

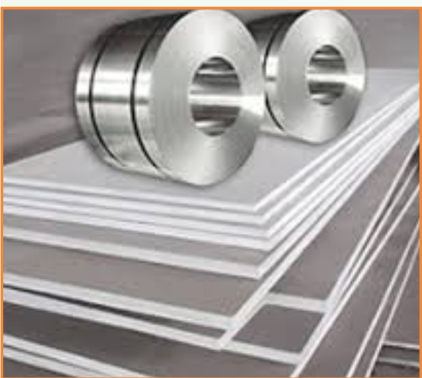
**MSME**

MICRO, SMALL & MEDIUM ENTERPRISES  
UDYAM-MH-19-0100247



**MAHADEV STEEL INDIA**

AN ISO 9001:2015 CERTIFIED COMPANY



*Quality With Integrity*

- PIPE FITTING
- PIPE & TUBES
- SHEETS PLATES
- BRASS TUBES
- FASTENERS
- FERRUAL FITTING
- FLANGES
- FORGE FITTING



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Web : [www.mahadevsteelindia.com](http://www.mahadevsteelindia.com)

# Company Profile



We are **Stockiest and Suppliers of Stainless Steel Seamless & Welded (ERW) Pipes, Square Pipe, Plate, Round Bar, Sheet, Coil, Flat, Fastener in 304, 304L, 310, 310S, 321, 347, 316, 316L, 316 Ti, 317L & other qualities.** Which are required by your Industries, in all aspects of Projects Implementation, Maintenance, Modernizations, Expansion and Shut down Application etc.

**Mahadev Steel India** is a company promoted by Highly experienced Technical personnel who are in the field of stocking & supplying Industrial raw material for more than **10 years.**

**Mahadev Steel India** participates in the timely supply of raw-material to clients. We provide remedies in the critical time of troubleshooting so that the wheels of the customers industry keep moving and do not come to grinding halt.

At **Mahadev Steel India**, Quality of a product is always maintained, as quality is never an accident; it is outcome of High intention, sincere efforts, Intelligent direction & skillful execution; it represents the wise choice of many alternatives.

We will provide you material at **Most Competitive Prices | Right Time | Right Quality | with EXCELLENT SERVICE** and most important Market Information and latest trend to facilitate you to take right Purchase decision.

Our company has responded to all & every need of industry as one of Top and the most reputed **Importers/Exporter & Stockiest of Stainless Steel Sheets, Plates, Coils, Strips, Pipes, Tubes , Pipe Fittings , Round Bar, Fasteners & Flange Fittings.**

Our Competitive Prices and full logical support will insure satisfaction to our customers .

# Quality Policy



## OUR EXCELLENCE...

Quality is our prime concern. We are able to maintain high quality standards through our committed personnel and sound infrastructure. We ensure that finest quality material is used for our products. For ensure the quality of each material, we are providing Materials Test Certificate along with supply. Our team of experts maintain a vigil on the quality of the products. Every single piece is attached with test certificates and reports. We are continually improving our quality to serve our clients better.



## OUR FACILITIES...

We have a sound infrastructure. Our spacious warehouse has the capacity to store large quantities of products. We possess a team of experts who are sourcing products of international standard to keep abreast with the global markets. Our quality professionals have served as a beacon not only for us but also for the entire industry in establishing top-notch quality standards.



**“Our Philosophy is long-term, since we believe that the key to lasting success is the formatting of long-term RELATIONSHIP with our clients.”**





## Buttweld Fitting

### Specifications:

**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 WPHY 42/46/52/56/60/65/70/A53GR. B/A106 GR.B/ ASM 192 / A179 etc.

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

**Others** : Monel, Nickel, Inconel, Hastalloy, Copper, Brass, Bronze, Titanium, Tantalum, Bismuth, Aluminium, High Speed Steel, Zinc, Lead, etc.

**Size** : 1/4" NB TO 32" NB. (Seamless & Welded)

**Wall Thickness** : Sch. 5S To Sch. XXS.

Type of Butt weld fittings: Tee, Elbow, Reducing Tee, Coupling, Long & Short Stub Bend, Reducer, Return Bends, Plug and Union, Cap, Collar, Cross, etc.



## Forged Fitting

**High Nickel Alloy** : Monel, Nickel, Inconel, Hastalloy, Copper, Brass, Bronze, Titanium, Tantalum, Bismuth, Aluminium, High Speed Steel, Zinc, Lead, etc.

**Material Grade** : Stainless Steel, Nickel Alloys, Carbon Steel, Alloy Steel.

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

**Carbon Steel** : ASTM A105 / A694/F42/46/52/56/60/65 70/A 350 LF3 /A350 LF2

**Alloy Steel** : ASTM A182 F1/ F5/ F9/ F11/ F22/ F91 etc.

**Types** : Elbow, Tee, Union, Cross, Coup Bushing, Plug, Swage Nipple, Welding Boss, Hexagon Nipple, Barrel Nipple, Welding Nipple, Parraler Nipple, Street Elbow, Hexagon Nut, Hose Nipple, Bend, Adapter, Insert, Weldolet, Elbowlet, Sockolet, Thredolet, Nipolet, Letrolet, etc.

**Size** : 1/4" NB TO 4" NB. (Socketweld & Threaded)

**Class** : 3000#, 6000#, 9000#.

**Pressure** : 1000#, 2000#, 3000#, 6000#, 9000#



## Flanges

### Materials Grades Available:

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

**Carbon Steel** : ASTM A105/A694F42/46/52/56/60/65/70/ A350 Lf3/A350 LF2, etc.

**Alloy Steel**: ASTM A182 F1/ F5/ F9/ F11/ F22/ F91 etc.

**Others**: Monel, Nickel, Inconel, Hastalloy, Copper, Brass, Bronze, Titanium, Tantalum, Bismuth, Aluminium, High Speed Steel, Zinc, Lead, etc.

**Types**: Our range of include PN , Plate Blank Flanges, Screwed Bars , Spectacle, Blind, Lapped, Reducing , Welded Socketweld , SORF , Threaded, Weldneck, Slipon, Blind, Socket Weld, Lap Joint, Spectacles, Ring Joint, Oriface, Long Weldneck, Deck Flange, RTJ Flange

**Size**: 1/2" NB TO 24" NB.

**Class**: 150#, 300#, 600#, 900#, 1500# & 2500#.

MS Flanges IBR & Non IBR





## Pipes & Tubes



**STAINLESS STEEL** : ASTM / ASME SA 312 GR, TP 304, 304L, 304H, 309S, 309H, 310S, 310H, 316, 316TI, 316H, 316LN, 317, 317L, 321, 321H, 347, 347H, 904L, ASTM / ASME SA 358 CL 1 % CL 3 GR. 304, 304L, 304H, 309S, 309H, 310S, 310H, 316, 316H, 321, 321H, 47.

