



# PRAYAG STEEL



We Believe in Quality.

Customers care

If the Quality is fair

Pure Quality, Pure Satisfaction



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Gokhivare Road, Opp Pevasai Palghar, Vasai, Dist-Palghar, Maharashtra - 401208



## Company Introduction

**Prayag Steel** was established in 2021 and started as a Butt Weld Pipe Fittings trading company in the beginning. AI has grown up rapidly to be a global fitting supplier based on strong financial structure, large volume of inventory/stock, biggest manufacturing facilities, accumulated technologies and experiences. We have supplied our products to the world wide major customer's comprehensive industrial area such as Oil & Gas, Chemical & Petrochemical, Water treatment, Nuclear & Power Plant, Offshore platform & Shipbuilding. Our products are applicable for any kinds of severe operating condition such as high pressure and high temperature or cryogenic condition. We are always doing our best to bring up AI to be the world's leading company through drastic investment and Ai activities in the belief that the best quality is the solid bastion of business survival and customer's satisfaction. In the future, SSEC will provide more value to the customers based on our customer-first policy & quality-first policy.

We are active in virtually all industrial sectors. Our employees have specialist knowledge of sourcing, project management, logistics and stock planning and work closely together with our customers in the Industry and Energy markets. The combination of global logistics and knowledge of products and customer applications makes AI a leading company in its markets.

### Application Areas

We offer a wide range of Industrial Products which is used in various industries. Such as :

- Sugar Industries
- Chemical Industries
- Fertilizer Plants
- Pharmaceutical Industries
- Oil & Gas Industries
- Power Plant Industries
- Automotive Industries
- Pulp & Paper Mills
- Heat exchanges
- Energy Industries
- Construction Industries

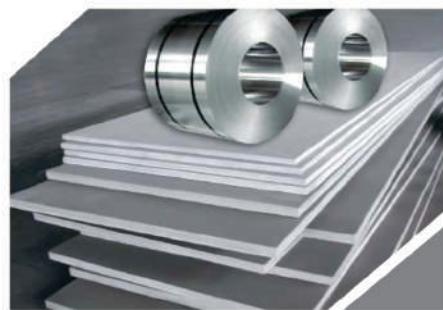


## PIPES & TUBES

**Stainless Steel:** ASTM A312 TP 304/ 304L/ 304H/ 316/ 316L/ 317/ 317L/ 321/ 310/ 347/ 904L etc.  
**Carbon Steel:** ASTM A53 GR. B/ A106 GR. B/ API 5L GRADE B/ API 5L GR.X42/46/52/56/60/65/70/ A333 GR. 3/ GR. 6 etc.  
**Alloy Steel:** ASTM A335 GR. P1/ P5/ P9/ P11/ P22/ P91 etc.  
**Others:** Monel, Nickel, Inconel, Hastelloy, Copper, Brass, Bronze, Titanium, Tantalum, Bismuth, Aluminium, High Speed Steel, Zinc, Lead, etc.  
**Types:** Round, Square, Rectangular.  
**Size:** Upto 24" NB. (Seamless & Welded)  
**Wall Thickness:** Sch. SS to Sch. XXS



## SHEETS, PLATES & COILS



**Stainless Steel:** ASTM A-240-TP 304/ 304L/ 316/ 316L/ 316Ti/ 317/ 317L/ 321/ 347/ 309/ 309S/ 310/ 310S/ 409/ 409M/ 410/ 410S/ 420/ 430/ 431/ 446/ 17.4ph/ 904L.

**Carbon & Alloys Steel :** ASTM 387CL 1 & CI2 ASTM A515/516 Gr 60, Gr 70/IS 2002

**Duplex Steel :** 2205/2507/329/4462/UNS S31803/32750/32990/31254

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

## 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 WPHY 42/46/52/56/60/65/70  
**Alloy Steel:** ASTM A234 WP1/ WP5/ WP9/ WP11/ WP22/ WP91 etc.  
**Others:** Monel, Nickel, Inconel, Hastelloy, Copper, Brass, Bronze, Titanium, Tantalum, Bismuth, Aluminium, High Speed Steel, Zinc, Lead, Duplex Steel, etc.  
**Types:** Elbow, Tee, Reducer, Return Bends, Stub-Ends, Cap, Collar, Cross, Insert etc.  
**Size:** 1/4" NB TO 32" NB. (Seamless & Welded)  
**Wall Thickness:** Sch. SS To Sch. XXS.



