



PRODUCTS CATALOGUE



JAINEX METAL INDUSTRIES

ISO 9001:2015 CERTIFIED

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COMPANY PROFILE

We are Manufacturer, Stockholder, Supplier and Exporter of Fittings, Flanges, Fasteners, Rods & Bars and Pipes & Tubes. Our company was established in the year 2009 and we have made phenomenal progress in short span of time. We have systematic execution of work and dedication towards commitment and quality. We assure quality of our products with competitive price.

PRODUCTS

▶ TRICLOVER FITTINGS

Size 1/2" OD to 6" OD

Types Tri Clover Clamp, TC Ferrule, TC Gasket, TC Blank, TC Hose, TC Tee, TC Reducer, TC U-Bend, TC Elbow, TC Cross, Pipe Holder Clamps, SMS Union, Spray Ball, etc.

Grades SS 304, 316 & 316L



▶ ELECTROPOLISH - DAIRY & PHARMA FITTINGS

Size 1/2" OD to 6" OD

Types Elbow, Bend, Concentric Reducer, Eccentric Reducer, Cross, Equal Tee, Unequal Tee etc.

Grades SS 304, 316 & 316L

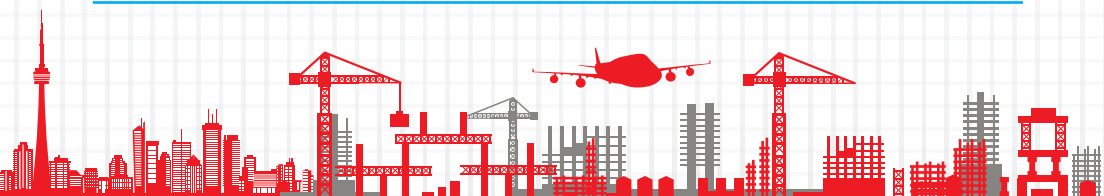


▶ SOCKET-WELD & THREADED FITTINGS

Size 1/4" NB TO 4" NB

Types Elbow, Bend, Equal Tee, Unequal Tee, Nipple, Cross Tee, Reducer, Coupling, Hex Union, Plug, Weldolet, Elbowlet, Sockolet, Threadolet, Nipolet, Letrolet etc.

Class 3000#, 6000#, 9000#





FLANGES

Size	½” NB to 72” NB
Types	Slip-on, Weld neck, Blind, Lap joint, Ring joint, Spectacles, Orifice, Long Weld neck, Socket weld
Class	150#, 300#, 600#, 900#, 1500#, 2500#, 3000#, PN6, PN10, PN16, PN25, PN40, PN63, PN100, BS10- TABLE D/E/F/H
Schedule	SCH 10, 20, 40, 60, 80, 100, 120, & 160, XS, XXS or any customized wall thickness required



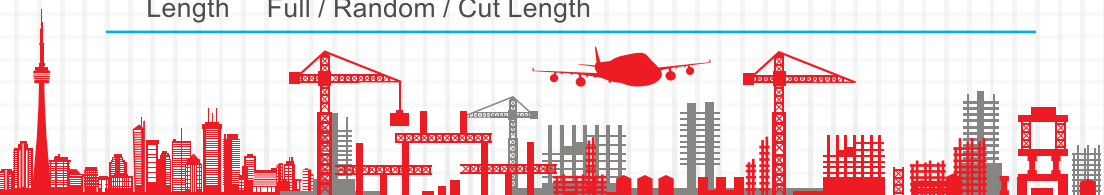
BUTTWELD FITTINGS

Size	¼” NB TO 60” NB
Types	Elbow, Bend, Equal Tee, Unequal Tee, Cross Tee, Long Stub end, Short Stub end, End Cap, Coupling, Concentric Reducer, Eccentric Reducer, Nipple Etc.
Form	Seamless, ERW, EFW
Schedule	SCH 5, 10, 20, 30, 40, 60, 80, 100, 120, 160, XS, XXS or as per Custom Wall Thickness required
Degree	45DEG, 90DEG, 180DEG or As Per Customer Requirement
Radius	Long Radius, Short Radius, 1D, 1.5D, 2D, 3D, 5D, 6D, 10D



