



PRISHA ALLOYS LLP

AN ISO 9001:2015 CERTIFIED CO.





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Company Profile

PRISHA ALLOYS LLP is one of the leading Manufacturers, Stockist & Supplier of all kinds of Stainless Steel & Alloy Steel products. We have set up our business empire since last One Decade serving many core industries all through out most satisfactorily.

We always strive to meet the exacting standards of quality for our products, which are as per accepted International standards. We supply better quality and better value for money to our customers using best quality control trained manpower coupled with cost effectiveness that will sustain our future growth.

Quality Policy

"Quality is never an accident; it is always the result of high intention, sincere effort, intelligent direction and skillful execution, its represents the wise choice, of many alternatives. "The Company possesses the most modern plants, equipped with the latest machinery which ensures production of quality products. The manufactured quality products have earned the trust of customers all over the world. We are committed to satisfy our customers through supply of quality products and to ensure continual improvement in this direction.

- Continual improvement in quality to minimize the customer complaints.
- To ensure timely delivery of products to customer.
- Improvement skill of work force
- To minimize the waste percentage

Why Choose Us

- Reasonable rates
- Quick Response
- Experienced Tradesman
- Exceptional Standards
- Customized packaging
- Customer focused approach
- Superior quality products
- Timely delivery of products
- Experience and speciality in work

Our Vision

We aspire to become the Indian Stainless Steel Pipe Industry's benchmark by delivering superior value products to our customers, through innovation and leadership in operational excellence.

Our Mission

Consistent with the vision and values of our founders, We strive to strengthen India's industrial base through effective utilisation of staff and materials. The means envisaged to achieve this are cutting-edge technology, high productivity and being consistent with modern management practices. **Prisha Alloys LLP** recognises that honesty and integrity are essential ingredients of a strong and stable enterprise, profitability provides the main spark for economic activity.

Brands



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Pipes & Tubes

Stainless Steel : ASTM A312 TP 304 / 304L / 304H / 316 / 316L / 316H / 317 / 317L / 321 / 321H / 310 / 347 / 347H / 904L etc.

Carbon Steel : ASTM A53 GR. B / A106 GR. B / API 5L GR. B / API 5L GR. X42 / 46 / 52 / 56 / 60 / 65 / 70 / A333 GR. 3 / GR. 6 etc.