## SOCKET-WELD FITTINGS



### Screwed & Forged Fittings

**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/ A350 LF3/ A350 LF2.

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

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

**Types:** Elbow, Tee, Union, Cross, Coupling, Cap, 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#.



## ROUND BARS

**Stainless Steel:** ASTM A 479 Gr 304/ 304L/ 304H/ 316/ 316L/ 316Ti/ 317/ 317L/ 321/ 309/ 310/ 347/ 409/ 410/ 416/ 420/ 430/ 431/ 904L/ En57, etc.  
**Others:** Nickel, Monel, Inconel, Hastelloy, Alloy20, Incoloy, Duplex & Super Duplex, Titanium, 5M06-254, Carbon Steel, Alloy Steel, Copper, Brass, Cupro Nickel, Aluminium, Zinc, Lead, 17.4PH, 440C etc.  
**Types:** Round, Square, Bars, Wires, Filler Wire, Hex, Welding Electrodes, etc.

## FLANGES

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

**Carbon Steel:** ASTM A105/ A694/F42/46/52/56/60/65/70/ A350 LF3/A350/ Lf2, etc.

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

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

**Types:** Weldneck, Slipon, Blind, Socket Weld, Lap Joint, Spectacles, Ring Joint, Oriface, Long Weldneck, Deck Flange, etc.

**Size:** 1/2" NB TO 24" NB. . Class: 150#, 300#, 400#, 600#, 900#, 1500# & 2500#.



## FASTENERS

**Stainless Steel:** AISI 304, 304L, 316, 316L, 310, 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, Phosphated, Cadmium Plated, Hot Deep Galvanized, Bloodied, Nickel Chrome Plated, etc.

**Non Ferrous Metal:** Copper, Brass, Aluminium, Titanium, Nichrome, Al.Bronze Phosphorous Bronze, 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.

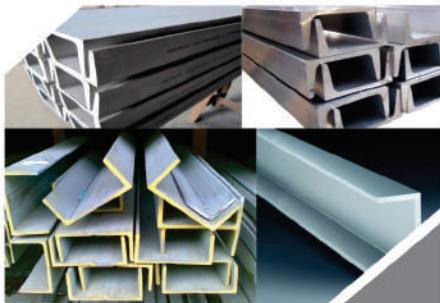
## VALVES

**Stainless Steel:** AISI 304, 304L, 316, 316L, 310, 317, 317L, 321, 347, 904L etc.

**Carbon Steel :** A105, A216, Gr. WCB, Cadmium Plated, Nickel, chrome Plated etc.

**Non-Ferrous Metal :** Copper, Brass, Titanium, Phosphorous Bronze etc.

**Type :** Ball Valve, Gate Valve, Check Valve, Needle, Valve, Mini Valve, Gauge Rott Valve, Globe Valve, Manifolds (2 Way, 3 Way, 5 Way)



## FLATS, ANGLE, CHANNEL & BEAM

**Stainless Steel:** SA 240 TP 304/ 304L/ 304H/ 316/ 316L/ 316Ti/ 317/ 317L/ 321/ 309/ 310/ 347/ 409/ 410/ 430/ 904L, etc.

**Others:** Nickel, Monel, Inconel, Hastelloy, Alloy20, Incoloy, Duplex & Super Duplex, 5M06-254, Carbon Steel, Alloy Steel, Copper, Brass, Cupro Nickel, Aluminium, Titanium, etc.,

**Types :** Available in All Sizes & Thickness



## QUALITY POLICY

We are committed to make **Prayag Steel** growth oriented organisation with recognition as reliable and consistent quality suppliers to our esteemed customers. with this, we wish to ensure Customer Satisfaction through our products and services and become a preferred source to cater customer requirements. We believe that these objective are best achieved by installing and maintaining the quality management system, continually improving its effectiveness, educating and motivating the employees to ensure consistent quality.