**DUPLEX STEEL** : ASTM / ASME SA 790 UNS NO

**CARBON STEEL** : ASTM ASME A 53 GR. A & B, ASTM A 106 GR.

A, B & C. API 5L GR. B, IBR & NON-IBR

API 5L X 42, X46, X52, X60, X65 & X 70, ASTM / ASME A 691 GR

A, B & C

**ALLOY STEEL** : ASTM / ASME A 335 GR P1, P5, P9, P11, P12, P22, P23, P91, ASTM / ASME A 691 GR 1 CR, 11/4 CR, 21/ 4CR.

IBR & NON-IBR

**SIZE** : Up to 24" NB. (Seamless), up to 48" (Welded)

**WALL THICKNESS** : Sch. 5S to Sch. XXS

Spiral Submerged Arc Welded Pipes are available in API and other International Standards and also in commercial quality for application ranging from transportation of **OIL, GAS, WATER, SLURRY & SEWAGE** etc to Projects.

**Grade** : API 5L Gr. B / ASTM A 672/671/691

**Outside Diameter** : 16" to 200"

**Wall Thickness** : 5mm to 90mm

**Length** : 4 meter to 12 Meter

**Range - High Quality SAW Pipes in large diameters i.e. in the range of 16" to 200" diameters with IBR & Non-IBR**

**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)A 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 C276)

**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)

**TYPES** : Round, Square, Rectangular.

**SIZE** : Up to 24" NB. (Seamless), up to 48" (Welded)

**WALL THICKNESS** : Sch. 5S to Sch. XXS



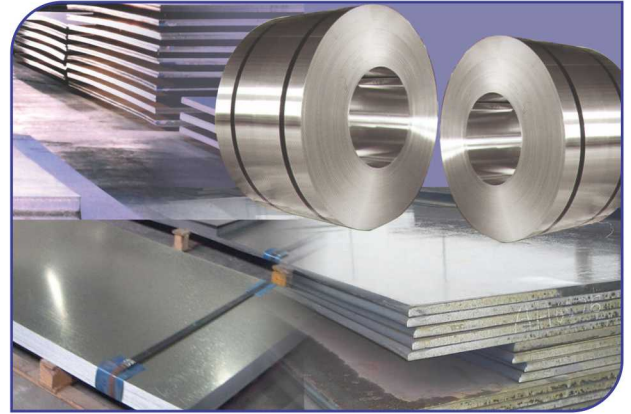
## Sheets, Plates & Coils

**S. S. Sheets & Plates** as per ASTM A240, Gr. TP 304, 304L, 304LN, 309, 309S, 309H, 310H, 316, 316L, 316H, 316LN, 316Ti, 317, 317L, 321, 321H, 347, 348, 3487H, 409, 410, 420, 430 etc.

**Alloy Steel Plates** : as per ASTM A387 Gr. 2, 5, 9, 11, 12 & 22 in class 1 & 2 ASTM A 204 Gr. A & B, DIN 17175 Gr. 15Mo3 & 16Mo3 with IBR Test Certificate.

**Carbon Steel / Boiler Quality Plates** : as per IS 2062/ASTM A36, Gr. A, B & C, IS 2002 Gr. 1 & 2 ASTM A 516 Gr. 60 & 70, ASTM A 515 Gr.70

**Abrasion resistant / Wear resistant Plates** : Sailhard, Hardox, Sumihard, Jee Raex, Fora, Abrazo, Abrex, Xar, Nicrodur, Dillidur 360, 400, 450, 500, 600, 700, 900 & 100 BHN.



## Copper/ Brass / Aluminium Coils, Sheets, Plates, Flats, Pipes, Rods

**Copper** : DHP Copper, ETP Copper, DPA Copper, OFHC Coppertubes 2mm OD to 200 mm OD with wall thickness of 0.10mm to 15mm.

**Brass** : 63/37 Brass, 70/30 Brass, Admiralty Brass, Aluminium & Other Composition of Brass

**Cupronickel** : 95/5 Alloy & 70/30 Alloy

**Bronze** : Phosperous Bronze A B1/ A B2, Aluminium Bronze & Gun Metal

**IS Grades : (Aluminium)**

19501, 19500, 19600, 19800, 19000, 24345, 24354, 31000, 43000, 46000, 51000, 52000, 53000, 54300, 55000, 65032, 63400, 644300, 62400, 63401, 74530 etc. Available in all Sizes & Thickness.

## Rods, Bars & Wires

**High Nickel Alloy** : Monel, Nickel, Inconel, Hastalloy, Copper, Brass, Bronze, Titanium, Tantalum, Bismuth, Aluminium, High Speed Steel, Zinc, Lead, etc.

**Material Grade** : Stainless Steel, Nickel Alloys, Carbon Steel, Alloy Steel, IBR Non IBR.

**Types** : Rods, Hex, Square, Wires, Billets etc.

**MS Round Bar** : All En Series - EN -8, EN-9, EN-19, EN-24, EN-31 EN-42, Round, Square, Flat, Plate, Pipe, Bolt, Nut, Circle etc.





## BRASS TUBES

Copper	DHP Copper, ETP Copper, DPA Copper OFHC Copper
BRASS	63 / 37 Brass, 70 / 30 Brass, Admiralty Brass, Aluminium Brass & other Compositions of Brass.
CUPRONICKEL	95 / 5 alloy, 90 / 10 alloy & 70 / 30 alloy.
BRONZES	Phosphorous Bronze Aluminium Bronze & Gun Metal, Phosphorous Bronze A B1 / A B2 Bush Round.



## COPPER TUBES

TUBES	2mm OD to 200mm OD with Wall thickness of 0.10 mm to 15 mm in length upto 10 mtrs straight (in coils upto 25 mtrs) in copper, Brass & Curpronickel.
RODS	In all size upto 160mm diameter in Copper, Brass and Bronzes.
STRIPS / PROFILES	Copper Strips and sections as per clients specific requirements.
WIRES	Copper wires upto 42 swg in bright annealed condition.
S. E. WIRES	Super enamelled copper wires upto 42 swg.



## BRASS RODS



### SPECIFICATIONS

Indian Standard Specification (ISS)  
British Standard Specification (BSS)  
American Standard for Testing of Material (ASTM)  
As per Parties Specific Specifiaction.