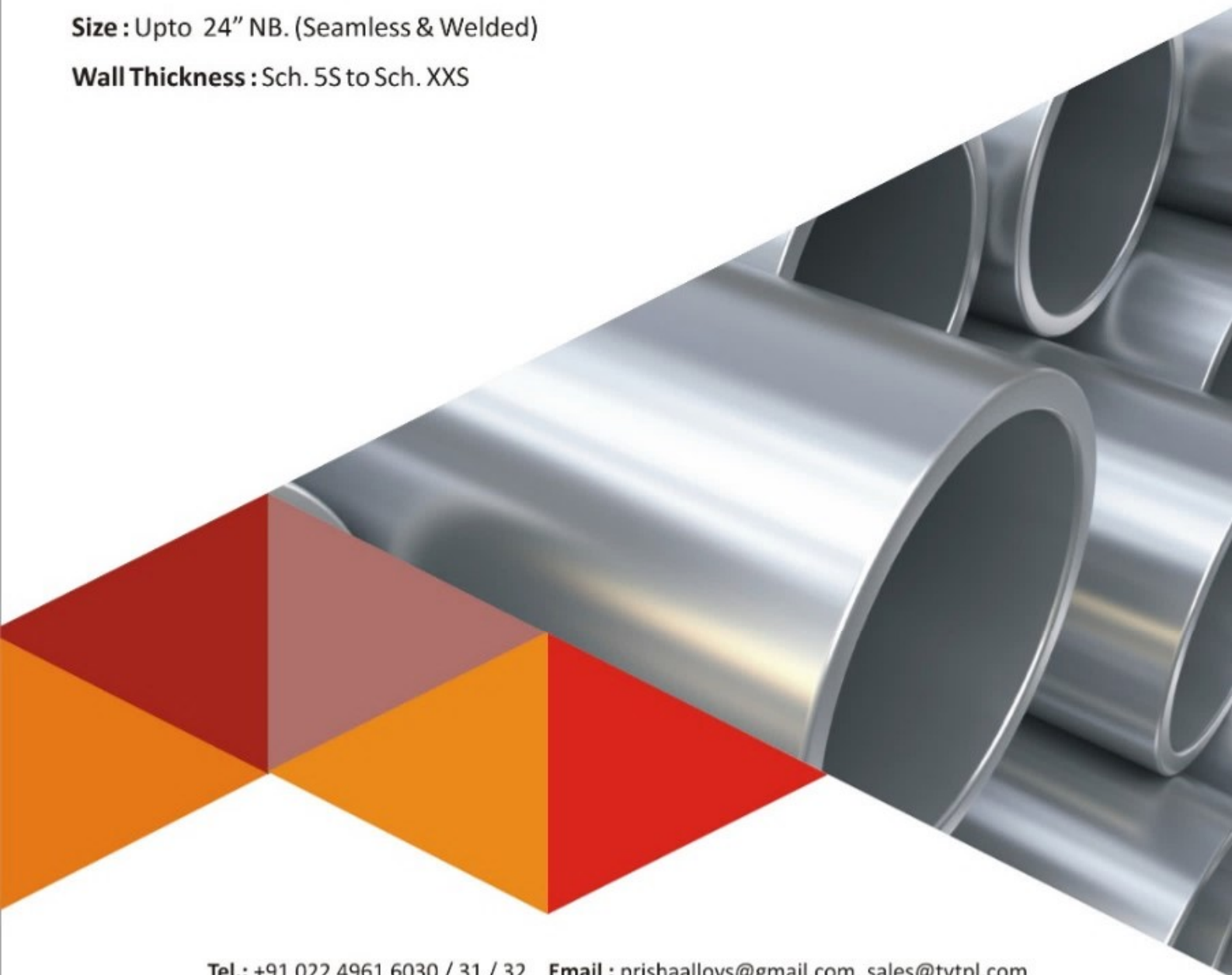
Alloy Steel : ASTM A335 GR. P1 / P5 / P9 / P11 / P22 / P91 etc.

Others : Duplex, Super Duplex, Inconel, Monel Hastelloy, Nickel, Alloy 20, 254 SMO, 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. 5S to Sch. XXS





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Sheets & Plates

Stainless Steel Coils, Sheets & Plates as per ASTM A 240 Gr. TP 304, 304L, 304LN, 309, 309S, 309H, 310S, 310H, 316, 316L, 316H, 316LN, 316TI, 317, 317L, 321, 321H, 347, 347H, 348, 348H, 409, 410, 420, 430 etc.

