4.78	-	5.54	69.590	15.09	185.950	26.20	-	50.00	-	-	-



SQUARE PIPE		0.80 MM	0.95 MM	1.20 MM	1.50 MM	2.00 MM
	10 X 10	1.50	1.70	2.10	2.60	X
1/2 X 1/2	12.50 X 12.50	1.80	2.20	2.70	3.30	X
	15 X 15	2.20	2.60	3.30	4.00	5.20
3/4 X 3/4	20 X 20	3.00	3.50	4.40	5.50	7.10
1 X 1	25 X 25	3.80	4.50	5.60	6.90	9.10
1 1/4 X 1 1/4	30 X 30	4.60	5.40	6.80	8.40	11.00
1 1/2 X 1 1/2	40 X 40	6.10	7.20	9.10	11.30	14.90
2 X 2	50 X 50	7.70	9.10	11.40	14.20	18.80
2 1/2 X 2 1/2	60 X 60	9.20	10.90	13.70	17.10	22.70
3 X 3	75 X 75	11.50	13.60	17.20	21.40	28.40
	80 X 80	12.30	14.60	18.40	22.90	30.40

RECTANGULAR PIPE		0.80 MM	0.95 MM	1.20 MM	1.50 MM	2.00 MM
	20 X 10	2.20	2.60	3.30	4.00	X
1 X 1/2	25 X 12	2.80	3.30	4.20	5.20	X
	30 X 20	3.80	4.50	5.60	6.90	9.10
	40 X 10	3.80	4.50	5.60	6.90	9.10
1 1/2 X 3/4	40 X 20	4.60	5.40	6.80	8.40	11.00
	50 X 10	4.60	5.40	6.80	8.40	11.00
2 X 1	50 X 25	5.80	6.90	8.60	10.70	14.10
2 X 1 1/4	50 X 30	6.10	7.20	9.10	11.30	14.90
2 1/2 X 1 1/2	60 X 40	7.70	9.10	11.40	14.20	18.80
	70 X 30	7.70	9.10	11.40	14.20	18.80
3 X 1	75 X 25	7.70	9.10	11.40	14.20	18.80
	80 X 40	9.20	10.90	13.70	17.10	22.70
4 X 2	100 X 50	11.50	13.60	17.20	21.40	28.40





STAINLESS STEEL

Stainless steel is essentially a low carbon steel which contains chromium at 10% or more by weight. It is this addition of chromium that gives the steel its unique stainless, corrosion resisting properties. The corrosion resistance and other useful properties of the steel are enhanced by increased chromium content and the addition of other elements such as molybdenum, nickel and nitrogen.