## FERRULE FITTINGS

**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/ A350 LF3/ A350 LF2.

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

**Duplex & Super Duplex Steel :** UNS S31803, UNS S32750, UNS S32760

**Other Alloys :** Monel, Nickel, Inconel, Hastalloy, Copper, Brass, Bronze, Titanium, Alloy 20 Etc.

**Types :** Nipples, Adaptors, Crosses, Union Ball Joints, Reducing Bushing, Reducers, Pipe Caps, Couplings, Pipe Plug, Hollow Hex Plug, Elbow, Reducing Union, 90 Deg. Union Elbow, Reducing 90 Deg. Union Elbow Etc. Extender Leg 90 Deg. Union Elbow, 45 Deg. Union Elbow, Union Tee, Female Connector, Male Connector, Manifold Tee, Locator Union, Extended Run Leg Union Tee, Reducing Tee, Tribow, ATW Weld Ring, Tube Socket weld To Pipe Butt Weld, Tube Butt Weld To Tube Socket Weld, Port Connector Etc.



## SOCKETWELD FITTINGS

**Elements :** Nippolet, Elbowlet, Latrolet, Sockolet & Weldolet, Threadolet

**Stainless Steel :** ASTM A-182, F304L, 316L, 310, 904L

**Carbon Steel :** ASTM A 105

**Size :** B/W Standard & Extra Long 1/8" To 24", Sch. 160 1/2" To 6" 3000# Threaded And S/W 1/8" To 4", 6000# Threaded And S/W 1/2" To 2"

**Rating :** 3000# (for Small Bore Branches)

**Ends :** Nippolet : Plain End, Sockolet : S/W End,

Weldolet & Elbowlet : B/W, Latrolet : S/W, B/W (as Per Branch Size)

**Grade :** Duplex, Super Duplex, Inconel, Monel, Hastelloy C, Nickel Alloy, Alloy 20 Etc.

**Dim Standard :** MSS-SP-97

**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**

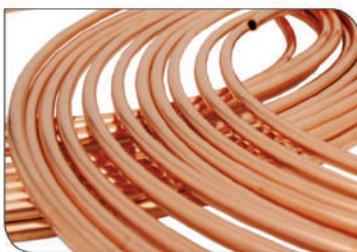
95 / 5 alloy, 90 / 10 alloy & 70 / 30 alloy.

**BRONZES**

Phosphorous Bronze Aluminium Bronze & Gun Metal,  
Phosphorous Bronze A B1 / A B2 Bush Round.



BRASS TUBES



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 & Cupronickel.