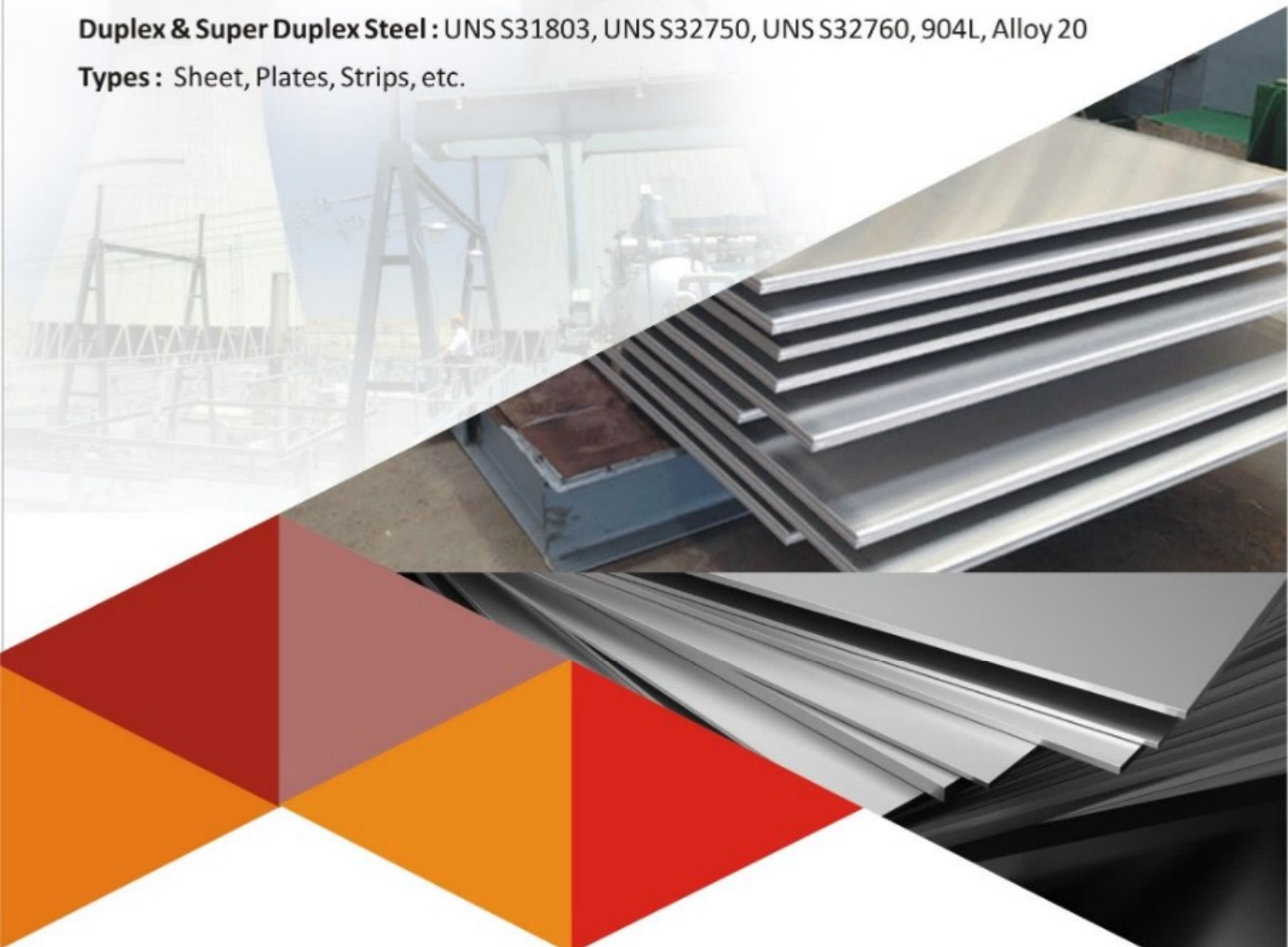
Alloy Steel Plates as per ASTM A 387 Gr. 2, 5, 9, 11, 12 & 22 in class 1 & 2, ASTM A 204, Gr. A & B, DIN 17175 Gr. 15Mo3 & 16Mo3 with IBR Test Certificate.

Carbon Steel / Boiler Quality Plates as per IS 2062 Gr. A, B & C, IS 2002 Gr. 1 & 2, ASTM A516 Gr. 60 & 70 ASTM A515 Gr. 70.

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

Duplex & Super Duplex Steel : UNS S31803, UNS S32750, UNS S32760, 904L, Alloy 20

Types : Sheet, Plates, Strips, etc.





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ANGLE / CHANNEL / FLAT BAR

Size

Sizes of Angles :

- 20mm to 150mm, in Thk
- = 3mm to 12mm

Sizes of Channels :

- 20mm to 500mm, in Thk
- = 3mm to 50mm

Grades

Stainless Steel : 304/304L, 316/316L/316Ti, 321, 310/310S, 317/317L, 347, 17-4Ph, 15-5Ph, 904L, 410, 420, 430, 431, 430F, 416, 440C etc.

Copper, Brass, Aluminium, Hast Alloy, Titanium, Monel, Inconel, Nickel, etc.

Duplex Steel : UNS 31803, UNS32205, UNS 32750, UNS 32760

Alloy Steel : F5, F9, F11, F22, F91. Carbon Steel, Mild Steel, (EN Series)

Specification : ASTM, AISI, ASME, DIN, UNS etc.

FASTENERS

Duplex & Super Duplex : 347, 310, 303, 304/304H, 316/316L, 317/317L, 17/4PH, 410, 431, Nitronic 50, Nitronic 60, Nitronic 80A

Duplex & Super Duplex : UNS S31803, UNS S32750, UNS S32760, UNS S3250, 254 SMO

Hastelloy Alloy : Hastelloy C4, Hastelloy B2, Hastelloy G30, Hastelloy B3, Hastelloy C276, Hastelloy X, Hastelloy C22

Incoloy Alloys : Incoloy Alloy 20, Incoloy Alloy 800,

Incoloy Alloy 800H/800HT, Incoloy Alloy 825,

Incoloy Alloy 925, Incoloy Alloy A286

Monel Alloys : Monel 400, Monel R405, Monel K500.

