

Commitment to Quality & Excellence



Hebei Pipe Fittings

- Anything & everything in Flanges & Fittings





Material Grades

ASTM & ASME Steel Forgings

Carbon Steels :

- A105, A266 C11 to C14, SA765 Gr.2
- A372 Gr.A / Gr.B
- A350 LF2 C11 to C13 for low temperature service
- A516 Gr.60 and Gr.70
- S45C
- A738C / S355J2 / 1.0577

Low alloy steels

Ferritic alloy steel forgings for high-pressure and high-temperature parts, such as boilers and pressure vessels.

- A182 / A336 F1, F5, F9, F11, F22, F91, F92

Austenitic stainless steels

- A182 F304 / 304L (UNS S30403), F310 (UNS S31000)
- A182 F316/316L (UNS S31603), F316Ti, F317/317L (UNS S31703)
- A182 F321 (UNS S32100), F347 (UNS S34700)
- A182 F44 (254SMO), 904L (UNS N08904)
- 17-4 PH, 15-5 PH (SUS 630)

Alloy Steels (for machine building)

- 42CrMo4 (Q+T) / AISI 4140 / DIN EN 1.7225
- 25CrMo4 / AISI 4130 / DIN EN 1.7213
- 34CrNiMo6 / AISI 4340 / DIN EN 1.6582
- AISI 8660 Tripel Alloy Steel

High Strength / high yeild carbon steels

- A694 F42, F45, F52, F55, F60, F65, F70

Ferritic stainless steels

- A182 F429, F430, F440A

Martensitic stainless steels

- A182 F6a, A182 F6NM

HEBEI Pipe Fittings : Proud of Accrediation



एन. एस. आई. सी.
NSIC
ISO 9001 : 2008
CERTIFIED CO.

IBR





"Hebei Pipe Fittings"

*takes immense pleasure in introducing themselves as one of the leading names in the engineering industry. We are the Manufacturers, stockiest & suppliers of Carbon Steel, Alloy Steel, Mild Steel & Stainless Steel, Pipe Fittings & Flanges etc. The organization has pioneered its operations in 2012, to produce **Flanges & Pipe Fittings**. We have experience in this field for past 20 Years.*

Over a decade of progress has consistently made us realize that more than products, it is the understanding of the client's requirements & giving maximum services to the customer is what makes us stand apart from others. This enables us to meet strict requirements of our clients manufacturing and testing codes.

Each of our department right from procurement, production, inventory, market, sales and services are fully automated for a better supply chain management, so as to offer the best product quality and prompt service to our clients. Along with technological equipment, manpower is also given special attention.

***HPF** products are in line with international specifications Eg. ANSI, ASME, DIN, BS & IS to meet your specific needs for the customers. Our Entire range of products is highly acknowledged for their durability and Dimensional Accuracy.*

***HPF** also undertakes TPI (like BVIS, TUV, PDIL, CEIL, SGS, Rites & also including IBR.*

***HPF's** clientele covers the leading industrial houses from both private & public sectors encompassing diverse fields viz, Petroleum, Chemicals, Fertilizers, Sugar Etc.*

*With a steady and consistent growth record, **HPF** does not seek to rest on it laurels. **HPF** is aware of the emerging challenges and competitiveness in the days ahead and is accordingly geared to reach superlative performance heights in critical areas like product development and quality assurance, which are the hallmarks of **HPF's** manufacturing culture.*

All our professionals are highly dedicated and committed to their client's requirements. Our team of workers strives to provide quality service to you according to your specification. We are one of the leading Importer & Exporters of Flanges, Pipe Fittings, Strainers Etc., & Stockist of Pipes (Seamless & ERW (MS & GI).

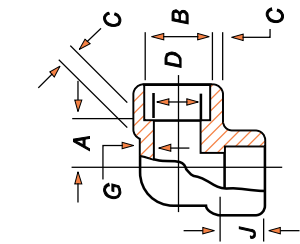
- Management



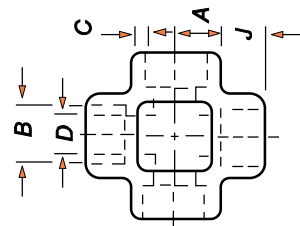
Quality management

quality policy
regular test
delivery condition

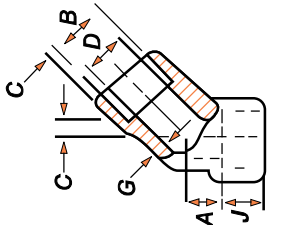




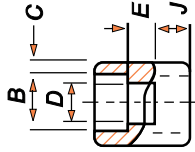
90° ELBOW



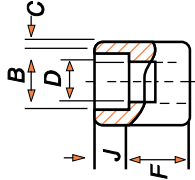
TEE



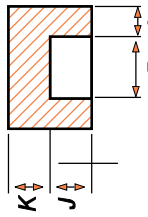
45° ELBOW



FULL COUPLING



HALF-COUPLING

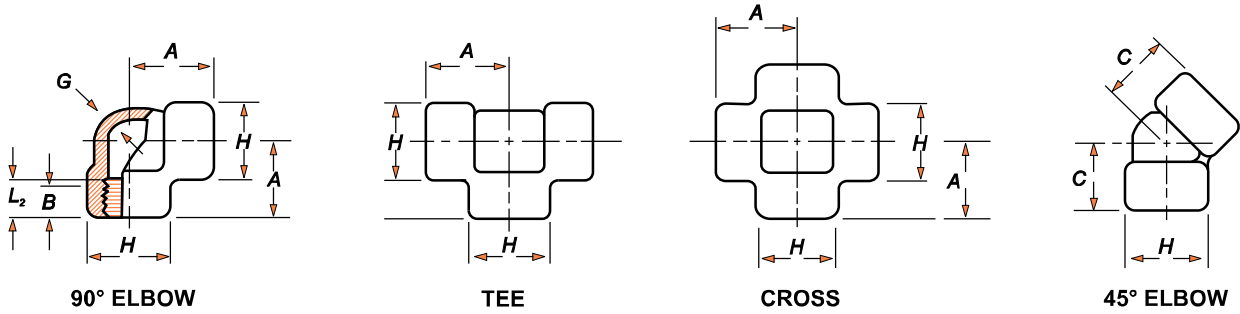


CAP

DIMENSIONS OF SOCKET - WELDING FITTINGS (ANSI B16.11)