CHEMICAL COMPOSITION OF STAINLESS STEEL

Grade	Chemical Composition - Per cent									Nearest Equivalent Specification		
	AISI	C Max	Mn Max	P Max	S Max	Si Max	Cr	Ni	Mo	Other Element	I.S.	En'
201		0.15	5.5/7.5	0.06	0.03	1	16.0/18.0	3.5/5.5	-	-	-	-
202		0.15	7.5/10	0.06	0.03	1	17.0/19.0	4.0/6.0	-	-	-	-
301		0.15	2.0max	0.045	0.040	1.0	16.0/18.0	6.0/8.0	-	-	10Cr17Ni7	-
302		0.15	2.0	0.045	0.030	1.0	17.0/19.0	8.0/10.0	-	E-4-3-4%	07Cr. 18Ni9	En-58A
302HQ		0.03	2.0	0.045	0.03	1	17.0/19.0	9.0/10.0	-	CU: 3.4.0	-	-
303		0.15	2.0	0.045	0.15min	1.0	17.0/19.0	8.0/10.0	-	E-4-1% max	15Cr18Ni9	EN-58M
303FHS		0.15	2.0	0.02	0.3-0.33	1	17.0/19.0	8.0/10.0	-	CU:1% max	-	-
304		0.08	2.0	0.045	0.030	1.0	18.0/20.0	8.0/10.0	-	-	04Cr18Ni10	En-58E
304L		0.030	2.0	0.045	0.030	1.0	18.0/20.0	8.0/12.0	-	-	02Cr18Ni11	-
304H.C.		0.05	2.0	0.040	0.03	1	18.0/20.0	8.5/9.5	-	CU:2-2.50	-	-
308		0.08	2.0	0.045	0.030	1.0	18.0/21.0	10.0/12.0	-	-	-	-
308LER		0.02	1.5/2.0	0.025	0.02	0.5	19.0/21.0	9.5/11.0	-	-	-	-
309		0.20	2.0 max	0.045	0.030	1.0	22.0/24.0	12.5/15.0	-	-	20Cr24Ni12	-
309LER		0.03	1.5/2.5	0.02	0.015	0.5	23.0/25.0	12.0/14.0	-	-	-	-
309S		0.08	2.0	0.045	0.030	1.0	22.0/24.0	12.0/15.0	-	-	-	-
310		0.25	2.0	0.045	0.030	1.50	24.0/26.0	19.0/22.0	-	-	10Cr25Ni12	-
310S		0.08	2.0	0.045	0.030	1.50	24.0/26.0	19.0/22.0	-	-	-	-
314		0.25	2.0	0.045	0.030	1.5to3	25.0/26.0	19.0/22.0	-	-	-	-
316		0.08	2.0	0.045	0.030	1.0	16.01/8.0	10.0/14.0	2.0/3.0	-	04Cr17Ni12Mo2	En 58H
316L		0.030	2.0	0.045	0.030	1.0	16.01/8.0	10.0/14.0	2.0/3.0	-	03Cr17Ni12Mo2	-
316LER		0.02	1.5/2.0	0.02	0.02	0.5	18.0/20.0	12.0/14.0	2.0/2.75	-	-	-
316TI		0.080	2.0	0.045	0.030	1.0	16.01/8.0	10.0/14.0	2.0/3.0	Ti5XCmin	-	-
317		0.08	2.0	0.045	0.030	1.0	18.0/20.0	11.0/15.0	3.0/4.0	-	-	-
317L		0.030	2.0	0.045	0.030	1.0	18.0/20.0	11.0/15.0	3.0/4.0	N:0.10/0.22	-	-
317N		0.08	2.0	0.045	0.03	1	18.0/20.0	11.0/15.0	3.0/4.0	N:0.10/0.22	-	-
321		0.08	2.0	0.045	0.030	1.0	17.0/19.0	9.0/12.0	-	Ti5XCmin	04Cr18Ni10Ti20	En-58C
347		0.08	2.0	0.045	0.030	1.0	17.0/19.0	9.0/12.0	-	Nb/Ta10XCmin	04Cr18Ni10Nb-40	En-58G
904L		0.02	2.0	0.045	0.035	1	19.0/23.0	23.0/28.0	4.0/5.0	CU:1-2	-	-
410		0.15	1.00	0.04	0.03	1.0	11.50/13.5	0.60	-	-	12Cr13	En-56A
416		0.15	1.25	0.06	0.15min	1.0	12.0/14.0	1.25/2.50	-	-	-	-
420		0.15min	1.0	0.04	0.03	1.0	12.0/14.0	0.60	-	-	-	En-56C&D
430		0.12	1.0	0.04	0.03	1.0	16.0/18.0	0.60	-	-	07Cr17	En-60
430L		0.03	1.0	0.04	0.03	1.0	16.0/18.0	0.60	-	-	-	-
430F		0.12	1.25	0.06	0.15min	1.0	16.0/18.0	0.60	-	-	-	-
431		0.2	1.0	0.04	0.03	1.0	15.0/17.0	1.25/2.5	-	-	-	En-57
17.4PH		0.07	1.0	0.04	0.03	1.0	15.0/17.0	3.0/5.0	-	NB:0.15/0.45	-	-
1905		0.03	1.2/1.8	0.04	0.03	1.2/2	18.0/19.0	4.3/5.2	2.5/3	N:0.50/0.10	-	-
2205		0.03	2	0.03	0.02	1.0	21.0/23.0	4.5/6.5	2.5/3.5	N:0.8/0.20	-	-
2506		0.08	1.0	0.04	0.03	0.75	26.0/28.0	4/5	1.3/2	-	-	-