RODS & BARS

ROD Size	3MM TO 400MM DIA
FLAT BAR Size	UPTO 150mm WIDTH & UPTO 100 MM THK
Types of Rod	Round, Hex, Square, Rectangle
Finish	Bright, Polish Bright, Ground & Black
Length	Full / Random / Cut Length



PIPES & TUBES

Size	¼" NB TO 60" NB
Types	Seamless, ERW (Welded), EFW, LSAW & SSAW
Schedule	SCH 5, 10, 20, 40, 60, 80, 100, 120, & 160, XS, XXS or any specific wall thickness required
Form	Round, Square, Rectangle, Hydraulic, Capillary
Length	Single / Double / Random / Cut Length



FASTENERS

Types	Hex Nut, Lock Nut, Dome Nut, Eye Nut, Square Nut, Weld Nut, Nylock Nut, Flange Nut, Hex Bolt, 'U' Bolt, Eye Bolt, Flange Bolt, Carriage Bolt, 'J' Bolt, Anchor Bolt, Plain Washer, Star Washer, Tapper Washer, Spring Washer, Allen Bolt, Stud, Anchor, Screw, Dowel Pins, Socket Set Screw, Threaded Rod, Etc.
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GRADES

Stainless Steel	303, 304, 304L, 310, 316, 316L, 317, 317L, 321, 347, 410, 420, 431, 904L, 15-5PH, 17-4PH,
Alloy Steel	F1, F5, F9, F11, F12, F22, F91
Nickel Alloys	Inconel, Monel, Hastelloy, Incoloy, Titanium, Nitronic, Niobium, Tantalum,
Duplex & S. Duplex	2205, 2507, Etc

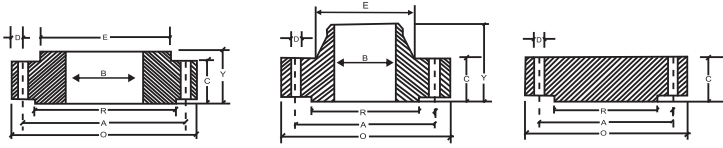
QUALITY

To ensure the quality of each material, we provide Materials Test Certificate along with supply. Our team of experts maintains a vigil on the quality of the products. Every single piece is attached with test certificates and reports. We always emphasize on improvement of our quality and planning methods to deliver the products within short period of time.





FORGED FLANGES TO ANSI B 16.5 (ASA 150 / 300 LBS)



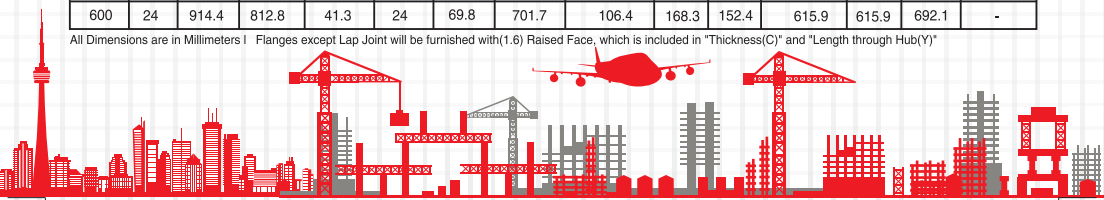
150 LBS

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	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
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	289.9	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	586.9	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

300 LBS

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	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
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	289.9	-
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)"