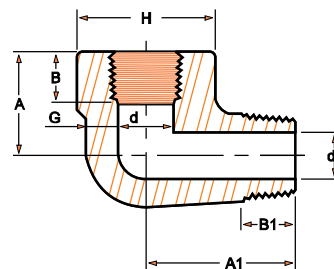
Nominal Pipe Size (mm)	Socket Bore dia. B (Note [1])	Bore Diameter of Fittings, D [Note (1)]		Socket Wall Thickness, C			Body Wall		Min Depth of Socket	Center to Bottom of Socket, A						Laying Lengths		Tolerances ±		End Wall Thickness K_{min}		
		Class Designation		Class Designation		Class Designation		Class Designation		90 deg Elbows, Tees and Crosses		45 deg Elbows		Coupl- Ings, E	Half Coupl- Ings, F	E	F	3000	6000	9000		
		3000	6000	9000	3000	6000	9000	3000		6000	9000	3000	6000								9000	
		Agv.	Min.	Agv.	Min.	Agv.	Min.	Min.		Min.	Min.	Min.	Min.	Min.	Min.	Min.	Min.	Min.	Min.	Min.	Min.	Min.
6	11.2	7.6	4.8	3.18	3.18	3.96	3.43	2.41	3.15	9.5	11.0	11.0	11.0	8.0	8.0	6.5	16.0	1.0	1.5	1.0	4.8	6.4
8	10.8	6.1	3.2	3.78	3.30	4.60	4.01	3.02	3.68	9.5	11.0	13.5	13.5	8.0	8.0	6.5	16.0	1.0	1.5	1.0	4.8	6.4
10	14.2	10.0	7.1	4.01	3.50	5.03	4.37	3.20	4.01	9.5	13.5	15.5	15.5	8.0	11.0	6.5	17.5	1.5	3.0	1.5	4.8	6.4
15	17.6	11.8	8.4	4.67	4.09	5.97	5.18	3.73	4.78	9.5	15.5	19.0	25.5	11.0	12.5	9.5	22.5	1.5	3.0	1.5	6.4	7.9
20	22.2	16.6	12.5	4.90	4.27	6.96	6.04	3.91	5.56	12.5	19.0	22.5	28.5	13.0	14.0	9.5	24.0	1.5	3.0	1.5	6.4	7.9
25	27.2	20.2	14.8	5.69	4.89	7.92	6.93	4.55	6.35	12.5	22.5	27.0	32.0	14.0	17.5	12.5	28.5	2.0	4.0	2.0	9.6	11.2
32	33.9	25.9	19.9	6.07	5.28	7.92	6.93	4.85	6.35	12.5	27.0	32.0	35.0	17.5	20.5	12.5	30.0	2.0	4.0	2.0	9.6	11.2
40	42.7	34.3	28.7	6.35	5.54	8.92	7.80	5.08	7.14	12.5	32.0	38.0	38.0	20.5	25.5	12.5	32.0	2.0	4.0	2.0	11.2	15.7
50	49.2	41.6	34.7	6.35	5.54	10.92	9.50	5.54	8.74	16.0	38.0	41.0	54.0	25.5	28.5	19.0	41.0	2.0	4.0	2.0	12.7	19.0
65	53.3	43.6	38.9	6.93	6.04	13.84	12.12	7.01	8.74	16.0	41.0	41.0	54.0	28.5	28.5	19.0	43.0	2.5	5.0	2.5	15.7	19.0
80	61.7	51.7	42.1	8.76	7.67	16.12	14.12	7.62	10.15	16.0	57.0	57.0	76.4	32.0	32.0	19.0	44.5	2.5	5.0	2.5	19.0	22.4
100	73.9	61.2	51.2	10.69	9.35	20.12	17.12	8.56	11.07	19.0	66.5	66.5	89.8	41.0	41.0	19.0	48.0	2.5	5.0	2.5	22.4	28.4

*Upper and lower values for each size are the respective maximum and minimum dimensions.



DIMENSIONS OF FORGED THREADED FITTINGS [ANSI B 16.11]

Nominal Pipe Size		Center-to-End Elbows, Tees, Crosses, A			Center-to-End 45 deg Elbow, C			Outside Diameter of Band, H			Min. Wall Thickness, G			Min. Length of Thread	
(mm)	(Inch)	2000	3000	6000	2000	3000	6000	2000	3000	6000	2000	3000	6000	B	L2
6	1/8	21	21	25	17	17	19	22	22	25	3.18	3.18	6.35	6.4	6.7
8	1/4	21	25	28	17	19	22	22	25	33	3.18	3.30	6.60	8.1	10.2
10	3/8	25	28	33	19	22	25	25	33	38	3.18	3.51	6.98	9.1	10.4
15	1/2	28	33	38	22	25	28	33	38	46	3.18	4.09	8.15	10.9	13.6
20	3/4	33	38	44	25	28	33	38	46	56	3.18	4.32	8.53	12.7	13.9
25	1	38	44	51	28	33	35	46	56	62	3.68	4.98	9.93	14.7	17.3
32	1.1/4	44	51	60	33	35	43	56	62	75	3.89	5.28	10.59	17.0	18.0
40	1.1/2	51	60	64	35	43	44	62	75	84	4.01	5.56	11.07	17.8	18.4
50	2	60	64	83	43	44	52	75	84	102	4.27	7.14	12.09	19.0	19.2
65	2.1/2	76	83	95	52	52	64	92	102	121	5.61	7.65	15.29	23.6	28.9
80	3	86	95	106	64	64	79	109	121	146	5.99	8.84	16.64	25.9	30.5
100	4	106	114	114	79	79	79	146	152	152	6.55	11.18	18.67	27.7	38.0