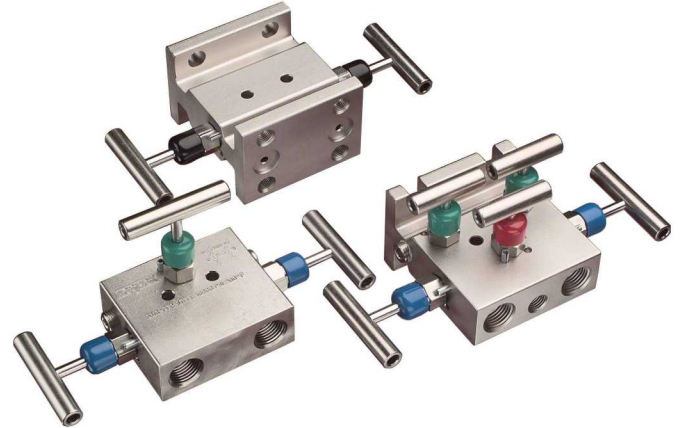
## COPPER TUBE & SECTIONS



### TESTING FACILITIES

Chemical Analysis  
Physical Testing  
Hardness Testing  
Hydrostatic Testing  
Pneumatic Testing  
Stress Corrossion Testing  
Dimensional Inspection  
Destructive Testing- Flattening, Drift Test, Bend Test etc.  
NDT - Eddy Current Testing





**FERRULE FITTING / TUBE FITTING**

**UNION**

- Blukhead Union
- Reducing Union
- Union
- Union Cross
- Union Elbow
- Male Elbow
- Female Elbow

**COUPLING**

- Hex Coupling
- Hex Reducing Coupling

**NIPPLE**

- Hex Nipple
- Pipe Cap
- NPT Male/Female ISO Parallel
- NPT Male/Female ISO Tapered

**ADAPTER**

- O-Seal Pipe
- O-Seal Straight
- Male Adapter
- Female Adapter
- Male/Female ISO Tapered
- Male/Female ISO Parallel

**TEE**

- Male Branch Tee
- Male Run Tee
- Female Branch Tee
- Union Tee
- Female Run Tee
- Reducer

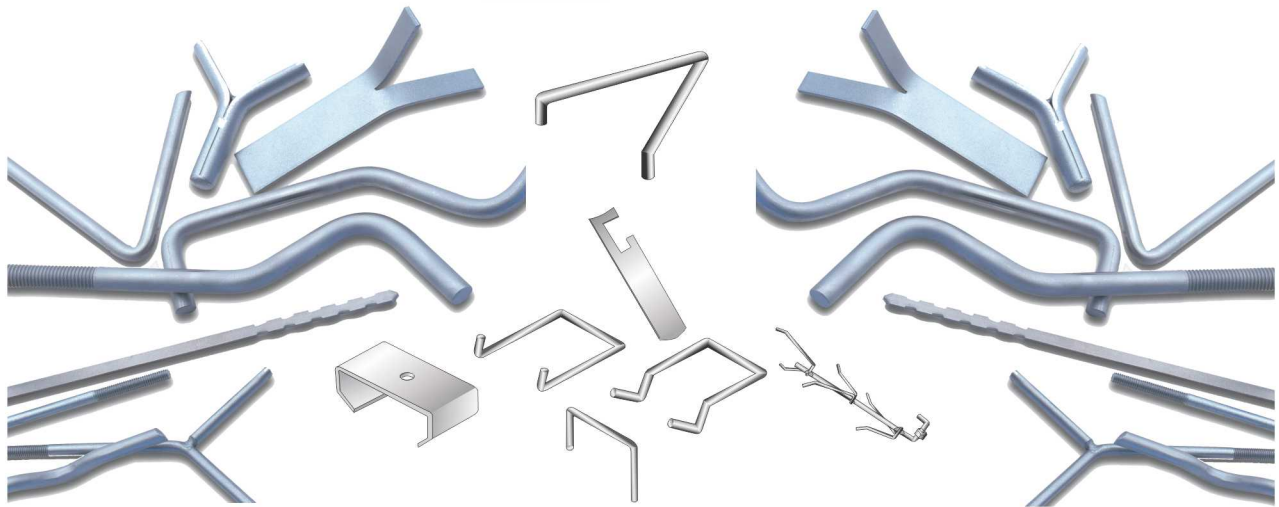
**PLUG**

- Plug

**CONNECTOR**

- Back Ferrule
- Front Ferrule
- Parker Ferrule
- Coupling Cap/Nut
- Fitting End Closure
- Tube End Closure
- Male Connector
- Female Connector
- O-Seal Pipe Thread Connector
- O-Seal Straight Thread Connector





## FASTENERS

- Stainless Steel** : AISI 304,304L,316,316L,316Ti 310,310S, 317, 317L, 321, 347, 410, 420, 904L etc.
- Alloy Steel** : 4.6, 5.6, 6.6, 8.8, 10.9 & 12.9 / 'R', 'S', 'T' Conditions.
- Carbon Steel** : Bare Condition, Galvanized, Phosphetised, Cadium Plated, Hot Deep Galvanized, Bloodied, Nickel Chrome Plated, etc.
- High Nickel Alloy** : Monel, Nickel, Inconel, Hastelloy
- Others** : Copper, Brass, Bronze, Titanium, Tantalum, Bismuth, Aluminium, High Speed Steel, Zinc, Lead, etc.
- Types** : Bolts, Nuts, Washers, Anchor Fasteners, Stud Bolts, Eye Bolt, Stud, Threaded Rod, Cotter Pin, Socket Head Screw, Fine Fasteners & Spares, Foundation Fasteners, etc.