**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.



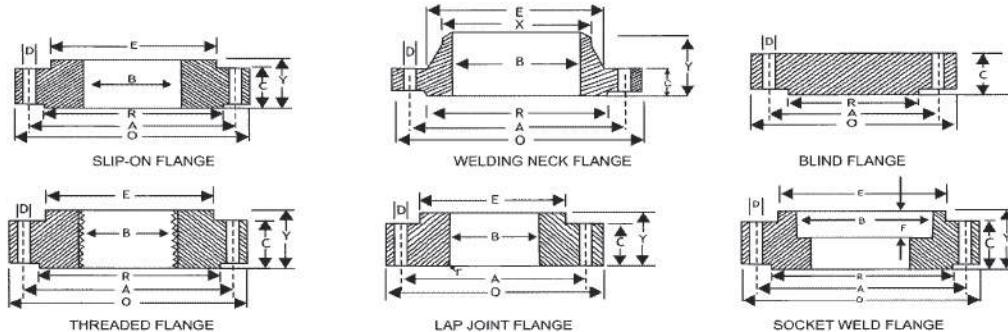
COPPER TUBES & SECTIONS

### STAINLESS STEEL PIPE DIMENSION AS PER ASTM & WEIGHT-KG. PER MTR. (ANSI B36.19)

Nominal Bore		Outside Diameter	Sch-5S		Sch-10S		Sch-40S		Sch-80S		Sch-160S		Sch-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)
3	1/8	10.3	1.24	0.276	1.24	0.28	1.73	0.37	2.41	0.47	-	-	-	-
6	1/4	13.7	1.24	0.390	1.65	0.49	2.24	0.631	3.02	0.80	-	-	-	-
10	3/8	17.1	1.24	0.490	1.65	0.63	2.31	0.845	3.20	1.10	-	-	-	-
15	1/2	21.3	1.65	0.800	2.11	1.00	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	2.87	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	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	3.56	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	3.68	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	3.91	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	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	5.49	11.30	7.62	15.2	11.1	21.3	15.24	27.65
100	4	114.3	2.11	5.84	3.05	8.36	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	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	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	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	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	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	11.13	94.59	19.05	158.08	35.71	281.70	-	-
400	16	406.4	4.19	41.56	4.78	47.29	12.7	123.30	21.41	203.33	40.46	365.11	-	-
450	18	457.2	4.19	46.80	4.78	53.42	14.27	155.80	23.8	254.36	45.71	466.40	-	-
500	20	508.0	4.78	59.25	5.54	68.71	15.09	183.42	26.19	311.2	49.99	564.68	-	-
600	24	609.6	5.54	82.47	6.35	94.45	17.48	255.41	30.96	442.08	59.54	808.22	-	-

### WEIGHT & THICKNESS OF S.S GUAGE PIPES

DIMENSION		10 SWG (3.2 MM)	12 SWG (2.6 MM)	14 SWG (2.1 MM)	16 SWG (1.65 MM)	18 SWG (1.2 MM)	19 SWG (1.0 MM)
Size	OD	Weight/MTR	Weight/MTR	Weight/MTR	Weight/MTR	Weight/MTR	Weight/MTR
1/2"	12.7	0.754	0.651	0.552	0.452	0.342	0.290
5/8"	15.875	1.006	0.856	0.718	0.582	0.437	0.369
3/4"	19.05	1.258	1.061	0.883	0.712	0.531	0.448
1"	25.4	1.762	1.470	1.214	0.972	0.720	0.605
1 1/4"	31.75	2.266	1.880	1.544	1.232	0.909	0.763
1 1/2"	38.1	2.770	2.289	1.875	1.492	1.098	0.920
2"	50.8	3.778	3.108	2.537	2.012	1.476	1.235
2 1/2"	63.5	4.786	3.928	3.198	2.531	1.854	1.550
3"	76.2	5.794	4.747	3.860	3.051	2.232	1.865
3 1/2"	88.9	6.802	5.566	4.521	3.571	2.610	2.180
4"	101.6	7.810	6.385	5.183	4.091	2.988	2.495



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 Flange C	Dia of Hub E	Length through Hub		Dia of Bore		Dia of R/F R	Depth of Socket F		
							S/O & S/W Y	W/N Y	L/J Y	S/O & S/W B	L/J 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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

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 Flange C	Dia of Hub E	Length through Hub		Dia of Bore		Dia of R/F R	Depth of Socket F		
							S/O & S/W Y	W/N Y	L/J Y	S/O & S/W B	L/J 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
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
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
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
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
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
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
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
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
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	-
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	-
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	-
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	-
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	-
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	-
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	-
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	-
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	-
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	-