Types :

- ANCHOR FASTENERS
- HEX HEAD BOLTS
- SOCKET CAPS SCREW
- HEX NUTS
- EYE BOLTS
- WASHERS
- STUB BOLTS
- THREADED RODS
- COUNTERSUNK BOLTS
- FLAT / SPRING / LOCK WASHERS
- FOUNDATION BOLTS
- REFRACTORY ANCHOR





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STAINLESS STEEL PIPE DIMENSION AS PER ASTM AND WEIGHT-KG. PER MTR. (ANSI B 36.19-1965)

Nominal Bore		Outside Diameter	Schedule 5S		Schedule 10		Schedule 10S		Schedule 20		Schedule 40		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)	Wt mm	Weight (Kg/mt)	Wt mm	Weight (Kg/mt)
3	1/8	10.3	1.24	0.28	1.24	0.28	1.24	0.28	1.5	0.33	1.73	0.37	1.73	0.37	2.41	0.47	-	-	-	-
6	1/4	13.7	1.24	0.39	1.65	0.49	1.65	0.49	2.00	0.58	2.24	0.64	2.24	0.64	3.02	0.80	-	-	-	-
10	3/8	17.1	1.24	0.49	1.65	0.63	1.65	0.63	2.00	0.74	2.31	0.85	2.31	0.85	3.2	1.10	-	-	-	-
15	1/2	21.3	1.65	0.80	2.11	1.00	2.11	1.00	2.30	1.07	2.77	1.27	2.77	1.27	3.75	1.63	4.75	1.95	7.47	2.56
20	3/4	26.7	1.65	1.03	2.11	1.29	2.11	1.29	2.55	1.52	2.87	1.70	2.87	1.70	3.91	2.21	5.54	2.91	7.82	3.66
25	1	33.4	1.65	1.30	2.11	2.10	2.11	2.10	3.00	2.25	3.38	2.52	3.38	2.52	4.55	3.26	6.35	4.26	9.09	5.48
32	1.1/4	42.2	1.65	1.66	2.77	2.71	2.77	2.71	3.00	2.90	3.56	3.41	3.56	3.41	4.85	4.49	6.35	5.65	9.7	7.82
40	1.1/2	48.3	1.65	1.91	2.77	3.13	2.77	3.13	3.00	3.35	3.68	4.07	3.68	4.07	5.08	5.45	7.14	7.29	10.16	9.61
50	2	60.3	1.65	2.40	2.77	3.95	2.77	3.95	3.00	4.24	3.91	5.47	3.91	5.47	5.54	7.52	8.74	11.18	11.07	13.52
65	2.1/2	73.0	2.11	3.71	3.05	5.29	3.05	5.29	3.50	6.81	5.16	8.68	5.16	8.68	7.01	11.47	9.53	15.00	14.2	20.71
80	3	88.9	2.11	4.54	3.05	6.56	3.05	6.49	4.00	8.37	5.49	11.47	5.49	11.36	7.62	15.36	11.10	21.42	15.24	27.84
100	4	114.3	2.11	5.87	3.05	8.50	3.05	8.41	4.50	12.18	6.02	16.32	6.02	16.17	8.56	22.45	13.49	33.73	17.12	41.26
125	5	141.3	2.77	9.52	3.40	11.74	3.40	11.63	5.00	16.80	6.55	22.10	6.55	21.89	9.53	31.97	15.88	49.39	19.05	57.76
150	6	168.1	2.77	11.37	3.40	14.04	3.40	13.90	6.35	25.36	7.11	28.70	7.11	28.42	10.97	42.80	18.20	67.75	21.95	79.67
200	8	219.1	2.77	14.86	3.76	20.27	3.76	20.08	6.35	33.83	8.18	43.20	8.18	42.79	12.7	65.01	23.00	111.86	22.23	108.54
250	10	273.1	3.40	22.74	4.19	28.21	4.19	27.94	6.35	42.41	9.27	61.23	9.27	60.65	12.7	82.02	28.00	172.4	25.4	156.03
300	12	323.9	3.96	31.42	4.57	36.54	4.57	36.19	6.35	50.49	10.31	80.96	9.52	74.22	12.7	98.02	33.32	240.12	25.4	188.03
350	14	355.6	3.96	34.53	6.35	55.53	4.78	41.59	7.92	68.95	11.13	96.00	11.13	95.08	19.05	159.00	35.71	283.30	-	-
400	16	406.4	4.19	41.79	6.35	63.61	4.78	47.61	7.92	79.03	12.70	125.20	12.7	124.00	21.41	204.42	40.46	367.19	-	-
450	18	457.2	4.19	47.07	6.35	71.69	4.78	53.63	7.92	89.10	14.27	158.27	14.27	156.75	23.8	255.81	45.71	466.47	-	-
500	20	508.0	4.78	59.65	6.35	79.76	5.54	69.03	9.53	118.95	15.09	186.25	15.09	184.46	26.19	312.94	49.99	567.82	-	-
600	24	609.6	5.54	82.99	6.35	95.92	6.35	95.00	9.53	143.20	17.45	258.74	17.48	256.69	30.96	444.28	59.54	812.21	-	-
650	26	660.4			7.92	129.40	7.92	129.40	12.70	205.97	-	-	9.53	155.32	12.7	205.97				
700	28	711.2			7.92	139.47	7.92	139.47	12.70	222.13	-	-	9.53	167.44	12.7	222.13				
750	30	762.0	6.35	120.11	7.92	149.55	7.92	149.55	12.70	238.28	-	-	9.53	179.56	12.7	238.28				
800	32	812.8	-	-	7.92	159.62	7.92	159.62	12.70	254.44	17.48	348.11	9.53	191.69	12.7	254.44				
850	34	863.6	-	-	7.92	169.70	7.92	169.70	12.70	270.59	17.48	370.35	9.53	203.74	12.7	270.59				
900	36	914.4	-	-	7.92	179.77	7.92	179.77	12.70	286.75	19.05	427.09	9.53	215.93	12.7	286.75				