PRODUCT



SHEETS, PLATES & COILS :

- Grades** : 304, 304L, 304H, 316, 316L, 316H, 316Ti, 321, 309, 310, 347, 409, 410, 420, 430, 904L etc.
- Types** : Foils, Shims, Cheurered Plate, Perforated Sheet, Strips, Etc.
- Finish** : HR, CR, 2D, 2B, Satin, Matt, PvC Coated etc.
- Thickness** : 0.1 mm to 125 mm
- Sizes** : Any size as per customer requirment up to 2055 mm width is possible
- Make** : Jindal, Sail, Posco, Imported
- Nickel Alloys** : Model, Inconne, Hastalloy, Nickel, Cupro Nickel, Titanium, Duplex, Super Duplex etc.

PIPES & TUBES :

- Grades** : 304, 304L, 304H, 316, 316L, 316H, 316Ti, 321, 309, 310, 347, 409, 410, 420, 430, 904L etc.
- Types** : Round, Square, Rectangular
- ASTM** : SA 312, SA 213, SA 249, SA 269, SA 270 etc.
- Sizes** : 1/4" NB - 24" NB (seamless)
1/4" NB-48" NB (ERW)
- Thickness make** : SCH 5S, SCH 10S, SCH 20S, SCH 40S, SCH 80S, SCH 120S, SCH-1605, SCH XXS
- Nickel Alloys** : Monel, Inconel, Hast Alloy, Nickel, Cupro Nickle, Titanium, Duplex, Super Duplex etc.



BUTTWELD FITTINGAS :



- Types** : 45, 90 & 180 Elbow & Bends, Equal Tee & Un Equal Tee, Short & Long Neck Stuband, Concentric & Eccentric Reducers, Pipe End Caps, Cross etc.
- Stainless Steel:** ASTM A403 Wp304, 304L, 304H, 316, 316L, 316Ti, 321, 309, 310, 347, 904L etc.
- Carbon Steel** : ASTM A234 WPB
- Alloy Steel** : ASTM A234 Wp1, Wp5, WP9.WP11, Wp22, Wp91
- Dimension** : ANSI B16.9, MSS SP-43
- Size** : 1/4" NB - 24" NB (seamless)
1/4" NB-48" NB (ERW)
- Thickness** : SCH 5S, SCH 10S, SCH 20S, SCH 40S, SCH 80S, SCH 120S, SCH 160S, SCH XXS
- Nickle Alloys** : Model, Inconel, Haslloy, Nickel, Cupro Nickel, Titanium, Duplex, Super Duplex, Etc.

FLANGES :

- Types** : Slip-on, Blind, Lap Jointm, Loose, Screwed, Socket Weld, Weld Neck, Orifice, Spectacle Blind. Threaded etc.
- Flange Facing** : Raised Face, Flate Face, Small & Large Male-Female, Small & Large Tongue * Groove, Ring Joint.
- Dimension Standard** : ANSI B 16.5 DIN Standard, JIS Standard, BS 10 Etc.
12h#, 150#, 300#, 600#, 900#, 1500#, 2500#, 3000#, 5000# & 10000#
Table D, E, F, H, ND 6, ND 10, ND 25, ND 16, ND 40, ND 64, ND 100 etc.
- Stainless Steel:** ASTM A240, ASTM A 182 F304, F304L, 304H, 316, 316L, 316H, 316Ti, 321, 309, 310, 347, 904L etc.
- Carbon Steel** : ASTM A105, IS 2002, Is 2062, A516 Gr. 70
- Alloy Steel** : ASTM A182 F1, F5, F9, F11, F12, F22, F91
- Size** : 1/4" NB to 48": NB