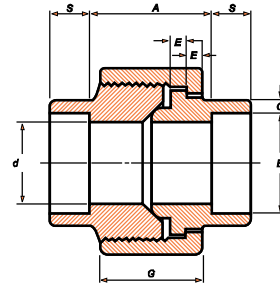
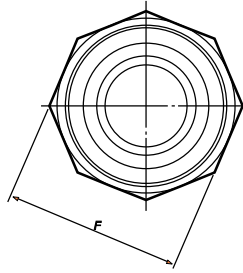
STREET ELBOWS

Dim Nom. Pipe Size	H	A	A1	d	d1	G (Min)	B (Min)	B1 (Min)	H	A	A1	d	d1	G (Min)	B (Min)	B1 (Min)
1/4	25	22.2	31.7	11.2	7	3.30	8.0	10.3	33	25.4	38.1	11.2	3.0	6.60	8.0	10.3
3/8	33	25.4	38.1	14.5	9	3.51	9.0	10.4	38	28.6	41.2	14.5	4.7	6.98	9.0	10.4
1/2	38	28.6	41.2	15.7	13	4.09	11.0	13.6	46	34.9	47.6	15.7	6.3	8.15	11.0	13.6
3/4	46	34.9	47.6	20.9	16	4.32	12.5	13.8	56	44.5	57.2	20.9	11.1	8.53	12.5	13.8
1	56	44.5	57.2	26.6	20	4.98	14.5	17.3	62	50.8	66.7	26.6	15.2	9.93	14.5	17.3
1-1/4	62	50.8	66.7	35.0	28	5.28	17.0	18.0	75	54.0	71.4	35.0	22.8	10.59	17.0	18.0
1-1/2	75	54.0	71.4	40.9	30	5.56	18.0	18.4	84	63.5	84.0	40.9	27.9	11.07	18.0	18.4
2	84	63.5	84.0	52.5	40	7.14	19.0	19.3	-	-	-	-	-	-	-	-

Dimensions in Millimeters

"H" Dimension to ASME 16.11



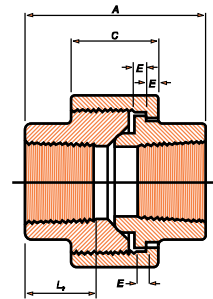
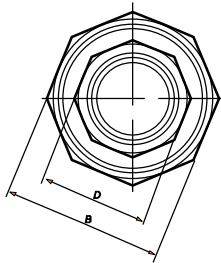


SOCKET - WELDING FITTINGS - DIMENSIONS OF UNIONS BS-3799 1974

Nominal Size		S	A	B	C	d	E	F	G
		3000							
Depth of Socket (min.) S		Distance between bottoms of sockets (min.) A	Bore diameter of sockets (min.) B	Socket wall thickness (min.) C	Bore diameter of union d*	Thickness of shoulder (min.) E	Width A/F of nut (min.) F	Height of nut (min.) G	
in	mm	mm	mm	mm	mm	mm	mm	mm	
1/8	(6)	10	17	10.7	3.2	6.8	3.2	32	16
1/4	(8)	10	17	14.1	3.3	9.2	3.2	32	18
3/8	(10)	10	17	17.6	3.5	12.5	3.2	36	19
1/2	(15)	10	18	21.8	4.1	15.5	4.0	41	21
3/4	(20)	13	20	27.4	4.3	21.0	4.8	50	24
1	(25)	13	26	34.1	5.0	26.5	4.8	60	25
1 1/4	(32)	13	28	42.9	5.3	35.0	5.6	70	29
1 1/2	(40)	13	30	49.0	5.6	40.5	5.6	78	30
2	(50)	16	36	61.0	6.1	52.0	6.4	95	37
2 1/2	(65)	16	57	73.8	7.7	62.0	9.6	125	48
3	(80)	16	70	89.7	8.3	78.0	12.7	140	51

*Bore diameter d corresponds to schedule 40 pipe. Subject to tolerances see 2.6.

*Outside diameter of pipe must be specified if dimensions are not in accordance with BS 1600.