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WEIGHT & THICKNESS OF S.S. GAUGE 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



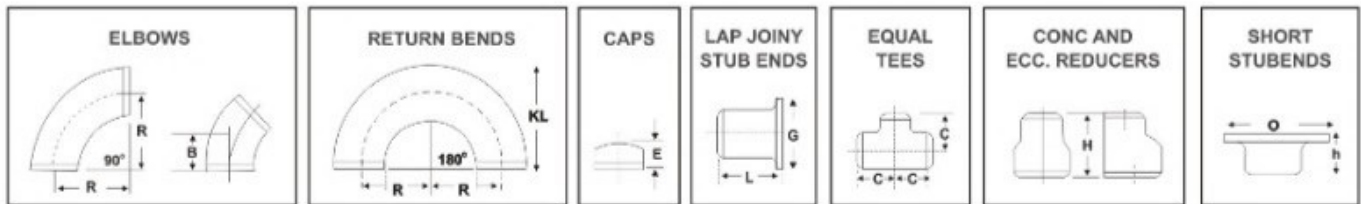


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BUTT WELDING FITTING TO ANSI B16.9

STAINLESS STEEL ASTM A403 / CARBON STEEL ASTM A234



NOM BORE	PIPE O.D.	WALL THICKNESS				RADIUS				R				A	B	C	E	G	L		H	D	H
		5S	10S	40S	80S	1D	1.5D	2D	3D										SHORT	LONG			
1/2	21.34	1.65	2.11	2.77	3.73	12.7	19.05	25.4	38.1	12.7	15.9	25.4	25.4	34.9	50.8	76.2	50.8	42	8				
3/4	26.67	1.65	2.11	2.87	3.91	19.05	28.57	38.10	57.15	19.05	11.1	28.6	25.4	42.8	50.8	76.2	50.8	52	8				
1	33.40	1.65	2.77	3.38	4.55	25.4	38.1	50.8	76.2	25.4	22.2	38.1	38.1	50.8	50.8	101.6	50.8	62	10				
1 1/4	42.16	1.65	2.77	3.56	4.85	31.75	47.6	63.5	95.25	31.75	25.0	47.6	38.1	63.5	50.8	101.6	50.8	72	12				
1 1/2	48.26	1.65	2.77	3.68	5.08	38.1	57.15	76.2	114.3	38.10	28.6	57.2	38.1	73.0	50.8	101.6	63.5	82	12				
2	60.32	1.65	2.77	3.91	5.54	50.8	76.2	101.6	152.4	50.8	34.0	63.5	38.1	92.0	63.5	152.4	76.2	98	16				
2 1/2	73.02	2.11	3.05	5.16	7.01	63.5	95.25	127.0	190.5	63.5	44.0	76.2	38.1	104.8	63.5	152.4	88.9	118	16				
3	88.90	2.11	3.05	5.49	7.62	76.2	114.30	152.4	228.6	76.2	50.8	86.7	50.8	127.0	63.5	152.4	88.9	130	18				
3 1/2	101.60	2.11	3.05	5.74	8.08	88.9	133.35	177.8	266.7	88.9	57.2	95.3	63.5	139.7	76.2	152.4	101.6	140	18				