**STAINLESS STEEL PIPE DIMENSION AS PER ASTM AND WEIGHT KG. PER MTR. (ANSI B 36.19)**

Nominal Bore		Outside Diameter	Schedule 5S		Schedule 10S		Schedule 20S		Schedule 40S		Schedule 80S		Schedule 160S		Schedule XXS	
mm	Inch	mm	Wt mm	Weight (Kg/mt)	Wt mm	Weight (Kg/mt)	Wt mm	Weight (Kg/mt)	Wt mm	Weight (Kg/mt)	Wt mm	Weight (Kg/mt)	Wt mm	Weight (Kg/mt)	Wt mm	Weight (Kg/mt)
3	1/8	10.3	1.24	0.276	1.24	0.28	1.5	0.33	1.73	0.37	2.41	0.47	-	-	-	-
6	1/4	13.7	1.24	0.390	1.65	0.49	2.00	0.58	2.24	0.631	3.02	0.80	-	-	-	-
10	3/8	17.1	1.24	0.490	1.65	0.63	2.00	0.74	2.31	0.845	3.20	1.10	-	-	-	-
15	1/2	21.3	1.65	0.800	2.11	1.00	2.30	1.07	2.77	1.27	3.75	1.62	4.75	1.94	7.47	2.55
20	3/4	26.7	1.65	1.03	2.11	1.28	2.55	1.52	2.87	1.68	3.91	2.20	5.54	2.89	7.82	3.63
25	1	33.4	1.65	1.30	2.77	2.09	2.55	1.94	3.38	2.50	4.55	3.24	6.35	4.24	9.09	5.45
32	1.1/4	42.2	1.65	1.65	2.77	2.70	3.00	2.90	3.56	3.38	4.85	4.47	6.35	5.61	9.70	7.77
40	1.1/2	48.3	1.65	1.91	2.77	3.11	3.00	3.55	3.68	4.05	5.08	5.41	7.14	7.25	10.16	9.54
50	2	60.3	1.65	2.40	2.77	3.93	3.00	4.24	3.91	5.44	5.54	7.48	8.74	11.1	11.07	13.44
65	2.1/2	73.0	2.11	3.69	3.05	5.26	4.00	6.81	5.16	8.63	7.01	11.4	9.53	14.9	14.2	20.39
80	3	88.9	2.11	4.51	3.05	6.45	4.00	8.37	5.49	11.30	7.62	15.2	11.1	21.3	15.24	27.65
90	3.1/2	101.6	2.11	5.2	3.05	7.45	4.00	9.68	5.70	13.55	8.08	18.74	-	-	16.2	34.32
100	4	114.3	2.11	5.84	3.05	8.36	4.50	12.18	6.02	16.07	8.56	22.3	13.49	33.54	17.12	41.03
125	5	141.3	2.77	9.47	3.40	11.57	5.00	16.80	6.55	21.8	9.53	31.97	15.88	49.11	19.05	57.43
150	6	168.3	2.77	11.32	3.40	13.84	6.35	25.36	7.11	28.3	10.97	42.7	18.2	67.56	21.95	79.22
200	8	219.1	2.77	14.79	3.76	19.96	6.35	33.31	8.18	42.6	12.7	64.6	23.0	111.2	22.23	107.8
250	10	273.1	3.40	22.63	4.19	27.78	6.35	41.77	9.27	60.5	12.7	96.0	28.6	172.4	25.40	155.15
300	12	323.9	3.96	31.25	4.57	36.00	6.35	49.7	9.52	73.88	12.7	132.0	33.32	238.76	25.40	186.97
350	14	355.6	3.96	34.36	4.78	41.3	7.92	67.80	11.13	94.59	19.05	158.08	35.71	281.70	-	-
400	16	406.4	4.19	41.56	4.78	47.29	7.92	77.83	12.7	123.30	21.41	203.33	40.46	365.11	-	-
450	18	457.2	4.19	46.80	4.78	53.42	7.92	87.71	14.27	155.80	23.8	254.36	45.71	466.40	-	-
500	20	508.0	4.78	59.25	5.54	68.71	9.53	117.14	15.09	183.42	26.19	311.2	49.99	564.68	-	-
600	24	609.6	5.54	82.47	6.35	94.45	9.53	141.12	17.48	255.41	30.96	442.08	59.54	808.22	-	-



**C.S / A.S / S.S PIPES AND TUBES SCHEDULE DIMENSIONS, WALL THICKNESS, WT. / MTR. (KG)**

Nominal Pipe Size	ANSI B 36.10										ANSI B 36.19										
	Schedule 10	Schedule 20	Schedule 30	Schedule STD	Schedule 40	Schedule 60	Schedule XS	Schedule 80	Schedule 100	Schedule 120	Schedule 140	Schedule 160	Schedule XXS	Schedule 5S	Schedule 10S	Schedule 40S	Schedule 80S				
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm			
1/4"				2.24	0.63	2.24	0.63	3.02	0.80	3.02	0.80				1.65	0.50	2.24	0.64	3.02	0.81	
3/8"				2.31	0.84	2.31	0.84	3.20	1.10	3.20	1.10				1.65	0.64	2.31	0.86	3.20	1.12	
1/2"				2.77	1.27	2.77	1.27	3.73	1.62	3.73	1.62			4.78	1.95	2.11	1.02	2.77	1.29	3.73	1.65
3/4"				2.87	1.69	2.87	1.69	3.91	2.20	3.91	2.20			5.56	2.90	2.11	1.30	2.87	1.71	3.91	2.23
1"				3.38	2.50	3.38	2.50	4.55	3.24	4.55	3.24			6.35	4.24	2.13	2.13	3.38	2.54	4.55	3.29
1 1/4"				3.56	3.39	3.56	3.39	4.85	4.47	4.85	4.47			6.35	5.61	2.73	2.73	3.56	3.44	4.85	4.53
1 1/2"				3.68	4.05	3.68	4.05	5.08	5.41	5.08	5.41			7.14	7.25	3.16	3.16	3.68	4.11	5.08	5.49
2"				3.91	5.44	3.91	5.44	5.54	7.48	5.54	7.48			8.74	11.11	3.99	3.99	3.91	5.52	5.54	7.60
2 1/2"				5.16	8.63	5.16	8.63	7.01	11.41	7.01	11.41			9.53	14.92	5.35	5.35	5.16	8.77	7.01	11.59
3"				5.49	11.29	5.49	11.29	7.62	15.27	7.62	15.27			11.13	21.35	6.56	6.56	5.49	11.47	7.62	15.51
3 1/2"				5.74	13.57	5.74	13.57	8.08	18.63	8.08	18.63			2.11	5.26	7.53	7.53	5.74	13.78	8.08	18.92
4"				6.02	16.07	6.02	16.07	8.56	22.32	8.56	22.32			13.49	33.54	8.50	8.50	6.02	16.32	8.56	22.67
5"				6.55	21.77	6.55	21.77	9.53	30.97	9.53	30.97			15.88	49.11	11.74	11.74	6.55	22.10	9.53	31.44
6"				7.11	28.26	7.11	28.26	10.97	42.56	10.97	42.56			18.26	67.56	14.04	14.04	7.11	28.70	10.97	43.22
8"				6.35	33.31	7.04	36.81	8.18	42.55	10.31	53.08			100.90	23.01	20.12	20.12	8.18	43.20	12.70	65.64
10"				6.35	41.77	7.80	51.03	9.27	60.31	12.70	81.55			155.10	25.40	28.20	28.20	9.27	61.22	12.70	82.78
12"				6.35	49.73	8.38	65.20	9.53	73.88	14.27	108.90			186.90	28.58	36.53	36.53	9.53	74.94	12.70	98.96
14"				6.35	54.69	9.53	81.33	11.13	94.55	15.09	126.70			224.60	31.75	41.99	41.99	9.53	82.50	12.70	109.05
16"				6.35	62.64	9.53	93.27	12.70	123.30	16.66	160.10			286.60	36.53	48.07	48.07	9.53	94.61	12.70	125.20
18"				6.35	70.57	9.53	111.13	12.70	155.80	19.05	205.70			419.47	47.53	54.15	54.15	9.53	106.83	12.70	141.35
20"				6.35	78.55	9.53	117.10	12.70	155.10	20.62	247.80			478.60	53.40	69.70	69.70	9.53	118.95	12.70	157.51
22"				6.35	86.54	9.53	129.10	12.70	171.00	22.23	294.20			478.66	66.31	76.75	76.75	9.53	131.07	12.70	173.66
24"				6.35	94.53	9.53	141.10	14.27	209.60	24.61	355.20			554.83	80.35	95.92	95.92	9.53	143.20	12.70	189.82
26"				6.35	127.30	12.70	202.70		9.53	152.80											205.85
28"				6.35	137.30	12.70	218.60		9.53	164.80											222.06
30"				6.35	147.20	12.70	234.60		9.53	176.80											238.28
32"				6.35	157.20	12.70	250.60		9.53	188.80											254.50
34"				6.35	167.20	12.70	266.60		9.53	200.80											270.72
36"				6.35	176.90	12.70	282.20		9.53	212.50											286.62