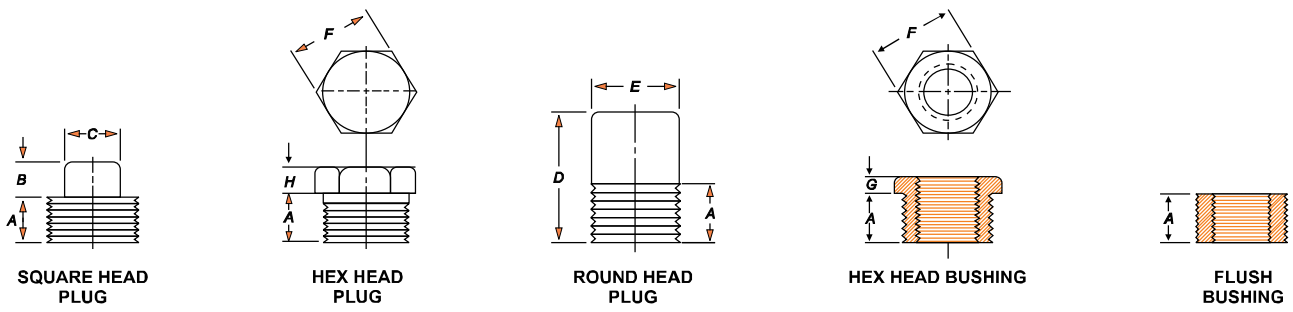


SCREWED FITTINGS DIMENSIONS OF UNIONS BS-3799 1974

Material Size		A	B	C	D	E	
		3000					
End to End		Width A/F taken nut (min.) B	Height of union nut (min.) C	Width A/F of ends (min.) D	Thickness of Shoulder (min.) E	Length of thread (min.) L1	
in	mm	mm	mm	mm	mm	mm	
1/8	(6)	40	32	16	17	3.2	6.70
1/4	(8)	43	32	18	19	3.2	10.21
3/8	(10)	48	36	19	22	3.2	10.36
1/2	(15)	51	43	21	30	4.0	13.56
3/4	(20)	57	50	24	36	4.8	13.86
1	(25)	64	60	25	41	4.8	17.34
1 1/4	(32)	70	70	29	50	5.6	17.93
1 1/2	(40)	79	78	30	60	5.6	18.38
2	(50)	89	95	37	70	6.4	19.22
2 1/2	(65)	118	125	48	85	9.6	28.89
3	(80)	121	140	51	100	12.7	30.48

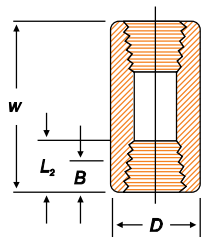
NOTE : Other external forms of nut and ends are permissible provided the minimum dimensions shown in this table are



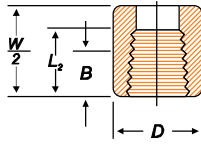


DIMENSIONS OF PLUGS & BUSHINGS [ANSI B 16.11]

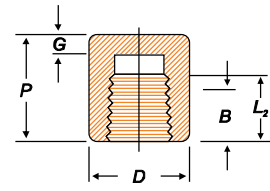
Nominal Pipe Size		A	B	C	E	D	F	G		H
		Min. Length A	Square Head Plugs		Round Head Plugs		Hex Plugs and Bushings			
			Min. Square Height B	Min. Width Flats, C	Nominal Head Diameter E	Min. Length D	Nominal Width Flats F	Min. Hex Height		
(mm)	(Inch)							Bushing G	Plug H	
6	1/8	10	6	7	10	35	11	...	6	
8	1/4	11	6	10	14	41	16	3	6	
10	3/8	13	8	11	18	41	18	4	8	
15	1/2	14	10	14	21	44	22	5	8	
20	3/4	16	11	16	27	44	27	6	10	
25	1	19	13	21	33	51	36	6	10	
32	1. 1.4	21	14	24	43	51	46	7	14	
40	1. 1/2	21	16	28	48	51	50	8	16	
50	2	22	18	32	60	64	65	9	18	
65	2. 1/2	27	19	36	73	70	75	10	19	
80	3	28	21	41	89	70	90	10	21	
100	4	32	25	65	114	76	115	13	25	



COUPLING



HALF COUPLING

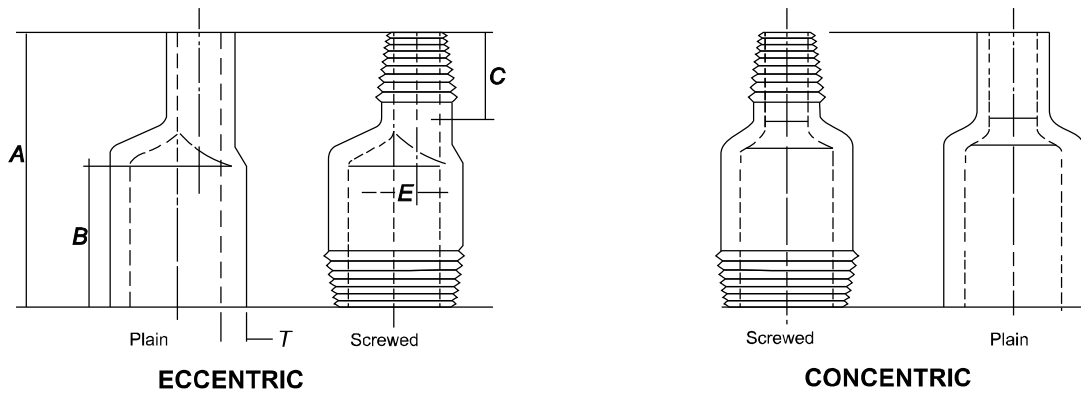


CAP

DIMENSIONS OF THREAD FITTINGS [ANSI B 16.11]

Nominal Pipe Size		W	P		D		G		B	
		End to End Couplings W	End to End Caps P		Outside Diameter D		Min. End Wall Thickness G		Min. Length of thread	
			3000 & 6000	3000	6000	3000	6000	3000	6000	B
(mm)	(Inch)									
6	1/8	32	19	...	16	22	4.8	...	6.4	6.7
8	1/4	35	25	27	19	25	4.8	6.4	8.1	10.2
10	3/8	38	25	27	22	32	4.8	6.4	9.1	10.4
15	1/2	48	32	33	28	38	6.4	7.9	10.9	13.6
20	3/4	51	37	38	35	44	6.4	7.9	12.7	13.9
25	1	60	41	43	44	57	9.7	11.2	14.7	17.3
32	1. 1.4	67	44	46	57	64	9.7	11.2	17.0	18.0
40	1. 1/2	79	44	48	64	76	11.2	12.7	17.8	18.4
50	2	86	48	51	76	92	12.7	15.7	19.0	19.2
65	2. 1/2	92	60	64	92	108	15.7	19.0	23.6	28.9
80	3	108	65	68	108	127	19.0	22.4	25.9	30.5
100	4	121	68	75	140	159	22.4	28.4	27.7	33.0