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

**Dimension & Weight of Black & Galvanized ERW / Welded Steel  
Welded Steel Tubes Confirming to ISI : 1239 (I)**

**Dimension & Weight of Black & Galvanized ERW / Welded Steel  
Tubes Confirming to ISI - IS : 3589 Gr. FE-330/410**

SERIES/ CLASS	LIGHT / A			MEDIUM / B			HEAVY / C			SIZE		WALL THICKNESS (mm)											
	Nominal Bore	O.D. mm	Wall Thk mm	Weight Kg/m	Wall Thk mm	Weight Kg/m	Wall Thk mm	Weight Kg/m	P/E mm	S/S Kg/m	P/E mm	S/S Kg/m	NB	OD	4.00	5.00	6.00	6.35	7.00	8.00	9.50	10.00	
Inch	mm	mm	P/E Kg/m	S/S Kg/m	P/E Kg/m	S/S Kg/m	P/E Kg/m	mm	mm	mm	mm	Inch	mm	mm	mm	mm	mm	mm	mm	mm	mm		
1/2	15	21.3	2.0	0.947	0.956	2.6	1.21	1.22	3.2	1.44	1.45	7	175	193.7	18.71	23.27	27.77	29.34	32.23	36.63	-	-	
3/4	20	26.9	2.3	1.38	1.39	2.6	1.56	1.57	3.2	1.87	1.88	8	200	219.1	21.22	26.40	31.53	33.31	36.61	41.65	49.10	51.56	
1	25	33.7	2.6	1.98	2.00	3.2	2.41	2.43	4.0	2.93	2.95	10	250	273.1	26.54	33.06	39.52	41.77	45.93	52.30	61.75	64.88	
1.1/4	32	42.2	2.6	2.54	2.57	3.2	3.10	3.13	4.0	3.79	3.82	12	300	323.9	31.55	39.32	47.04	49.73	54.70	62.32	73.65	77.41	
1.1/2	40	48.3	2.9	3.23	3.27	3.2	3.56	3.60	4.0	4.37	4.41	14	350	355.6	34.68	43.23	51.73	54.69	60.18	68.57	81.08	85.22	
2	50	60.3	2.9	4.08	4.15	3.6	5.03	5.10	4.5	6.19	6.26	16	400	406.4	-	49.49	59.24	62.64	68.94	78.60	92.98	97.75	
2.1/2	65	76.1	3.2	5.71	5.83	3.6	6.42	6.54	4.5	7.93	8.05	18	450	457.0	-	55.73	66.73	70.57	77.68	88.58	104.84	110.23	
3	80	88.9	3.2	6.72	6.89	4.0	8.36	8.53	4.8	9.90	10.10	20	500	508.0	-	62.02	74.28	78.55	86.48	98.64	116.78	122.81	
4	100	114.3	3.6	9.75	10.00	4.5	12.20	12.50	5.4	14.50	14.80	24	600	609.6	-	74.60	89.37	94.53	104.09	118.76	140.68	147.96	
5	125	139.7	4.5	15.00	-	4.8	15.90	16.40	5.4	17.90	18.40	6	150	165.1	4.5	17.80	-	4.8	18.90	19.50	5.4	21.30	21.90

## Flange Dimension DIN Standard

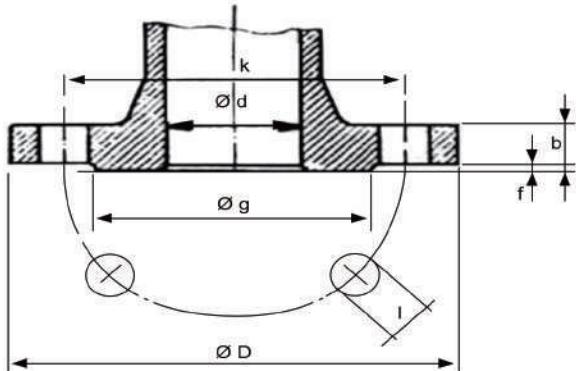


Raised Face Flange



Blind Flange, Raised Face

## Raised Face Flange, Blind Flange, Raised Face



d - Nominal bore  
 D - Flange diameter  
 b - Flange thickness  
 k - Pitch circle diameter  
 l - Hole diameter  
 g - Diameter of raised face  
 f - Height of raised face