4	114.30	2.11	3.05	6.02	8.56	101.6	152.4	203.2	304.8	101.6	63.5	104.8	63.5	157.2	76.2	152.4	101.6	168	20				
5	141.30	2.77	3.40	6.55	9.52	127.0	190.5	254.0	381.0	127.0	82.6	123.8	76.2	185.7	76.2	203.2	127.0	188	25				
6	168.27	2.77	3.40	7.11	10.97	152.4	226.6	304.8	457.2	152.4	95.3	142.7	88.9	215.9	88.9	203.2	139.7	215	25				
8	219.07	2.77	3.76	8.18	12.7	203.2	304.8	406.4	609.6	203.2	127.0	177.5	101.6	270.0	101.6	203.2	152.4	270	30				
10	273.05	3.40	4.19	9.27	12.7	254.0	381.0	508.0	762.0	254.0	158.7	215.9	127.0	324.0	127.0	254.0	177.8	330	35				
12	323.85	3.96	4.57	9.52	12.7	304.8	457.2	609.6	914.4	304.8	190.5	254.0	152.4	381.0	152.4	254.0	203.2	400	40				
14	355.60	3.96	4.76	9.52	12.7	355.6	533.4	711.2	1066	355.6	222.2	280.0	165.1	412.8	152.4	305.0	330.2	-	-				
16	406.40	4.19	4.76	9.52	12.7	406.4	609.6	812.8	1219	406.4	254.0	304.8	177.8	470.0	152.4	305.0	355.6	-	-				
18	457.20	4.19	4.76	9.52	12.7	457.2	685.8	914.4	1372	457.2	285.7	343.0	203.2	533.4	152.4	305.0	381.0	-	-				
20	508.00	4.76	5.54	9.52	12.7	508.0	762.0	1016	1524	508.0	317.6	381.0	228.6	584.2	152.4	305.0	508.0	-	-				
24	609.60	5.54	6.35	9.52	12.7	609.6	914.4	1219	1829	-	381.0	431.8	266.7	698.5	152.4	305.0	508.0	-	-				

STANDARDS : All dimensions are in mm and confirm to ANSI B 16.9 and MSS. SP-43

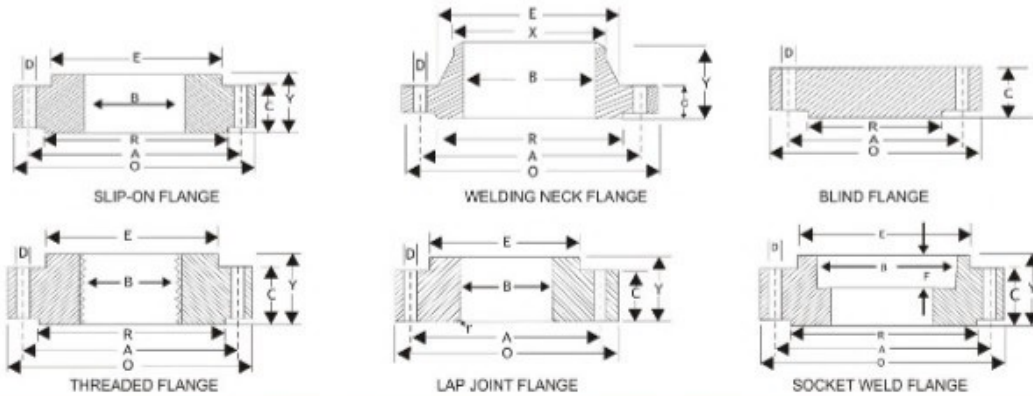
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FLANGES CLASS 150 & 300