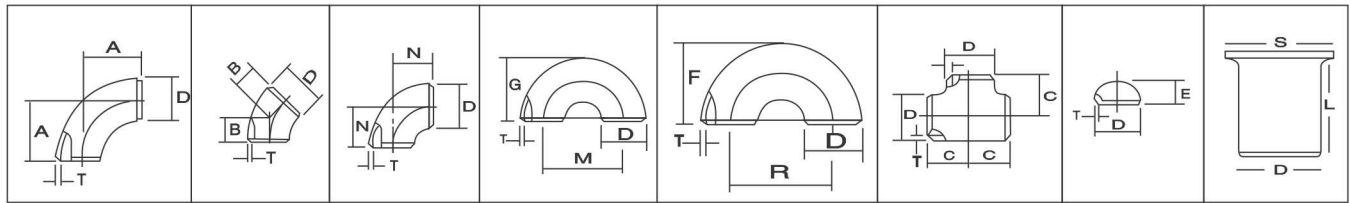
**Formulae**

Weight of Steel Pipes & Tubes  
 $OD(mm) - W.T.(mm) \times W.T.(mm) \times 0.02466 = \text{kg per meter}$   
 Feet = meter  $\div 3.281$

ALL DIMENSIONS ARE IN KILOGRAMS & METERS



### DIMENSIONS OF BUTT-WELDING FITTING ANSI B-16.9 / B-16.28



90 Elbow Long Radius

45 Elbow

90 Elbow Short Radius

180 Return Short Radius

180 Return Long Radius

Tee Equal Tee

Caps

Stub-End

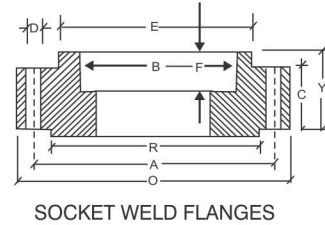
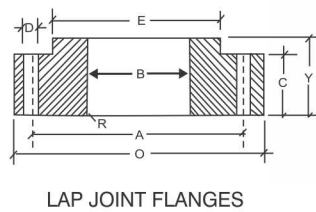
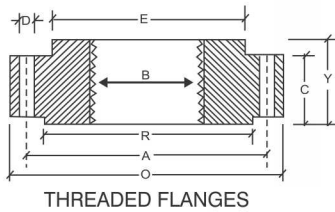
Nominal Pipe Size		Outside Diameter	Center to Face				Back to Face			Center to Center			Length 'L'	
INCH	MM	D	A R=1.5D	B	C	N R=1D	E	F	G	R	M	S	Short L MSS SP 43	Long L B16.9
1/2	15	21.3	38.00	16.0	25.0	-	25.0	48.0	-	76.0		35.0	50.8	76.2
3/4	20	26.7	29.00	11.0	29.0	-	25.0	43.0	-	57.0		43.0	50.8	76.2
1	25	33.4	38.00	22.0	38.0	25.0	38.0	56.0	41.0	76.0	51.0	51.0	50.8	101.6
1.1/4	32	42.2	48.00	25.0	48.0	32.0	38.0	70.0	52.0	95.0	64.0	64.0	50.8	101.6
1.1/2	40	48.3	57.15	29.0	57.0	38.0	38.0	83.0	62.0	114.0	76.0	73.0	50.8	101.6
2	50	60.3	76.00	35.0	64.0	51.0	38.0	106.0	81.0	152.0	102.0	93.0	63.5	152.4
2.1/2	65	73.0	95.25	44.0	76.0	64.0	38.0	132.0	100.0	191.0	127.0	105.0	63.5	152.4
3	80	88.9	114.30	51.0	86.0	76.0	51.0	159.0	121.0	229.0	152.0	127.0	63.5	152.4
3.1/2	90	101.6	133.35	57.0	95.0	89.0	64.0	184.0	140.0	267.0	178.0	140.0	76.2	152.4
4	100	114.3	152.0	64.0	105.0	102.0	64.0	210.0	159.0	305.0	203.0	157.0	76.2	152.4
5	125	141.3	190.0	79.0	123.0	127.0	76.0	262.0	197.0	381.0	254.0	186.0	76.2	203.2
6	150	168.3	229.0	95.0	143.0	152.0	89.0	313.0	237.0	457.0	305.0	218.0	88.9	203.2
8	200	219.1	305.0	127.0	178.0	203.0	102.0	414.0	313.0	610.0	406.0	270.0	101.6	203.2
10	250	273.1	381.0	159.0	216.0	254.0	127.0	515.0	391.0	762.0	508.0	324.0	127.0	254.0
12	300	323.8	457.0	190.0	254.0	305.0	152.0	619.0	467.0	914.0	610.0	381.0	152.4	254.0
14	350	355.6	533.0	222.0	279.0	356.0	165.0	711.0	533.0	1067.0	711.0	413.0	152.4	305.0
16	400	406.4	610.0	254.0	305.0	406.0	178.0	813.0	610.0	1219.0	813.0	470.0	152.4	305.0
18	450	457.2	686.0	286.0	343.0	457.0	203.0	914.0	686.0	1372.0	914.0	533.0	152.4	305.0
20	500	508.0	762.0	318.0	381.0	508.0	229.0	1016.0	762.0	1524.0	1016.0	584.0	152.4	305.0
22	550	559.0	838.0	343.0	419.0	559.0	254.0	1118.0	838.0	1676.0	1118.0	614.4	152.4	305.0
24	600	610.0	914.0	381.0	432.0	610.0	267.0	1219.0	914.0	1829.0	1219.0	692.0	152.4	305.0
26	650	660.0	991.0	405.0	495.0	660.0	267.0							
28	700	711.0	1067.0	438.0	521.0	711.0	267.0							
30	750	762.0	1143.0	470.0	559.0	762.0	267.0							
32	800	813.0	1219.0	502.0	597.0	813.0	267.0							
34	850	864.0	1295.0	533.0	635.0	864.0	267.0							
36	900	914.4	1372.0	565.0	673.0	914.0	267.0							



All Dimensions in Millimeters



### DIMENSIONS OF FORGED FLANGES ANSI B 16.5



### ASA 600 CLASS

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	Lenght 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	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	66.5	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	342.9	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 Lenght through Hub(Y).