PRODUCT

FORGED FIRTINGS :

- Types** : 45 & 90 Elbow, Equal Tee & Un Equal Tee, Concentric & Eccentric Reducers, Union, Couplings, Caps, Cross, Bushing, Plugs, Hex Nipples, Swage Nipples, Barrel Nipples, Hose Nipples, Wedolet, Sockolet, Threadolet, Nipolat etc.
- Class** : A1500#, 3000#, 6000# & 9000#
- Size** : 1/4" NB to 4" NB (Socket Weld & threaded)



BARS, RODS & WIRES :



- Grade** : 304, 304L, 304H, 316, 316L, 316H, 316Ti, 321, 309, 310, 347, 409, 410, 420, 430, 904L etc.
- Types** : Round, Square, Rectangular, Wire, Billet, Wiremesh, Ingot, Block, Forging etc.
- ASTM** : SA 276, SA 316, SA 479, SA 482, SA 528
- Sizes** : 0.5 mm to 300 mm
- Finish** : Bright, Black & Polished
- Nickel Alloys** : Monel, Inconel, Hast Alloy, Nickel, Supro Nickle Titanium, Duplex (2205, 2507) & 17 - 4PH

CRICLES, FLATS, RINGS & PROFILES :

- Grade** : 304, 304L, 304H, 316, 316L, 316H, 316Ti, 321, 309, 310, 347, 409, 410, 420, 430, 904L etc.
- Forms** : Forging & Plate Cut
- Thickness** : 0.3 mm to 125 mm
- Sizes** : As per Customer requirement
- Nickel Alloys** : Monel, Inconel, Hast Alloy, Nickel, Cupro Nickle, Titanium, Duplex, Super Duplex etc.



ANGLES & CHANNELS :



- Grade** : 304, 304L, 304H, 316, 316L, 316H, 316Ti, 321, 309, 310, 347, 409, 410, 410, 430, 430, 904L etc.
- Thickness** : 3 mm to 16 mm
- Sizes** : As per customer requirement.
- Types** : Equal & unequal

FASTENERS :

- Types** : Nuts, Bolts, Studs, Washers, Screws, Allen Caps, Clampes etc.
- Form** : Cold Forge & Hot Forge in Form Of hex, Square, Round, Half Thread, Full Thread (as Per Threading Gauge Reqd.)
- Stainless Steel:** 304, 304L, 304H, 316, 316H, 316Ti, 321, 309, 310, 347, 904L etc.
- Size** : M2 - M33, Length : 3mm to 200 mm
- Nickel Alloys** : Model, Inconel, Hast Aloy, Nickel, Cupro Nickel, Titanium, Duplex, Super Duplex etc.