DIMENSIONS OF CLASS150 FLANGES AS PER B16.5

Nominal Pipe Size	Flange Dia O	Dia of Bolt Circle A	No. Of Bolt Holes D	No. Of Holes	Thk of Flange C	Dia of Hub E	Length through Hub			Dia Bore		Dia of R/F R	Depth of Socket F	Pipe Dia X
							S/O & S/W Y	W/N Y	L/J Y	S/O & S/W B	L/J B			
15	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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

DIMENSIONS OF CLASS 300 FLANGES AS PER B16.5

Nominal Pipe Size	Flange Dia O	Dia of Bolt Circle A	No. Of Bolt Holes D	No. Of Holes	Thk of Flange C	Dia of Hub E	Length through Hub			Dia Bore		Dia of R/F R	Depth of Socket F	Pipe Dia X
							S/O & S/W Y	W/N Y	L/J Y	S/O & S/W B	L/J B			
15	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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

Metric values are direct conversion from inches table of B16.5

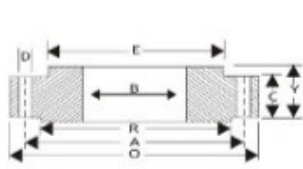
Flanges except Lap Joint will be furnished with (1.6 mm) raised face, Which is included in " Thickness" (C) and Length Through Hub (Y).



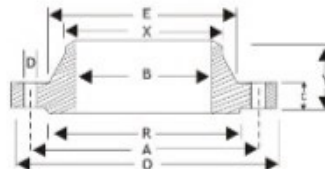
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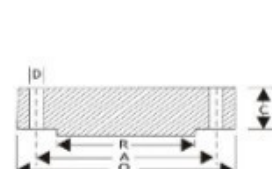
FLANGES CLASS 600 & 900



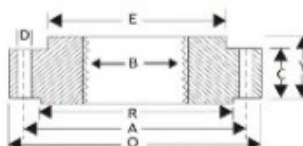
SLIP-ON FLANGE



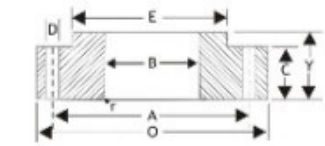
WELDING NECK FLANGE



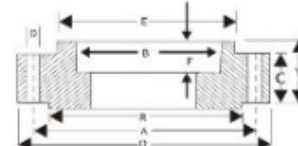
BLIND FLANGE



THREADED FLANGE



LAP JOINT FLANGE



SOCKET WELD FLANGE

DIMENSIONS OF CLASS 600 FLANGES AS PER B 16.5

Nominal Pipe Size	Flange Dia O	Dia of Bolt Circle A	No. of Bolt Holes D	No. of Holes	Thk of Flange C	Dia of Hub E	Length through Hub			Dia Bore		Dia of R/F R	Depth of Socket F	Pipe Dia X
							S/O & S/W Y	W/N Y	L/J Y	S/O & S/W B	L/J 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	141.5	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	56.6	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	277.3	323.8	-	273.05
300	558.8	488.9	34.9	20	66.7	400.0	92.1	155.6	117.3	327.1	328.1	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	462.2	533.4	-	457.20
500	812.8	723.9	44.4	24	88.9	609.6	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

DIMENSIONS OF CLASS 900 FLANGES AS PER B 16.5

Nominal Pipe Size	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 Bore		Dia of R/F R	Depth of Socket F	Pipe Dia X
							S/O & S/W Y	W/N Y	L/J Y	S/O & S/W B	L/J 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	157.1	-	114.30
125	349.2	279.4	35.0	8	50.8	190.5	79.3	127.0	79.2	143.7	141.5	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	269.8	-	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

Metric values are direct conversion from inches table of B16.5

RF Thickness 6.3 mm Extra to be provided (Except Lap Joint Flange & FF Flanges).