### ASA 900 CLASS

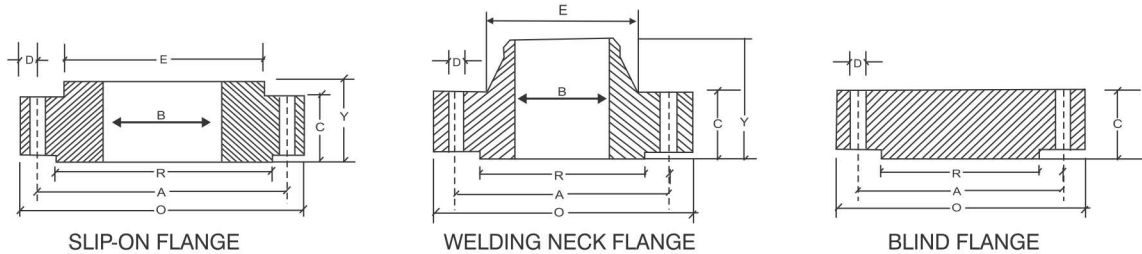
Nominal Pipe Size (MM)	Flange Dia O	Dia of Bolt Circle A	Dia of Bolt Holes D	No. of Holes	Thk of Flange C	Dia of Hub E	Lenght through Hub			Dia of Bore		Dia of R/F R	Depth of Socket F	Pipe Dia X
							S/O & S/W	W/N	L/J	S/O & S/W	L/J			
							Y	Y	Y	B	B			
15	120.6	82.5	22.2	4	22.2	38.1	31.7	60.3	31.7	22.3	22.8	34.9	9.5	21.33
20	130.2	88.9	22.2	4	25.4	44.4	34.9	69.8	35.0	27.7	28.1	42.9	11.1	26.67
25	149.2	101.6	25.4	4	28.6	52.4	41.3	73.0	41.1	34.5	35.0	50.8	12.7	33.40
32	158.7	111.1	25.4	4	28.6	63.5	41.3	73.0	41.1	43.2	43.6	63.5	14.2	42.16
40	177.8	123.8	28.6	4	31.8	69.8	44.4	82.5	44.4	49.5	50.0	73.0	15.8	48.26
50	215.9	165.1	25.4	8	38.1	104.8	57.1	101.6	57.1	62.0	62.4	92.1	17.4	60.31
65	244.5	190.5	28.6	8	41.3	123.8	63.5	104.8	63.5	74.7	75.4	104.8	19.0	73.02
80	241.3	190.5	25.4	8	38.1	127.0	53.9	101.6	53.8	90.7	91.4	127.0	-	88.90
100	292.1	234.9	31.7	8	44.4	158.7	69.8	114.3	69.8	116.0	116.8	157.2	-	114.30
125	349.2	279.4	35.0	8	50.8	190.5	79.3	127.0	79.2	143.7	144.5	185.7	-	141.30
150	381.0	317.5	31.7	12	55.6	234.9	85.8	139.7	85.8	170.6	171.4	215.9	-	168.27
200	469.9	393.7	38.1	12	63.5	298.4	101.6	162.0	114.3	221.4	222.2	269.9	-	219.07
250	546.1	469.9	38.1	16	69.8	368.3	107.9	184.1	127.0	276.3	277.3	323.8	-	273.05
300	609.6	533.4	38.1	20	79.3	419.1	117.4	200.0	142.7	327.1	328.1	381.0	-	323.85

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 Lenght through Hub(Y).

Class 1500 & 2500 Flanges are available as per customer requirement



### DIMENSIONS OF FORGED FLANGES ANSI B 16.5



### ASA 150 CLASS

Nominal Pipe Size	Flange Dia	Dia of Bolt Circle	Dia of Bolt Holes	No. of Holes	Thk of Flange	Dia of Hub	Lenght through Hub			Dia of Bore		Dia of R/F	Depth of Socket	Pipe Dia	
							S/O & S/W	W/N	L/J	S/O & S/W	L/J				
(MM)	(INCH.)	O	A	D	C	E	Y	Y	Y	B	B	R	F	X	
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	365.1	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 Lenght through Hub(Y).

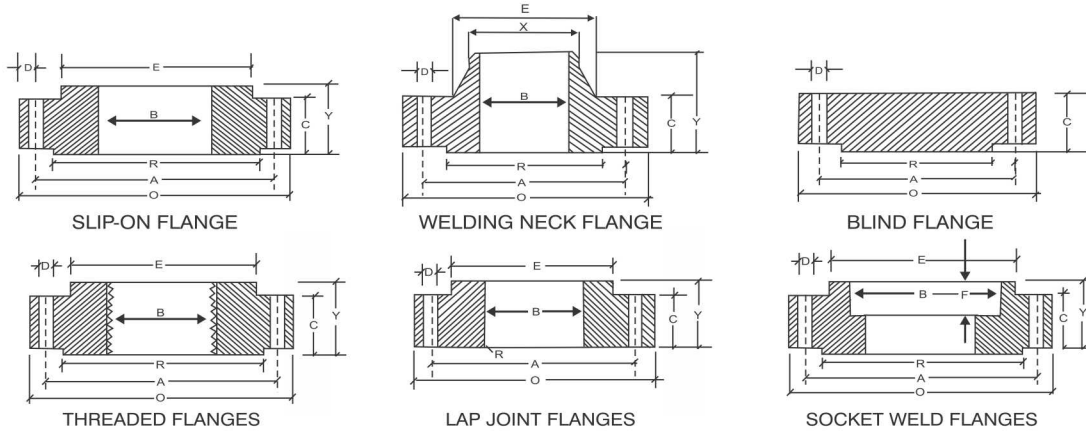
### ASA 300 CLASS

Nominal Pipe Size	Flange Dia	Dia of Bolt Circle	Dia of Bolt Holes	No. of Holes	Thk of Flange	Dia of Hub	Lenght through Hub			Dia of Bore		Dia of R/F	Depth of Socket	Pipe Dia	
							S/O & S/W	W/N	L/J	S/O & S/W	L/J				
(MM)	(INCH.)	O	A	D	C	E	Y	Y	Y	B	B	R	F	X	
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	19.0	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	168.3	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 Lenght through Hub(Y).