DIMENSIONS BS-10 TABLE FLANGE

Table	Size	Dia of Flange	Dia of Bolt Circle	No. of Bolt	Dia of Bolt	Thickness
D	1/2"	95.3	66.7	4	12.7	4.8
E		95.3	66.7	4	12.7	6.4
F		95.3	66.7	4	12.7	9.5
H		114.3	82.6	4	15.9	12.7
D	3/4"	101.6	73.0	4	12.7	4.8
E		101.6	73.0	4	12.7	6.4
F		101.6	73.0	4	12.7	9.5
H		114.3	82.6	4	15.9	12.7
D	1"	114.3	82.6	4	12.7	4.8
E		114.3	82.6	4	12.7	7.1
F		120.7	87.3	4	15.9	9.5
H		120.7	87.3	4	15.9	14.3
D	1 1/4"	120.7	87.6	4	12.7	6.4
E		120.7	87.3	4	12.7	7.9
F		133.4	98.4	4	15.9	12.7
H		133.4	98.4	4	15.9	17.5
D	1 1/2"	133.4	98.4	4	12.7	6.4
E		133.4	98.4	4	12.7	8.7
F		139.7	104.8	4	15.9	12.7
H		139.7	104.8	4	15.9	17.5
D	2"	152.4	114.3	4	15.9	7.9
E		152.4	114.3	4	15.9	9.5
F		165.1	127.0	4	15.9	15.9
H		165.1	127.0	4	15.9	19.1
D	2 1/2"	165.1	127.0	4	15.9	7.9
E		165.1	127.0	4	15.9	10.3
F		184.2	146.1	8	15.9	15.9
H		184.2	146.1	8	15.9	19.1
D	3"	184.2	146.1	4	15.9	9.5
E		184.2	146.1	4	15.9	11.1
F		203.2	165.1	8	15.9	15.9
H		203.2	165.1	8	15.9	22.2
D	3 1/2"	203.2	165.1	4	15.9	9.5
E		203.2	165.1	8	15.9	11.9
F		215.9	177.8	8	15.9	19.1
H		215.9	177.8	8	15.9	22.2
D	4"	215.9	177.8	4	15.9	9.5
E		215.9	177.8	8	15.9	12.7
F		228.6	190.5	8	15.9	19.1
H		228.6	190.5	8	15.9	25.4
D	5"	254.0	209.6	8	15.9	12.7
E		254.0	209.6	8	15.9	14.3
F		279.4	235.0	8	19.1	22.2
H		279.4	235.0	8	19.1	28.6
D	6"	279.4	228.6	8	15.9	12.7
E		279.4	228.6	8	19.1	17.5
F		304.8	260.4	12	19.1	22.2
H		304.8	260.4	12	19.1	28.6




CHEMICAL COMPOSITIONS
STAINLESS STEEL

Type	C Max	Mn Max	P Max	S Max	Si Max	Cr	Ni	Mo
303	0.15	2.00	.20	.15Min	1.00	17.00-19.00	8.00-10.00	-
304	0.08	2.00	.045	.03	1.00	18.00-20.00	8.00-10.50	-
304L	0.03	2.00	.045	.03	1.00	18.00-20.00	8.00-12.00	-
309	0.20	2.00	.045	.030	1.00	22.00-24.00	12.00-15.00	-
309S	0.08	2.00	.045	.030	1.00	22.00-24.00	12.00-15.00	-
310	0.25	2.00	.045	.030	1.50	24.00-26.00	19.00-22.00	-
310S	0.08	2.00	.045	.030	1.50	24.00-26.00	19.00-22.00	-
316	0.08	2.00	.045	.030	1.00	16.00-18.00	10.00-14.00	2.00-3.00
316L	0.03	2.00	.045	.030	1.00	16.00-18.00	10.00-14.00	2.00-3.00
317	0.08	2.00	.045	.030	1.00	18.00-20.00	11.00-15.00	3.00-4.00
317L	0.03	2.00	.045	.030	1.00	18.00-20.00	11.00-15.00	3.00-4.00
321	0.08	2.00	.045	.030	1.00	17.00-19.00	9.00-12.00	-
347	0.08	2.00	.045	.030	1.00	17.00-19.00	9.00-13.00	-
904L	0.02	2.0	.045	.035	1.00	19.00-23.00	23.00-28.00	4.00-5.00

FERRITIC

410	0.15	1.00	.04	0.03	1.00	11.50-13.50	0.60	-
420	0.15	1.00	0.04	0.03	1.00	12.00-14.00	0.60	-
431	0.2	1.00	0.04	0.03	1.00	15.00-17.00	1.25-2.50	-