## Flange Dimension DIN Standard

Flange		PN10						PN16									
DN	d	Dimension			Bolts			Dimension			Bolts						
mm		D	k	b	I	g	f	Nbr	Ø	D	k	b	I	g	f	Nbr	Ø
10	18	90	60	14	14	40	2	4	M12	90	60	14	14	40	2	4	M12
15	22.5	95	65	14	14	45	2	4	M12	95	65	14	14	45	2	4	M12
20	28	105	75	16	14	58	2	4	M12	105	75	16	14	58	2	4	M12
25	34.5	115	85	16	14	68	2	4	M12	115	85	16	14	68	2	4	M12
32	43.5	140	100	18	18	78	2	4	M16	140	100	18	18	78	2	4	M16
40	50	150	110	18	18	88	3	4	M16	150	110	18	18	88	3	4	M16
50	61.5	165	125	18	18	102	3	4	M16	165	125	18	18	102	3	4	M16
65	77.5	185	145	18	18	122	3	4	M16	185	145	18	18	122	3	4	M16
80	90.5	200	160	20	18	138	3	8	M16	200	160	20	18	138	3	8	M16
100	117	220	180	20	18	158	3	8	M16	220	180	20	18	158	3	8	M16
125	142	250	210	22	18	188	3	8	M16	250	210	22	18	188	3	8	M16
150	170	285	240	22	22	212	3	8	M20	285	240	22	22	212	3	8	M20
175	192	315	270	24	22	242	3	8	M20	315	270	24	22	242	3	8	M20
200	220	340	295	24	22	268	3	8	M20	340	295	24	22	268	3	12	M20
250	276	395	350	26	22	320	3	12	M20	405	355	28	26	320	3	12	M24
300	327	445	400	26	22	370	4	12	M20	460	410	30	26	378	4	12	M24
350	360	505	460	26	22	430	4	16	M20	520	470	30	26	438	4	16	M24
400	410	565	515	26	26	482	4	16	M24	580	525	32	30	490	4	16	M27

Flange		PN25						PN40									
DN	d	Dimension			Bolts			Dimension			Bolts						
mm		D	k	b	I	g	f	Nbr	Ø	D	k	b	I	g	f	Nbr	Ø
10	18	90	60	16	14	40	2	4	M12	90	60	16	14	40	2	4	M12
15	22.5	95	65	16	14	45	2	4	M12	95	65	16	14	45	2	4	M12
20	28	105	75	18	14	58	2	4	M12	105	75	18	14	58	2	4	M12
25	34.5	115	85	18	14	68	2	4	M12	115	85	18	14	68	2	4	M12
32	43.5	140	100	18	18	78	2	4	M16	140	100	18	18	78	2	4	M16
40	50	150	110	18	18	88	3	4	M16	150	110	18	18	88	3	4	M16
50	61.5	165	125	20	18	102	3	4	M16	165	125	20	18	102	3	4	M16
65	77.5	185	145	22	18	122	3	8	M16	185	145	22	18	122	3	8	M16
80	90.5	200	160	24	18	138	3	8	M16	200	160	24	18	138	3	8	M16
100	117	235	190	24	22	162	3	8	M20	235	190	24	22	162	3	8	M20
125	142	270	220	26	26	188	3	8	M24	270	220	26	26	188	3	8	M24
150	170	300	250	28	26	218	3	8	M24	300	250	28	26	218	3	8	M24
175	192	330	280	28	26	248	3	12	M24	350	295	32	30	260	3	12	M24
200	220	360	310	30	26	278	3	12	M24	375	320	34	30	285	3	12	M27
250	276	425	370	32	30	335	3	12	M27	450	385	38	33	345	3	12	M27
300	327	485	430	34	30	395	4	16	M27	515	450	42	33	410	4	16	M30
350	360	555	490	38	33	450	4	16	M30	580	510	46	36	465	4	16	M33
400	410	620	550	40	36	505	4	16	M33	660	585	50	39	535	4	16	M36

## Dimension of Pipe Flanges as per Table BS-10

TABLE - D					
For Working Stream Pressure above 250 lbs and upto 350 lbs per sq. inch					
Nominal Pipe Size (in m)	Dia. of Flang	Dia. of Bolt Circle (PCD)	No. of Bolt	Dia. of Bolt	Thickness of Flange
mm	mm	mm	mm	mm	mm
15	95	67	4	13	5
20	102	73	4	13	5
25	114	83	4	13	5
32	121	87	4	13	6
40	133	98	4	13	6
50	152	114	4	16	8
65	165	127	4	16	8
80	184	145	4	16	10
100	216	178	4	16	10
125	254	210	8	16	13
150	279	235	8	16	13
200	337	292	8	16	13
250	406	356	8	19	16
300	457	406	12	19	16
350	527	470	12	22	19
400	578	521	12	22	19
450	641	584	12	22	22
500	705	641	16	22	25
600	826	756	16	25	29