### DIMENSIONS OF FORGED FLANGES ANSI B 16.5



### DIMENSIONS OF CLASS1500 FLANGES AS PER ANSI B 16.5

Nominal Pipe Size	Flange Dia	Dia of Bolt Circle	Dia of Bolt Holes	No. of Holes	Thk of Flange	Dia of Hub	Lenght through Hub			Dia of Bore		Dia of R/F	Depth of Socket	Pipe Dia	
							S/O & S/W	W/N	L/J	S/O & S/W	L/J				
(MM)	(INCH.)	O	A	D	C	E	Y	Y	Y	B	B	R	F	X	
For Dimensions from 1/2" to 2 1/2" kindly refer ASA 900 LBS Table.															
80	3	266.7	203.2	31.8	8	47.8	133.4	0.0	73.2	117.3	-	91.4	127.0	-	88.9
100	4	311.2	241.3	34.9	8	53.8	162.1	0.0	90.4	124.0	-	116.8	157.2	-	114.3
125	5	374.7	292.1	41.3	8	73.2	196.9	0.0	104.6	155.4	-	145.5	185.7	-	141.3
150	6	393.7	317.5	38.1	12	82.6	228.6	0.0	119.1	171.4	-	171.5	215.9	-	168.3
200	8	482.6	393.7	44.5	12	92.9	292.1	0.0	142.7	212.9	-	222.3	269.7	-	219.1
250	10	584.2	482.6	50.8	12	1080.	368.3	0.0	177.8	254.0	-	277.4	323.9	-	273.1
300	12	673.1	571.5	54.0	16	124.0	450.9	0.0	218.9	282.4	-	328.2	381.0	-	323.9
350	14	749.3	635.0	60.3	16	133.4	495.3	0.0	241.3	298.5	-	360.2	412.8	-	356.6
400	16	825.5	704.9	66.7	16	146.1	552.3	0.0	260.4	311.2	-	411.2	469.9	-	406.4
450	18	914.4	774.7	73.0	16	162.1	596.9	0.0	276.4	327.2	-	462.3	533.4	-	457.2
500	20	984.3	831.8	79.4	16	177.8	641.1	0.0	292.1	355.6	-	514.4	584.2	-	508.0
600	24	1168.4	990.6	92.1	16	203.2	762.0	0.0	330.2	406.4	-	616.0	692.2	-	609.6

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 Lenght through Hub(Y).

### DIMENSIONS OF CLASS 2500 FLANGES AS PER ANSI B 16.5

Nominal Pipe Size	Flange Dia	Dia of Bolt Circle	Dia of Bolt Holes	No. of Holes	Thk of Flange	Dia of Hub	Lenght through Hub			Dia of Bore		Dia of R/F	Depth of Socket	Pipe Dia	
							S/O & S/W	W/N	L/J	S/O & S/W	L/J				
(MM)	(INCH.)	O	A	D	C	E	Y	Y	Y	B	B	R	F	X	
15	1/2	133.3	88.9	22.2	4	30.2	42.9	39.7	73.0	39.7	22.3	22.3	34.9	-	21.33
20	3/4	139.7	95.3	22.2	4	31.7	50.8	42.9	79.4	42.9	27.7	27.7	42.9	-	26.67
25	1	158.7	107.9	25.4	4	34.9	57.1	47.7	88.9	47.7	34.5	34.5	50.8	-	33.40
32	1 1/4	184.1	130.2	28.6	4	38.1	73.0	52.4	95.2	52.4	43.2	43.2	63.5	-	42.16
40	1 1/2	203.2	146.0	31.7	4	44.4	79.4	60.3	111.1	60.3	49.5	49.5	73.0	-	48.26
50	2	234.9	171.4	28.6	8	50.8	95.2	69.8	127.0	69.8	62.4	62.0	92.1	-	60.31
65	2 1/2	266.7	196.8	31.7	8	57.1	114.3	79.4	142.9	79.4	74.7	74.7	104.8	-	73.02
80	3	304.8	228.6	34.9	8	66.7	133.3	92.1	168.3	92.1	90.7	90.7	127.0	-	88.90
100	4	355.6	273.0	41.2	8	76.2	165.1	107.9	190.5	107.9	116.1	116.1	157.2	-	114.30
125	5	419.1	323.8	47.6	8	92.1	203.2	130.0	228.6	130.0	143.8	143.8	185.7	-	141.30
150	6	482.6	368.3	54.0	8	107.9	234.9	152.4	273.0	152.4	170.7	170.7	215.9	-	168.27
200	8	552.4	438.1	54.0	12	127.0	304.8	177.8	317.5	177.8	221.5	221.5	269.9	-	219.20
250	10	673.1	539.7	66.7	12	165.1	374.6	228.6	419.1	228.6	276.3	276.3	323.8	-	273.05
300	12	762.0	619.1	73.0	12	184.1	441.3	254.0	463.5	254.0	327.1	327.1	381.0	-	323.85

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 Lenght through Hub(Y).



## Metallic

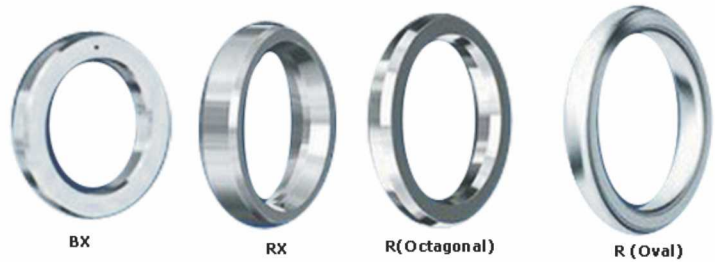
Ring Joints Gaskets

R -Type Ring joint Gaskets

RX Type Ring joint Gaskets

BX Type Ring joint Gaskets

SRX & SBX Type Ring joint Gaskets



## Semi-Metallic Gaskets

Spiral Wound Gaskets

Metal Jacketed Gaskets

Corrugated Metal Gaskets

Camprofile ( Grooved) Gaskets

PTFE gaskets







## DAIRY FITTINGS

SOME OF THE UNIQUE VALUE OF KMI COMPLETE MANUFACTURING FOR DAIRY FITTINGS PRODUCTS.

### Stainless Steel Dairy Fittings Specification

Size : 1/4" to 6"

Thickness : 1.0 mm to 5 mm, 12 SWG, 14SWG, 16 SWG, 18SWG, 20 SWG

Standards : DIN / TRICLOVER / IDF / SMS / BSP / NPT

Grade : SS 201, SS 202, SS 304, SS 304L, SS 316, SS 316L, SS 310S, SS 321, SS 904L

Range : Dairy Bends, Dairy Tee, Dairy Reducer, TC Clamps, Pipe Holder Clamp, SMS Union, DIN Union, TC Ferrule, Hose Clamps, Tri Clamp Tee, Tri Clamp Elbow, Tri Clamp Reducer, Triclover, Joint, SS Spray Balls