SWAGE NIPPLES BS-3799 1974

Nominal Pipe Size	A	B	C	E	
	Parallel length			Eccentricity E	
	(min.) A	(min.) B	(min.) C	3000	6000
10 x 8	76	48	16	1.6	-
15 x 10	89	56	19	1.6	-
15 x 8	89	56	19	3.2	-
20 x 15	95	57	22	2.4	2.4
20 x 10	95	57	22	4.0	-
25 x 20	102	64	22	2.8	2.0
25 x 15	102	64	22	5.2	4.4
40 x 25	114	70	25	6.7	6.4
40 x 20	114	70	25	9.5	8.3
40 x 15	114	70	25	11.9	10.7
50 x 40	165	108	29	5.6	5.2
50 x 25	165	108	29	12.7	11.5
50 x 20	165	108	29	15.5	13.5
40 x 15	165	108	29	17.5	15.9
65 x 50	178	114	32	4.8	3.2
65 x 40	178	114	32	10.3	8.3
80 x 65	203	133	41	7.1	6.7
80 x 50	203	133	41	11.9	9.9
80 x 40	203	133	41	17.5	15.5
100 x 80	229	140	48	11.9	10.7
100 x 65	229	140	48	19.1	17.5

NOTES :

1. All dimensions given in millimeter.
2. Thickness and outside diameters of swage nipples shall correspond to those of the appropriate nominal pipe size.
3. All dimensions herein above are nominal and subject to normal manufacturing tolerances.





Grooved Fittings



D.I. Grooved Fittings

"Grooved" Fittings are **Grooved end** joints that let you join pipe after pipes without welding or threading. They come with different types like flexible & rigid coupling, Grooved end fittings like Elbow, Tee, Flange Adaptor, Mechanical Caps, Reducers, Grooved Deluge valves, Grooved Strainers etc. All these types of products are available with different sizes for different systems.

Advantages:-

It removes the hazard of welding in the areas where getting hot job clearance an important issue. It is economical, versatile, reliable & faster to install than welded system. It also provides rigidity, flexibility and ease of alignment during installation. It provides significant pressure restraint and end - load capacity to make it capable of seismic stress absorption. Joining of grooved couplings don't require any removal of materials (as in threaded joints) or loss of surface coatings like galvanizing (as in threaded or welded joints). As a result. It permits one touse pipes of less thickness for same duty.

Some of the Grooved Fittings Installations:-

IOCL - Refineries (Haldia / Barauni / Paradip)

BPCL - Marketing Terminal - (Cherlapally / Solur / Gummadipoondy/Tuticorin/Patna/Hariyala)

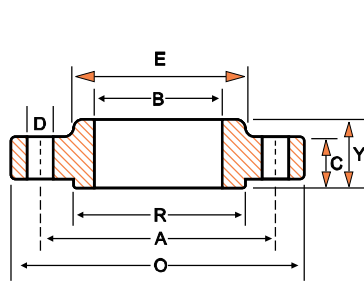
IOCL - Marketing Terminal - (Coimbatore/Quilon/Tikrikalan/Bhopal/Hashimara/Narimanam/
Tuticorin/Vishak/Tikrikalan/Trichy/Mangalore)

BPCL - Hariyala LPG Bottling Plant (Hariyala/Cherlapally)

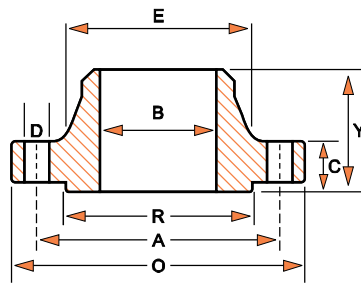
Tata Cummins - Jemshedpur

Berger Paints - Assam

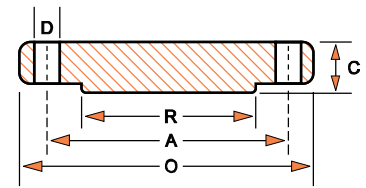




SLIP-ON WELDING



WELDING NECK



BLIND

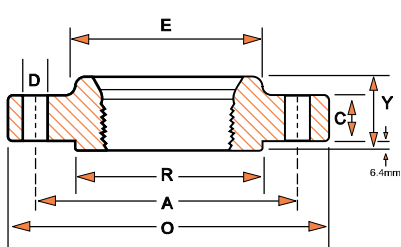
DIMENSIONS OF CLASS 150 FLANGES (ANSI B 16.5)

Nominal Pipe Size (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			
														Y
1/2	15	90	60.3	15.9	4	11.2	30	14	46	16	22.2	22.9	34.9	10
3/4	20	100	69.9	15.9	4	12.8	38	14	51	16	27.7	28.2	42.9	11
1	25	110	79.4	15.9	4	14.3	49	16	54	17	34.5	34.9	50.8	13
1.1/4	32	115	88.9	15.9	4	15.9	59	19	56	21	43.2	43.7	63.5	14
1.1/2	40	125	98.4	15.9	4	17.5	65	21	60	22	49.5	50.0	73.0	16
2	50	150	120.7	19.0	4	19.1	78	24	62	25	61.9	62.5	92.1	17
2.1/2	65	180	139.7	19.0	4	22.3	90	27	68	29	74.6	75.4	104.8	19
3	80	190	152.4	19.0	4	23.9	108	29	68	30	90.7	91.4	127.0	21
4	100	230	190.5	19.0	8	23.9	135	32	75	33	116.1	116.8	157.2	-
5	125	255	215.9	22.2	8	23.6	164	35	87	36	143.8	114.4	185.7	-
6	150	280	241.3	22.2	8	25.5	192	38	87	40	170.7	171.4	215.9	-
8	200	345	298.5	22.2	8	28.6	246	43	100	44	221.5	222.2	269.9	-
10	250	405	362.0	25.4	12	30.2	305	48	100	49	276.2	277.4	323.8	-
12	300	485	431.8	25.4	12	31.8	365	54	113	56	327.0	328.2	381.0	-
14	350	535	476.3	28.6	12	35.0	400	56	125	79	359.2	360.2	412.8	-
16	400	595	539.8	28.6	16	36.6	457	62	125	87	410.5	411.2	469.9	-
18	450	635	577.9	31.7	16	39.7	505	67	138	97	461.8	462.3	533.4	-
20	500	700	635.0	31.7	20	42.9	559	71	143	103	513.1	514.3	584.2	-
24	600	815	749.3	34.9	20	47.7	663	81	151	111	616.0	616.0	692.2	-