TABLE - E					
For Working Stream Pressure above 350 lbs and upto 450 lbs per sq. inch					
Nominal Pipe Size (in mm)	Dia. of Flang	Dia. of Bolt Circle(PCD)	No. of Bolt	Dia. of Bolt	Thickness of Flange
mm	mm	mm	mm	mm	mm
15	95	67	4	13	6
20	102	73	4	13	6
25	114	83	4	13	7
32	121	87	4	13	8
40	133	98	4	13	9
50	152	114	4	6	10
65	165	127	4	16	10
80	184	145	4	16	11
100	216	178	8	16	13
125	254	210	8	16	14
150	279	235	8	19	17
200	337	292	8	19	19
250	406	356	12	19	22
300	457	406	12	22	25
350	527	470	12	22	25
400	578	521	12	22	25
450	641	584	16	22	29
500	705	641	16	22	32
600	826	756	16	25	38

TABLE - F					
For Working Stream Pressure above 250 lbs and upto 350 lbs per sq. inch					
Nominal Pipe Size (in mm)	Dia. of Flang	Dia. of Bolt Circle (PCD)	No. of Bolt	Dia. of Bolt	Thickness of Flange
mm	mm	mm	mm	mm	mm
15	95	67	4	13	10
20	102	73	4	13	10
25	121	87	4	16	10
32	133	98	4	16	13
40	140	105	4	16	13
50	165	127	4	16	16
65	184	145	8	16	16
80	203	165	8	16	16
100	229	191	8	16	19
125	279	235	8	19	22
150	305	260	12	19	22
200	368	324	12	19	25
250	432	381	12	22	25
300	489	438	16	22	29
350	552	495	16	25	32
400	610	552	20	25	32
450	673	610	20	29	35
500	737	673	24	29	38
600	851	781	24	32	38

TABLE - H					
For Working Stream Pressure above 350 lbs and upto 450 lbs per sq. inch					
Nominal Pipe Size (in mm)	Dia. of Flang	Dia. of Bolt Circle(PCD)	No. of Bolt	Dia. of Bolt	Thickness of Flange
mm	mm	mm	mm	mm	mm
15	114	83	4	16	13
20	114	83	4	16	13
25	121	87	4	16	14
32	133	98	4	16	17
40	140	105	4	16	17
50	165	127	4	16	19
65	184	145	8	16	19
80	203	165	8	16	22
100	229	191	8	16	25
125	279	235	8	19	29
150	305	260	12	19	29
200	368	324	12	19	32
250	432	381	12	22	35
300	489	438	16	22	38
350	552	495	16	25	41
400	610	552	20	25	44
450	673	610	20	29	48
500	737	673	24	29	51
600	851	781	24	32	57

**Dimension :** ASTM A 270 TP

**Size :** 1/2" (12.7mm OD) to 12" (304.8mm OD)

**Thickness :** 1mm, 1.2mm, 1.6mm, 2mm, 3mm

**Stainless Steel :** ASTM A 270, 304, 304L, 316, 316L



90° Bend Plain



Tee Plain



Con Reducer



45° Bend Plain



Cross Tee Plain



Y Bend Plain



TC Tee



TC Bend 90°



TC Y-Bend



TC 45° Bend



TC U Bend



TC Reducer



TC CKMIs



SMS Bend



TC Clamp Indian Set



TC Clamp Full Set



TC Clamp



TC Ferrule



Ferrule Blind



Union Ring



TC Gasket



Butterfly Gasket



Dairy Pipe Holder



Dairy Pipe Holder Imported



Dairy Clamp with Stand



SMS Union



DIN Union



Side View Glass



Blind Nut



Welded Union



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