Our Dairy Fittings conforms to NACE MR0175/ISO 15156

### Types Of Available Products Stainless Steel Dairy Fittings

Stainless Steel 304 Dairy Fittings

Stainless Steel Dairy Bends Suppliers

SS 310S Dairy Triclover Manufacturer

316L Stainless Steel Dairy Bends Distributors

Stainless Steel 317L Dairy Reducers Exporter

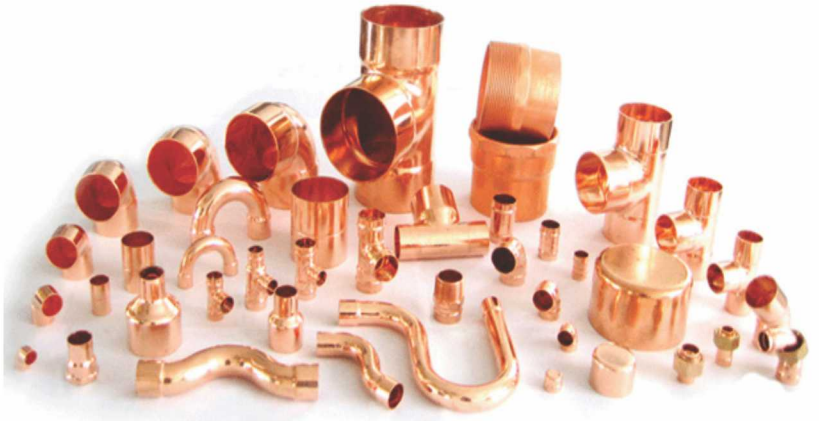
321 SS Dairy Tee Stockiest in India

347 Stainless Steel Dairy Cross Dealers

Stainless Steel 347H Spray Balls Stockholder

Stainless Steel Tri Clamp Reducer Suppliers

904L Stainless Steel Tri Clamp Tee Suppliers





## FORMULA

### 1) WEIGHT OF STAINLESS STEEL PIPES & TUBES

$(OD \text{ (mm)} - W.T. \text{ (mm)}) \times W.T. \text{ (mm)} \times 0.02466 = \text{Kg. per Mtr.}$

### 2) WEIGHT OF STAINLESS STEEL SHEETS

$(\text{Length (Mtr)} \times \text{Width (Mtr)} \times \text{Thick (MM)}) \times 8 = \text{Kg Per Sheet}$

$\text{Length (MM)} \times \text{Width (MM)} \times \text{Thick (MM)} \times 0.000008 = \text{Kg Per Sheet}$

### 3) WEIGHT OF STAINLESS STEEL CIRCLE

$(O.D. \text{ (mm)}) \times O.D. \text{ (mm)} \times \text{Thick (mm)} \times 0.0000063 = \text{Kg per pc.}$

### 4) WEIGHT OF STAINLESS STEEL ROUNDS

$(\text{Dia. (mm)}) \times \text{Dia. (mm)} \times 0.00623 = \text{Kg Per Mtr.}$

### 5) WEIGHT OF STAINLESS STEEL HEXAGONAL RODS

$(\text{Dia. (mm)}) \times \text{Dia. (mm)} \times 0.00679 = \text{Kg Per Mtr.}$

### 6) WEIGHT OF STAINLESS STEEL SQUARE BARS

$(\text{Dia. (mm)}) \times \text{Dia. (mm)} \times 0.00787 = \text{Kg Per Mtr.}$

### 7) WEIGHT OF CARBON STEEL PIPES & TUBES

$(O.D. \text{ (mm)} - W.T. \text{ (mm)}) \times W.T. \text{ (mm)} \times 0.02466 = \text{Kg. Per Mtr.}$

### 8) WEIGHT OF CARBON STEEL SHEETS - PLATES

$(\text{Length (Mtr)} \times \text{Width (Mtr)} \times \text{Thick (MM)}) \times 785 = \text{Kg Per Sheet}$

$(\text{Length (mm)} \times \text{Width (mm)} \times \text{Thick (mm)}) \times 0.00000785 = \text{Kg. Per Sheet}$

### 9) WEIGHT OF COPPER PIPES

$(O.D. \text{ (mm)} - W.T. \text{ (mm)}) \times W.T. \text{ (mm)} \times 0.0256 = \text{Kg. Per Mtr.}$

### 10) WEIGHT OF LEAD PIPES (approx.)

$(O.D. \text{ (mm)} - W.T. \text{ (mm)}) \times W.T. \text{ (mm)} \times 0.0345 = \text{Kg. Per Mtr.}$

### 11) WEIGHT OF ALUMINIUM PIPES (approx.)

$(O.D. \text{ (mm)} - W.T. \text{ (mm)}) \times W.T. \text{ (mm)} \times 0.0082 = \text{Kg. Per Mtr.}$

### 12) WEIGHT OF ALUMINIUM SHEETS (approx.)

$\text{Length (mtr.)} \times \text{Width (mtr.)} \times \text{Thk (mm)} \times 2.66 = \text{Kg Per Sheet}$

### 13) MAKING OF PIPE FROM SHEET OR PLATE

$(OD - \text{Thickness}) \times 3.14 = \text{Width of Sheet or Plate}$

### 14) WEIGHT OF S.S. FLAT BAR

$\text{Width (mm)} \times \text{Thick (mm)} \times 0.00798 = \text{Kg per Mtr.}$

- 1 Feet = 0.3048 Meter / 304.8mm
- 1 Meter = 3.2808 Fit
- 1Inch = 25.4mm
- 1Puond = 6.544 (45359243 Kg)

Gauge	Inch	MM	Gauge	Inch	MM	Gauge	Inch	MM
0	0324	8.229	14	0.080	2.032	28	0.0148	0.375
1	0.300	7.620	15	0.072	1.828	29	0.0136	0.345
2	0.276	7.010	16	0.064	1.625	30	0.0124	0.314
3	0.252	6.400	17	0.056	1.422	31	0.0116	0.294
4	0.232	5.892	18	0.048	1.219	32	0.0106	0.274
5	0.212	5.384	19	0.040	1.016	33	0.0100	0.254
6	0.192	4.876	20	0.036	0.914	34	0.0092	0.233
7	0.176	4.470	21	0.032	0.812	35	0.0084	0.213
8	0.160	4.064	22	0.028	0.711	36	0.0076	0.193
9	0.144	3.657	23	0.024	0.609	37	0.0068	0.172
10	0.128	3.151	24	0.022	0.558	38	0.0060	0.152
11	0.116	2.946	25	0.020	0.508	39	0.0052	0.132
12	0.104	2.641	26	0.018	0.457	40	0.0048	0.121
13	0.092	2.336	27	0.0164	0.416	41	0.0044	0.111

# APPLICATION INDUSTRIES

- Dam Project
- Oil Refineries
- Chemical Plant
- Petrochemical Plants
- Petroleum Refineries
- Pharmaceuticals



- Power Industries
- Textile Machineries
- Industrial Machineries
- Sugar Industries
- Paper Industries



## Third Party Inspection





# MAHADEV STEEL INDIA

AN ISO 9001:2015 CERTIFIED COMPANY

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**STOCKIST & SUPPLIERS OF :** Ferrous & Non Ferrous Metals, Stainless Steel, Carbon Steel, Duplex, Super Duplex, Copper, Brass, Aluminium, Titanium, Inconel, Monel, Hastalloy, Pipe, Tubes, Sheet, Plate, Coil, Rod, Hex, Angles, Channel, Fasteners, Alloy Steel, S.S & M.S Fittings

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