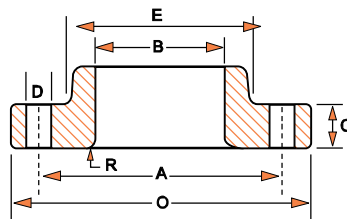
DIMENSIONS OF CLASS 300 FLANGES (ANSI B 16.5)

Nominal Pipe Size (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			
														Y
1/2	15	95	66.7	15.9	4	14.3	38	21	51	22	22.2	22.9	34.9	10
3/4	20	115	82.6	19.0	4	15.9	48	24	56	25	27.7	28.2	42.9	11
1	25	125	88.9	19.0	4	17.5	54	25	60	27	34.5	34.9	50.8	13
1.1/4	32	135	98.4	19.0	4	19.1	64	25	64	27	43.2	43.7	63.5	14
1.1/2	40	155	114.3	22.2	4	20.7	70	29	67	30	49.5	50.0	73.0	16
2	50	165	127.0	19.0	8	22.3	84	32	68	33	61.9	62.5	92.1	17
2.1/2	65	190	149.2	22.2	8	25.4	100	37	75	38	74.6	75.4	104.8	19
3	80	210	168.3	22.2	8	28.6	117	41	78	43	90.7	91.4	127.0	21
4	100	255	200.0	22.2	8	31.8	146	46	84	48	116.1	116.8	157.2	-
5	125	298	235.0	22.2	8	35.0	178	49	97	51	143.8	114.4	185.7	-
6	150	320	269.9	22.2	12	36.6	206	51	97	52	170.7	171.4	215.9	-
8	200	380	330.2	25.4	12	41.3	260	60	110	62	221.5	222.2	269.9	-
10	250	445	387.4	28.6	16	47.7	321	65	116	95	276.2	277.4	323.8	-
12	300	520	450.8	31.7	16	50.8	375	71	129	102	327.0	328.2	381.0	-
14	350	585	514.4	31.7	20	54.0	425	75	141	111	359.2	360.2	412.8	-
16	400	650	571.5	34.9	20	57.2	483	81	144	121	410.5	411.2	469.9	-
18	450	710	628.6	34.9	24	60.4	533	87	157	130	461.8	462.3	533.4	-
20	500	775	685.8	34.9	24	63.5	587	94	160	140	513.1	514.3	584.2	-
24	600	915	812.8	41.3	24	69.9	702	105	167	152	616.0	616.0	692.2	-

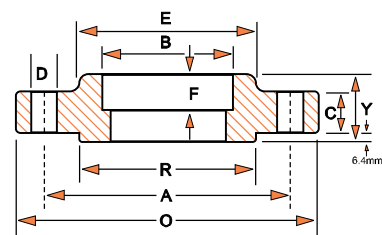




THREADED



LAPPED



**SOCKET WELDING
(1/2 TO 3 ONLY)**

DIMENSIONS OF CLASS 600 FLANGES (ANSI B 16.5)

Nominal Pipe Size (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			
1/2	15	95	66.7	15.9	4	14.3	38	22	52	22	22.2	22.9	34.9	10
3/4	20	115	82.6	19.0	4	15.9	48	25	57	25	27.7	28.2	42.9	11
1	25	125	88.9	19.0	4	17.5	54	27	62	27	34.5	34.9	50.8	13
1.1/4	32	135	98.4	19.0	4	20.7	64	29	67	29	43.2	43.7	63.5	14
1.1/2	40	155	114.3	22.2	4	22.3	70	32	70	32	49.5	50.0	73.0	16
2	50	165	127.0	19.0	8	25.4	84	37	73	37	61.9	62.5	92.1	17
2.1/2	65	190	149.2	22.2	8	28.6	100	41	79	41	74.6	75.4	104.8	19
3	80	210	168.3	22.2	8	31.8	117	46	83	46	90.7	91.4	127.0	-
4	100	275	215.9	25.4	8	38.1	152	54	102	54	116.1	116.8	157.2	-
5	125	330	266.7	28.6	8	44.5	189	60	114	60	143.8	144.4	185.7	-
6	150	355	292.1	28.6	12	47.7	222	67	117	67	170.7	171.4	215.9	-
8	200	420	349.2	31.7	12	55.6	273	76	133	76	221.5	222.2	269.9	-
10	250	510	431.8	34.9	16	63.5	343	86	152	111	276.2	277.4	323.8	-
12	300	560	489.0	34.9	20	66.7	400	92	156	117	327.0	328.2	381.0	-
14	350	605	527.0	38.1	20	69.9	432	94	165	127	359.2	360.2	412.8	-
16	400	685	603.2	41.3	20	76.2	495	106	178	140	410.5	411.2	469.9	-
18	450	745	654.0	44.4	20	82.6	546	117	184	152	461.8	462.3	533.4	-
20	500	815	723.9	44.4	24	88.9	610	127	190	165	513.1	514.3	584.2	-
24	600	940	838.2	50.8	24	101.6	718	140	203	184	616.0	616.0	692.2	-

DIMENSIONS OF CLASS 900 FLANGES (ANSI B 16.5)