DUPLEX & SUPER DUPLEX

2205	0.03	2.00	0.03	0.02	1.00	21.00-23.00	4.50-6.50	2.50-3.50
2507	0.03	1.20	0.035	0.02	0.80	24.00-26.00	6.00-8.00	3.00-5.00

ALLOY STEEL

F 1	0.28	0.60-0.90	0.045	0.045	0.15-0.35	-	-	0.44-0.65
F 5	0.15	0.30-0.60	0.030	0.030	0.50Max	4.00-6.00	0.50	0.44-0.65
F 9	0.15	0.30-0.60	0.030	0.030	0.50-1.00	8.00-10.00	-	0.90-1.10
F 11	0.10-0.20	0.30-0.80	0.040	0.040	0.50-1.00	1.00-1.50	-	0.44-0.65
F 12	0.10-0.20	0.30-0.80	0.040	0.040	0.10-0.60	0.80-1.25	-	0.44-0.65
F 22	0.15	0.30-0.60	0.040	0.040	0.50Max	2.00-2.50	-	0.87-1.13
F 91	0.08-0.12	0.30-0.60	0.020	0.010	0.20-0.50	8.00-9.50	0.40	0.85-1.050



NICKEL BASE ALLOYS												
Type	C MaX	Mn Max	Ni	Fe	S Max	Si Max	Cu	Cr	Co Max	Mo	Al	Ti
Monel 400	0.3	2.0	63-70	2.5 Max	0.024	0.50	28-34	-	-	-	-	-
Monel K 500	0.25	1.5	63 Min	2.0 Max	0.010	0.50	27-33	-	-	-	2.3- 3.15	0.35- 0.85
Inconel 600	0.15	1.0	72 Min	6-10	0.015	0.50	0.5 Max	14-17	-	-	-	-
Inconel 625	0.10	0.5	60.5 Min	5.0 Max	0.015	0.50	-	20-23	-	8-10	0.4 Max	0.4 Max
Incoloy 800	0.10	1.5	30-35	Bal.	0.015	1.0	0.75 Max	19-23	-	-	0.15- 0.6	0.15 - 0.6
Incoloy 825	0.05	1.0	38-46	22 Min	0.030	0.50	1.5-3.0	19.5- 23.5	-	2.5- 3.5	0.2 Max	0.6- 1.2

► CALCULATION OF WEIGHT

Stainless Steel Pipes & Tubes :- OD (mm) - W.T. (mm) x W.T. (mm) x 0.0248 = Kg. per Mtr.

Stainless Steel Sheets & plates:- Length (mtr.) x Width (mtr.) x Thk (mm) x 8 = Kg per Sheet

Stainless Steel Circle & Blanks:- Dia (mm) x Dia (mm) x Thk (mm) x 0.0000063 = Kg per Pcs.

Stainless Steel Rounds:- Dia. (mm) x Dia. (mm) x 0.00623 = Kg PerMtr.

Stainless Steel Hexagonal Rods:- Dia. (mm) x Dia. (mm) x 0.00680 = Kg PerMtr.

Stainless Steel Square Bars:- Dia. (mm) x Dia. (mm) x 0.00788 = Kg PerMtr.

Stainless Steel Flat Bars:- Width (mm) x Thickness (mm) x 0.00798 = Kg per Mtr.

Carbon Steel Pipes & Tubes:- Dia. (mm) - W.T. (mm) x W.T. (mm) x 0.0248 = Kg. per Mtr.

Carbon Steel Sheets & Plates:- Length (mtr.) x Width (mtr.) x Thk (mm) x 7.85 = Kg per Sheet.

Aluminum Pipes (approx.): - OD (mm) - W.T. (mm) x W.T. (mm) x 0.0083 = Kg per Mtr.

Aluminum Sheets (approx.): - Length (mtr.) x Width (mtr.) X Thk (mm) x 2.69 = Kg per Sheet.