Dimensions of Forged Flanges ANSI B 16.5



Dimensions of Class 150 Flanges as per ANSI B 16.5

Nominal Pipe Size (MM) (INCH.)	Flange Dia O	Dia of Bolt Circle A	Dia of Bolt Holes D	No. of Holes	Thk of Flangs C	Die of Hub E	Length through Hub			Dia of Bore		Dia of R/F R	Depth of Socket F	Pipe Dia X	
							S/O & S/W	W/N	L/J	S/O & S/W	L/J				
							Y	Y	Y	B	B				
15	1/2	88.9	60.3	15.9	4	11.1	30.2	15.9	47.6	15.9	22.3	22.9	34.9	9.5	21.33
20	3/4	98.4	69.8	15.9	4	12.7	38.1	15.9	52.4	15.9	27.7	28.2	42.9	11.1	26.67
25	1	107.9	79.4	15.9	4	14.3	49.2	17.5	55.6	17.5	34.5	35.0	50.8	12.7	33.40
32	1 1/4	117.5	88.9	15.9	4	15.9	58.7	20.6	57.1	20.6	43.2	43.7	63.5	14.3	42.16
40	1 1/2	127.0	98.4	15.9	4	17.5	65.1	22.2	61.9	22.2	49.5	50.0	73.0	15.9	48.26
50	2	152.4	120.6	19.0	4	19.0	77.8	25.4	63.5	25.4	62.0	62.5	92.1	17.5	60.31
65	2 1/2	177.8	139.7	19.0	4	22.2	90.5	28.6	69.8	28.6	74.7	75.4	104.8	19.0	73.02
80	3	190.5	152.4	19.0	4	23.8	107.9	30.2	69.8	30.2	90.7	91.4	127.0	20.6	88.90
100	4	228.6	190.5	19.0	8	23.8	134.9	33.3	76.2	33.3	116.1	116.8	157.2	23.8	114.30
125	5	254.0	215.9	22.2	8	23.8	163.5	36.5	88.9	36.5	143.8	144.5	185.7	23.8	141.30
150	6	279.4	241.3	22.2	8	25.4	192.1	39.7	88.9	39.7	170.7	171.4	215.9	27.0	168.27
200	8	342.9	298.4	22.2	8	28.6	246.1	44.4	101.6	44.4	221.5	222.2	269.9	31.7	219.07
250	10	406.4	361.9	25.4	12	30.2	304.8	49.2	101.6	49.2	276.3	277.4	323.8	33.3	273.05
300	12	482.6	431.8	25.4	12	31.8	265.1	55.6	114.3	55.6	327.1	328.2	381.0	39.7	323.85
350	14	533.4	476.2	28.6	12	34.9	400.0	57.1	127.0	79.4	359.1	360.2	412.7	41.3	355.60
400	16	596.9	539.7	28.6	16	36.5	457.2	63.5	127.0	87.3	410.5	411.2	469.9	44.4	406.40
450	18	635.0	577.8	31.7	16	39.7	504.8	68.3	139.7	96.8	461.8	462.3	533.4	49.2	457.20
500	20	698.5	635.0	31.7	20	42.9	558.8	73.0	144.5	103.2	513.1	514.3	584.2	54.0	508.00
600	24	812.8	749.3	34.9	20	47.6	663.6	82.5	152.4	111.1	615.9	615.9	692.1	63.5	609.60

All Dimensions are in Millimeters • Flanges except Lap Joint will be furnished with (1.6mm) Raised Face, which is included in Thickness (C) and Length through Hub (Y).

Dimensions of Class 300 Flanges as per ANSI B 16.5

Nominal Pipe Size (MM) (INCH.)	Flange Dia O	Dia of Bolt Circle A	Dia of Bolt Holes D	No. of Holes	Thk of Flangs C	Die of Hub E	Length through Hub			Dia of Bore		Dia of R/F R	Depth of Socket F	Pipe Dia X	
							S/O & S/W	W/N	L/J	S/O & S/W	L/J				
							Y	Y	Y	B	B				
15	1/2	95.2	66.7	15.9	4	14.3	38.1	22.2	52.4	22.2	22.3	22.9	34.9	9.5	21.33
20	3/4	117.5	82.5	15.9	4	15.9	47.6	25.4	57.1	25.4	27.7	28.2	42.9	11.1	26.67
25	1	123.8	88.9	19.0	4	17.5	54.0	27.0	61.9	27.0	34.5	35.0	50.8	12.7	33.40
32	1 1/4	133.3	98.4	19.0	4	19.0	63.5	27.0	65.1	27.0	43.2	43.7	63.5	14.3	42.16
40	1 1/2	155.6	114.3	22.2	4	20.6	69.8	30.2	68.3	30.2	49.5	50.0	73.0	15.9	48.26
50	2	165.1	127.0	19.0	8	22.2	84.1	33.3	69.8	33.3	62.0	62.5	92.1	17.5	60.31
65	2 1/2	190.5	149.2	22.2	8	25.4	100.0	38.1	76.2	38.1	74.7	75.4	104.8	19.0	73.02
80	3	209.5	168.3	22.2	8	28.6	117.5	42.9	79.4	42.9	90.7	91.4	127.0	20.6	88.90
100	4	254.0	200.0	22.2	8	31.8	146.0	47.6	85.7	47.6	116.1	116.8	157.2	23.8	114.30
125	5	279.4	234.9	22.2	8	34.9	177.8	50.8	98.4	50.8	143.8	144.5	185.7	-	141.30
150	6	317.5	269.9	22.2	12	36.5	206.4	52.4	98.4	52.4	170.7	171.4	215.9	-	168.27
200	8	381.0	330.2	25.4	12	41.3	260.3	61.9	111.1	61.9	221.5	222.2	269.9	-	219.07
250	10	444.5	387.3	28.6	16	47.6	320.7	66.7	117.5	95.2	276.3	277.4	323.8	-	273.05
300	12	520.7	450.8	31.7	16	50.8	374.6	73.0	130.2	101.6	327.1	328.2	381.0	-	323.85
350	14	584.2	514.3	31.7	20	54.0	425.4	76.2	142.9	111.1	359.1	360.2	412.7	-	355.60
400	16	647.7	571.5	34.9	20	57.2	482.6	82.5	146.0	120.6	410.5	411.2	469.9	-	406.40
450	18	711.2	628.5	34.9	24	60.3	533.4	88.9	158.7	130.2	461.8	462.3	533.4	-	457.20
500	20	774.7	685.8	34.9	24	63.5	587.4	95.2	161.9	139.7	513.1	514.3	584.2	-	508.00
600	24	914.4	812.8	41.3	24	69.8	701.7	106.4	188.3	152.4	615.9	615.9	692.1	-	609.60