Nominal Pipe Size (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			
1/2	15	120	82.6	22.2	4	22.3	38	32	60	32	22.2	22.9	34.9	10
3/4	20	130	88.9	22.2	4	25.4	44	35	70	35	27.7	28.2	42.9	11
1	25	150	101.6	25.4	4	28.6	52	41	73	41	34.5	34.9	50.8	13
1.1/4	32	160	111.1	25.4	4	28.6	64	41	73	41	43.2	43.7	63.5	14
1.1/2	40	180	123.8	28.6	4	31.8	70	44	83	44	49.5	50.0	73.0	16
2	50	215	165.1	25.4	8	38.1	105	57	102	57	61.9	62.5	92.1	17
2.1/2	65	245	190.5	28.6	8	41.3	124	64	105	64	74.6	75.4	104.8	19
3	80	240	190.5	25.4	8	38.1	127	54	102	54	90.7	91.4	127.0	-
4	100	290	235.0	31.7	8	44.5	159	70	114	70	116.1	116.8	157.2	-
5	125	350	279.4	35.0	8	50.8	190	79	127	79	143.8	144.4	185.7	-
6	150	380	317.5	31.7	12	55.6	235	86	140	86	170.7	171.4	215.9	-
8	200	470	393.7	38.1	12	63.5	298	102	162	114	221.5	222.2	269.9	-
10	250	545	469.9	38.1	16	69.5	368	108	184	127	276.2	277.4	323.8	-
12	300	610	533.4	38.1	20	79.4	419	117	200	143	327.0	328.2	381.0	-

Dimensional Tolerance For Flanges:-

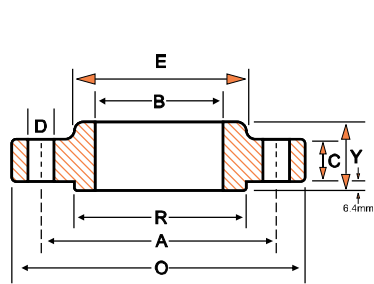
OD :: +/- 1.6mm maximum

RF OD :: 0.8 mm Maximum

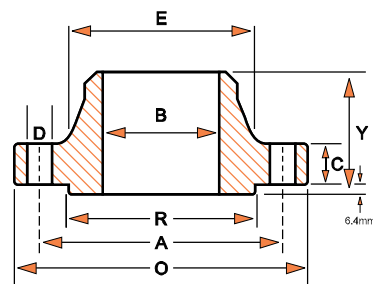
Thickness :: +thk 3.2 mm max With no - Thk is allowed

PCD :: +/- 1.6mm Maximum

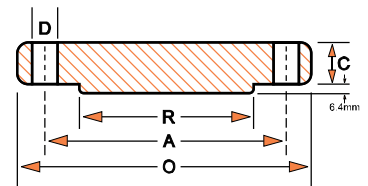




SLIP-ON WELDING



WELDING NECK



BLIND

DIMENSIONS OF CLASS 1500 FLANGES (ANSI B 16.5)

Nominal Pipe Size (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			
1/2	15	120	82.6	22.2	4	22.3	38	32	60	32	22.2	22.9	34.9	10
3/4	20	130	88.9	22.2	4	25.4	44	35	70	35	27.7	28.2	42.9	11
1	25	150	101.6	25.4	4	28.6	52	41	73	41	34.5	34.9	50.8	13
1.1/4	32	160	111.1	25.4	4	28.6	64	41	73	41	43.2	43.7	63.5	14
1.1/2	40	180	123.8	28.6	4	31.8	70	44	83	44	49.5	50.0	73.0	16
2	50	215	165.1	25.4	8	38.1	105	57	102	57	61.9	62.5	92.1	17
2.1/2	65	245	190.5	28.6	8	41.3	124	64	105	64	74.6	75.4	104.8	19
3	80	265	203.2	31.7	8	47.7	133	73	117	73	90.7	91.4	127.0	-
4	100	310	241.3	34.9	8	54.0	162	91	124	90	116.1	116.8	157.2	-
5	125	375	292.1	41.3	8	73.1	197	105	156	105	143.8	144.4	185.7	-
6	150	395	317.5	38.1	12	82.6	229	119	171	119	170.7	171.4	215.9	-
8	200	485	393.7	44.4	12	92.1	292	143	213	143	221.5	222.2	269.9	-
10	250	585	482.6	50.8	12	105.0	368	159	254	178	276.3	277.4	323.8	-
12	300	675	571.5	54.0	16	123.9	451	181	283	219	327.1	328.2	381.0	-

DIMENSIONS OF CLASS 2500 FLANGES (ANSI B 16.5)

Nominal Pipe Size (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			
1/2	15	135	88.9	22.2	4	30.2	43	40	73	40	22.3	22.9	34.9	10
3/4	20	140	95.2	22.2	4	31.8	51	43	79	43	28.2	28.2	42.9	11
1	25	160	108.0	25.4	4	35.0	57	48	89	48	34.9	34.9	50.8	13
1.1/4	32	185	130.2	28.6	4	38.1	73	52	95	52	43.7	43.7	63.5	14
1.1/2	40	205	146.0	31.7	4	44.5	79	60	111	60	50.0	50.0	73.0	16
2	50	235	171.4	28.6	8	50.9	95	70	127	70	62.5	62.5	92.1	17
2.1/2	65	265	196.8	31.7	8	57.2	114	79	143	79	75.4	75.4	104.8	19
3	80	305	228.6	34.9	8	66.7	133	92	168	92	91.4	91.4	127.0	-
4	100	355	273.0	41.3	8	76.2	165	108	190	108	116.8	116.8	157.2	-
5	125	420	323.8	47.6	8	92.1	203	130	229	130	144.4	144.4	185.7	-
6	150	485	368.3	54.0	8	108.0	235	152	273	152	171.4	171.4	215.9	-
8	200	550	438.2	54.0	12	127.0	305	178	318	178	222.2	222.2	269.9	-
10	250	675	539.8	66.7	12	165.1	375	229	419	229	277.4	277.4	323.8	-
12	300	760	619.1	73.0	12	184.2	441	254	464	254	328.2	328.2	381.0	-