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APPLICATION INDUSTRIES

Oil & Gas Pharmaceuticals
 Cement Plants Sugar Industries Textile
 Power Plants Machineries
 Paper & Pulp Industries
 Engineering
 Petroleum Refineries Automobile

**FORMULA OF WEIGHT CALCULATION**

1) WEIGHT OF STAINLESS STEEL PIPES $\text{O.D. (mm)} - \text{W.T. (mm)} \times \text{W.T. (mm)} \times 0.0248 = \text{Kg. per Mtr.}$ $\text{O.D. (mm)} - \text{W.T. (mm)} \times \text{W.T. (mm)} \times 0.00756 = \text{Wt. Per Feet.}$	8) WEIGHT OF BRASS PIPE / COPPER PIPE $\text{O.D. (mm)} - \text{Thick (mm)} \times \text{Thick (mm)} \times 0.0260 = \text{Wt. Per Mtr.}$
2) WEIGHT OF STAINLESS STEEL ROUND BAR $\text{DIA (mm)} \times \text{DIA (mm)} \times 0.00623 = \text{Wt. Per Mtr.}$ $\text{DIA (mm)} \times \text{DIA (mm)} \times 0.00623 = \text{Wt. Per Feet.}$	9) WEIGHT OF LEAD PIPE $\text{O.D. (mm)} - \text{Wt. (mm)} \times \text{Wt. (mm)} \times 0.0345 = \text{Wt. Per Mtr.}$
3) WEIGHT OF STAINLESS STEEL SQUARE BAR $\text{DIA (mm)} \times \text{DIA (mm)} \times 0.00788 = \text{Wt. Per Mtr.}$ $\text{DIA (mm)} \times \text{DIA (mm)} \times 0.0024 = \text{Wt. Per Feet.}$	10) WEIGHT OF ALUMINUM PIPE $\text{Length (Mtr.)} \times \text{Width (Mtr.)} \times \text{Thick (mm)} \times 0.0083 = \text{Wt. Per Mtr.}$
4) WEIGHT OF STAINLESS STEEL SQUARE BAR $\text{A/F (mm)} \times \text{A/F (mm)} \times 0.00680 = \text{Wt. Per Mtr.}$ $\text{A/F (mm)} \times \text{A/F (mm)} \times 0.002072 = \text{Wt. Per Feet.}$	11) WEIGHT OF ALUMINUM SHEET $\text{Length (Mtr.)} \times \text{Width (Mtr.)} \times \text{Thick (mm)} \times 2.69 = \text{Wt. Per PC}$
5) WEIGHT OF STAINLESS STEEL FLAT BAR $\text{Width (mm)} \times \text{Thick (mm)} \times 0.00798 = \text{Wt. Per Mtr.}$ $\text{Width (mm)} \times \text{Thick (mm)} \times 0.00243 = \text{Wt. Per Feet.}$	12) WEIGHT OF CONVERSION OF MTR. TO FEET $\text{Weight of 1 Mtr.} \div 3.2808 = \text{Feet}$
6) WEIGHT OF STAINLESS STEEL SHEETS & PLATES $\text{Length (Mtrs)} \times \text{Width (Mtrs)} \times \text{Thick (mm)} \times 8 = \text{Kg. Per Sheet}$ $\text{Length (Ft)} \times \text{Width (Ft)} \times \text{Thick (mm)} \times 3/4 = \text{Kg. Per Sheet}$	13) WEIGHT OF CALCULATING WIDTH OF SHEET FOR MAKING PIPE $\text{Outer DIA} - \text{Wall Thickness} \times 22/7 \text{ Width of Sheet}$
7) WEIGHT OF STAINLESS STEEL CIRCLE $\text{DIA (mm)} \times \text{DIA (mm)} \times \text{Thick (mm)} \div 160 = \text{Gms. Per PC}$ $\text{DIA (mm)} \times \text{DIA (mm)} \times \text{Thick (mm)} \times 0.0000063 = \text{Kg. Per PC}$	14) FORMULA FOR HEALTHY BUSINESS $\text{Honesty} + \text{Quality of Goods} + \text{Quick Service}$ $+ \text{Reasonable Rate} = \text{Good Health of Business}$



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