All Dimensions are in Millimeters • Flanges except Lap Joint will be furnished with (1.6mm) Raised Face, which is included in Thickness (C) and Length through Hub (Y).

Dimensions of Class 600 Flanges as per ANSI B 16.5

Nominal Pipe Size (MM)	Flange Dia O	Dia of Bolt Circle A	Dia of Bolt Holes D	No. of Holes	Thk of Flange C	Dia of Hub E	Length through Hub			Dia of Bore		Dia of R/R R	Depth of Socket F	Pipe Dia X
							S/O & S/W	W/N	L/J	S/O & S/W	L/J			
							Y	Y	Y	B	B			
15	95.2	66.7	15.9	4	14.3	38.1	22.2	52.4	22.3	22.3	22.8	34.9	9.5	21.33
20	117.5	82.5	19.0	4	15.9	47.6	25.4	57.1	25.4	27.7	28.1	42.9	11.1	26.67
25	123.8	88.9	19.0	4	17.5	54.0	27.0	61.9	26.9	34.5	35.0	50.8	12.7	33.40
32	133.3	98.4	19.0	4	20.6	63.5	28.6	66.7	28.4	43.2	43.6	63.5	14.2	42.16
40	155.6	114.3	22.2	4	22.2	69.8	31.7	69.8	31.7	49.5	50.0	73.0	15.8	48.26
50	165.1	127.0	19.0	8	25.4	84.1	36.5	73.0	36.5	62.0	62.4	92.1	17.4	60.31
65	190.5	149.2	22.2	8	28.6	100.0	41.3	79.4	41.1	74.7	75.4	104.8	19.0	73.02
80	209.5	168.3	22.2	8	31.8	117.5	46.0	82.5	45.9	90.7	91.4	127.0	-	88.90
100	273.0	215.9	25.4	8	38.1	152.4	54.0	101.6	53.8	116.1	116.8	157.2	-	114.30
125	330.2	266.7	28.6	8	44.4	188.9	60.3	114.3	60.4	143.8	144.5	185.7	-	141.30
150	355.6	292.1	28.6	12	47.6	222.2	66.7	117.5	66.4	170.7	171.4	215.9	-	168.27
200	419.1	349.2	31.7	12	55.6	273.0	76.2	133.3	76.2	221.5	222.2	269.9	-	219.07
250	508.0	431.8	34.9	16	63.5	342.2	85.7	152.4	111.2	276.3	277.4	323.8	-	273.05
300	558.8	488.9	34.9	20	66.7	400.0	92.1	155.6	117.3	327.1	328.2	381.0	-	323.85
350	603.2	527.0	38.1	20	69.9	431.8	93.7	165.1	127.0	359.1	360.1	412.7	-	355.60
400	685.8	603.2	41.3	20	76.2	495.3	106.4	177.8	139.7	410.5	411.2	469.9	-	406.40
450	742.9	654.0	44.4	20	82.6	546.1	117.5	184.1	152.4	461.8	462.3	533.4	-	457.20
500	812.8	723.9	44.4	24	88.9	609.9	127.0	190.5	165.1	513.1	514.3	584.2	-	508.00
600	939.8	838.2	50.8	24	101.6	717.5	139.7	203.2	184.1	615.9	615.9	692.1	-	609.60