FORMULA of WEIGHT

- **WEIGHT OF STAINLESS STEEL PIPES & TUBES**
[O.D. (mm) - W.T. (mm)] x W.T. (mm) x 0.02466 = Kg. per meter
- **WEIGHT OF STAINLESS STEEL SHEETS**
Length (Mtr.) x Width (Mtr.) x Thk (mm) x 8 = Kg. per Sheet
- **WEIGHT OF STAINLESS STEEL CIRCLE & BLANKS**
O.D. (mm) x Dia. (mm) x thk (mm) ÷ 260 ÷ 1000 = Kg. per Pcs.
- **WEIGHT OF STAINLESS STEEL ROUND**
Dia. (mm) x Dia. (mm) x 0.00623 = Kg. per Meter
- **WEIGHT OF STAINLESS STEEL HEXAGONAL RODS**
Dia. (mm) x Dia. (mm) x 0.00679 = Kg. per Meter
- **WEIGHT OF STAINLESS STEEL SQUARE BARS**
Dia. (mm) x Dia. (mm) x 0.00787 = Kg. per Meter
- **WEIGHT OF CARBON STEEL PIPES & TUBES**
[O.D. (mm) - W.T. (mm)] x W.T. (mm) x 0.02466 = Kg. per Meter
- **WEIGHT OF CARBON STEEL SHEETS - PLATES**
Length (Mtr.) x Width (Mtr.) x Thk (mm) x 7.85 = Kg. per Sheet
- **WEIGHT OF COPPER PIPES**
[O.D. (mm) - W.T. (mm)] x W.T. (mm) x 0.0256 = Kg. per Meter
- **WEIGHT OF LEAD PIPES (APPROX)**
[O.D. (mm) - W.T. (mm)] x W.T. (mm) x 0.0345 = Kg. per Meter
- **WEIGHT OF LEAD SHEET (APPROX)**
Length (Mtr.) x Width (Mtr.) x Thk (mm) x 11.2 = Kg. per Meter
- **WEIGHT OF ALUMINIUM PIPES (APPROX)**
[O.D. (mm) - W.T. (mm)] x W.T. (mm) x 0.0082 = Kg. per Meter
- **WEIGHT OF ALUMINIUM SHEETS (APPROX)**
[O.D. (mm) - W.T. (mm)] x W.T. (mm) x 2.66 = Kg. per Meter
- **SHEET WIDTH REQUIRED FOR ROLLED AND WELDED PIPES**
[O.D. (mm) - Thk. (mm)] x 3.14 = Sheet Width

Tensile Strength Conversion Table

1 Kg / mm² x 9.81 = N/mm² = MPa

2 PSI x 0.0007 = Kg/mm²

3 KSi x 1000 = PSI

4 Kg/mm² x 1.422 = KSi

TYPES of Fittings : Butt welded pipe fittings, socket weld, Screwed fittings.

User Industries :

Petrochemicals, Oil & Natural Gas , Chemicals, Fats & Fertilizers, Sugar Mills & Distilleries, Cement Industries, Ship Builders, Paper Industries, Pumps,

Product Range : The following table represents size range, product standards and material grades of Pipe Fittings & Flanges.

Fittings Type : BUTT-WELDING, FORGED/CASTING THREAD SOCKET-WELD, Elbows, Tees , Reducer, Stubend, Unions, Nipples Couplings, Elbowlets, Weldolets etc. Item 90° ELBOW (LONG RADIUS / SHORT RADIUS), EQUAL TEE, Caps, 45° ELBOW (LR / SR), REDUCING TEE, ROUND CAP, CONCENTRIC REDUCER, ECCENTRIC REDUCER, STUB END.

Carbon Steel Material : ASTM A234 WPB, WPC, ASTM A105

Alloy Steel Material : ASTM A234 WP5, WP11, WP22, WP91

Stainless Steel Material : ASTM A403 WP304 / WP304L / WP316 / WP316L / 316 Ti / 321 / 310 / 347 / 904L

Dimension : ANSI B16.9 / MSS SP- 43 / JIS B2313 / ANSI B 16.11 /

Thickness : SCH5S / SCH10S / SCH40S / SCH80S / SCH 120S & there after as per client request.

Sizes : 1/2" (15NB) - 48" (1200NB) Method SEAMLESS AND ERW.



Flanges Type : SORF/WNRF/BLRF/SWRF/BLRTJ/WNRTJ/Tounge & Grooved / Long Weldneck (also in FF)

Carbon Steel / Mild Steel Material : SA 105, IS 2062. Alloy Steel Material : SA182 WP5, WP11, WP22, WP91

Stainless Steel Material : ASTM A403 WP304 / WP304L / WP316 / WP316L / 316 Ti / 321 / 310 / 347 / 904L

Dimension : ANSI B16.5 / MSS SP- 43 / JIS B2313

Thickness : SCH5S / SCH10S / SCH40S / SCH80S / SCH 120S & there after as per client request.

Sizes : 1/2" (15NB) - 48" (1200NB) Method SEAMLESS AND ERW.

also manufactured as per customer design & Specification.



Regd Off:-

"RAM LAKHAN CHAMBERS"

#19/20, General Muthia Mudali St,
Shop No 11, Ground Floor,
Chennai - 600 079. Call : 91 44 45410099
Email : hebeifittings24@gmail.com
hebeifittings24@yahoo.in

Factory : @ VIZHAK