All Dimensions are in Millimeters • Flanges except Lap Joint will be furnished with (6.35mm) Raised Face, which is not included in Thickness (C) and Length through Hub (Y).



DAIRY FITTINGS



TC Hose



Expandable Union



IC Union



SMS Union



Spray Ball



Sparay Ball



Ferrule Blind



CamLock Coupling



Plug



Hex Nipple



Coupling



Tee



Check Nut



Cross Tee



Elbow



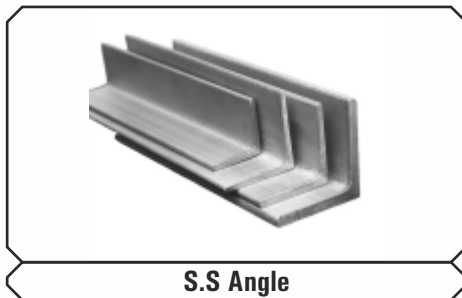
Reducer



Hose Nipple



Barrel Nipple

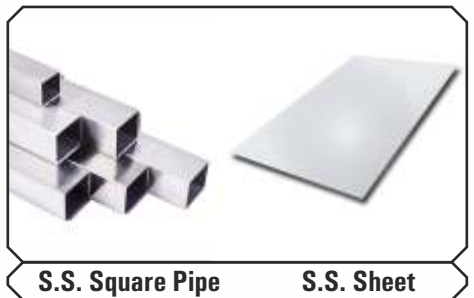


S.S. Angle



S.S. Channel

S.S. Coil



S.S. Square Pipe

S.S. Sheet



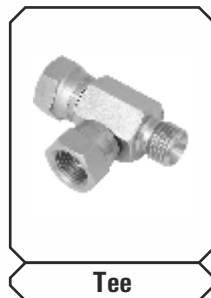
Fasteners



Hex Nipple



Elbow



Tee



Union



Union Cross

Tee & 4 Cross



OTHERS PRODUCT



S.S. Round Bar



S.S. Flats Bar (Patti)



S.S. Square Bar



S.S. Hex Bar



Ss Butweld Fitting Bar



S.S. Investment Casting Fittings



S.S. Bush Pipe



S.S. Pipe (Big Dia Meter)



S.S. Flanges



S.S. Butterfly Valves



S.S. Ball Valves



S.S. Nut Bolt



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MINES



DISTILLERIES



CEMENT PLANT



PAPER INDUSTRIES



FERTILIZER INDUSTRIES



CHEMICAL INDUSTRIES



SOLAR ENERGY



BEVERAGE INDUSTRIES



OIL & GAS INDUSTRIES



REFINERY PLANT



TEXTILE INDUSTRIES



PHARMACY INDUSTRIES



SUGAR INDUSTRIES



DAIRY INDUSTRIES



FOOD INDUSTRIES



AUTOMOBILE INDUSTRIES



POWER PLANT

FORMULA OF WEIGHT

WEIGHT OF STAINLESS STEEL PIPES & TUBES

O.D. (mm) - W.T. (mm) X W.T. (mm) X 0.02466 = kg. per Meter
O.D. (mm) - W.T. (mm) X W.T. (mm) X 0.00756 = kg. per Feet

WEIGHT OF STAINLESS STEEL ROUNDS

Dia (mm) X Dia (mm) X 0.00623 = Kg. Per Meter
Dia (mm) X Dia (mm) X 0.0019 = Kg. Per Feet

WEIGHT OF STAINLESS STEEL SQUARE BARS

Dia (mm) X Dia (mm) X 0.00787 = Kg. per Meter
Dia (mm) X Dia (mm) X 0.0024 = Kg. Per Feet

WEIGHT OF STAINLESS STEEL HEXAGONAL RODS

Dia (mm) X Dia (mm) X 0.00680 = Kg. Per Meter
Dia (mm) X Dia (mm) X 0.002072 = Kg. Per Feet

WEIGHT OF STAINLESS STEEL FLAT BAR

Width (mm) X Thk (mm) X 0.00798 = Kg. Per Meter
Width (mm) X Thk (mm) X 0.00243 = Kg. Per Feet

WEIGHT OF STAINLESS STEELSHEETS

Length (Mtr.) X Width (Mtr.) X Thk (mm) X 8 = Kg. Per Sheet
Length (Ft.) X Width (Ft.) X Thk (mm) X 3/4 = Kg. Per Sheet

WEIGHT OF STAINLESS STEEL CIRCLES & BLANKS

Dia (mm) X Dia (mm) X Thk. (mm)/160 = Gmg. Per Pcs.
Dia (mm) X Dia (mm) X Thk. (mm)X0.000063 = Kg. Per Pcs.

WEIGHT OF BRASS/COPPER PIPES

Length (mm) x W.T. (mm) X W.T. (mm) X 0.0260 = Kg. Per Meter

WEIGHT OF CARBON STEEL SHEETS - PLATES

Length (Mtr.) x Width (Mtr.) X Thk (mm) X 7.85 = Kg. Per Sheet

WEIGHT OF LEAD PIPES (APPRO.)

O.D. (mm) - W.T. (mm) X W.T. (mm) X 0.0345 = Kg. Per Meter

WEIGHT OF ALUMINIUM PIPES (APPRO.)

O.D. (mm) - W.T. (mm) X W.T. (mm) X 0.0082 = Kg. Per Meter

WEIGHT OF LEAD SHEETS (APPRO.)

Length (mtr.) x Width (mtr.) X Thk. (mm) X 11.2 = Kg. Per Sheet

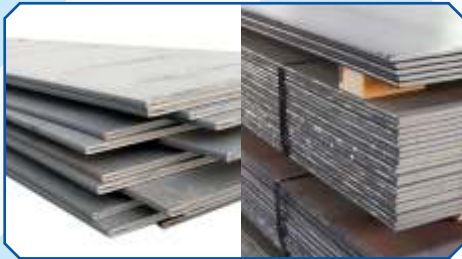
WEIGHT OF ALUMINIUM SHEETS (APPRO.)

Length (Mtr.) x width (Mtr.) X Thk. (mm) X 2.69 = Kg. Per Sheet

TENSILE STRENGTH CONVERSION TABLE

1)	Kg/mm ² X 9.81	= N/mm ² =MPa
2)	Psi X 0.0007	= Kg/mm ²
3)	Ksi X 1000	= PSI
4)	Kg/mm ² X 1.422	= KSI

OUR MILD STEEL PRODUCTS



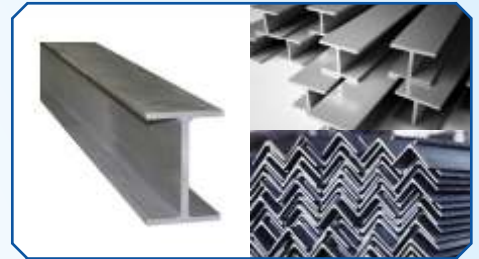
M.S. PLATE

M.S. SHEET



M.S. COIL

M.S. FLATE



M.S. BEAM

M.S. ANGLE & CHANNEL

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Which Compels To Use It*

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