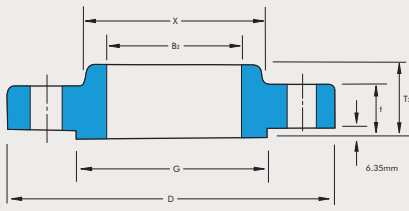
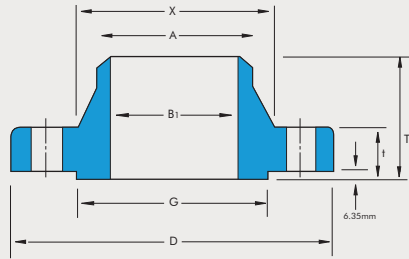


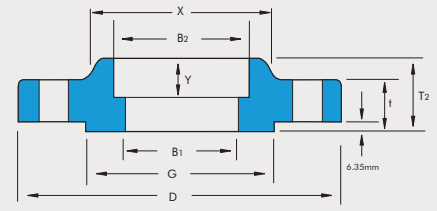
CLASS 900 FLANGES



SLIP-ON



WELDING NECK



SOCKET WELDING

ANSI B16.5 FORGED FLANGES

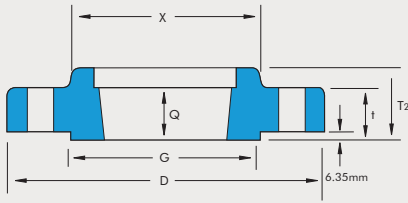
Unit:mm

Nominal Pipe Size	Outside Dia.	Dia. at Base of Hub	O.D. of Raised Face	Thickness	BORE				LENGTH THRU HUB			Dia. Of Hub at Bevel	Radius of Fillet	Thread Length
					Welding Neck Socket Welding	Slip-on Socket Welding	Lap Joint	Counter Bore Min	Welding Neck	Slip on Threaded	Lap Joint			
	D	X	G	t	B1	B2	B3	B	T1	T2	T3	A	R	Q
1/2	120.7	38.1	34.9	22.3		22.4	22.9	23.6	60.3	31.8	31.8	21.3	3.2	22.2
3/4	130.2	44.5	42.9	25.4		27.7	28.2	29.0	69.9	34.9	34.9	26.7	3.2	25.4
1	149.2	52.4	50.8	28.6	See Notes	34.5	35.1	35.8	73.0	41.3	41.3	33.5	3.2	28.6
1.1/4	158.8	63.5	63.5	28.6	(1)	43.2	43.7	44.5	73.0	41.3	41.3	42.2	4.8	30.2
1.1/2	177.8	69.9	73.0	31.8	To be specified	49.5	50.0	50.5	82.6	44.5	44.5	48.3	6.4	31.8
2	215.9	104.8	92.1	38.1	by pur-chaser	62.0	62.5	63.5	101.6	57.2	57.2	60.5	7.9	38.1
2.1/2	244.5	123.5	104.8	41.3		74.7	75.4	76.2	104.8	63.5	63.5	73.2	7.9	47.6
3	241.3	127.0	127.0	38.1		90.7	91.4	92.2	101.6	54.0	54.0	88.9	9.5	41.3
4	292.1	158.8	157.2	44.5		116.1	116.8	117.6	114.3	69.9	69.9	114.3	11.1	47.6
5	349.3	190.5	185.7	50.8		143.8	144.5	144.5	127.0	79.4	79.4	141.2	11.1	54.0
6	381.0	235.0	215.9	55.6		170.7	171.5	171.5	139.7	85.7	85.7	168.4	12.7	57.2
8	469.9	298.5	269.9	63.5		221.5	222.3	222.3	161.9	101.6	114.3	219.2	12.7	63.5
10	546.1	368.3	323.9	69.9		276.4	277.4	276.4	184.2	108.0	127.0	273.1	12.7	71.4
12	609.6	419.1	381.0	79.4		327.2	328.2	328.7	200.0	117.5	142.9	323.9	12.7	76.2
14	641.4	450.9	412.8	85.8		359.2	360.2	360.4	212.7	130.2	155.6	355.6	12.7	82.6
16	704.9	508.0	469.9	88.9		410.5	411.2	411.2	215.9	133.4	165.1	406.4	12.7	85.7
18	787.4	565.2	533.4	101.6		461.8	462.3	462.0	228.6	152.4	190.5	457.2	12.7	88.9
20	857.3	622.3	584.2	108.0		513.1	514.4	512.8	247.7	158.8	209.6	508.0	12.7	92.1
24	1041.4	749.3	692.2	139.7		616.0	616.0	614.4	292.1	203.2	266.7	609.6	12.7	101.6

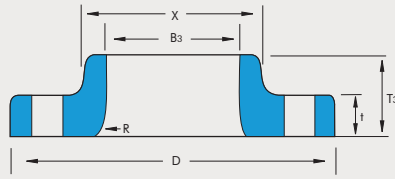
- Note :**
- (1) For the inside diameter of pipes (corresponding to 'Bore' (B1) of Welding Neck Flanges), refer to page.
 - (2) Class 900 flanges except Lap Joint will be furnished with 0.25" raised face, which is included in 'Thickness' (t) and 'Length through Hub' (T₁), (T₂).
 - (3) For Slip-on, Threaded, Socket Welding and Lap Joint Flanges, the hubs can be shaped either vertical from base to top or tapered within the limits of 7 degrees.



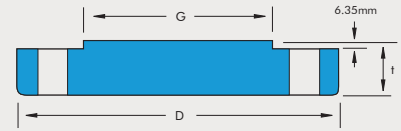
CLASS 900 FLANGES



THREADED



LAP JOINT



BLIND

Unit:mm

Nominal Pipe Size	Depth of Socket	DRILLING			BOLTING				APPROXIMATE WEIGHT									
		Bolt Circle Dia.	Number of Holes	Dia. of Holes	Dia. of Bolts	Stub 1/4" Raised Face	Bolt Male Female Tongue-Groove	Length Ring Joint	Welding Neck STD		Slip - on and Threaded		Lap Joint		Blind		Socket Welding	
	Y				(inch)				Kg.	lb	Kg.	lb	Kg.	lb	Kg.	lb	Kg.	lb
1/2	--	82.6	4.0	22.2	3/4	4	3.3/4	4	1.89	--	1.75	--	1.72	--	1.78	--	--	--
3/4	--	88.9	4.0	22.2	3/4	4.1/4	4	4.1/4	2.57	--	2.34	--	2.29	--	2.42	--	--	--
1	--	101.6	4.0	25.4	7/8	4.3/4	4.1/2	4.3/4	3.73	--	3.44	--	3.37	--	3.57	--	--	--
1.1/4	--	111.1	4.0	25.4	7/8	4.3/4	4.1/2	4.3/4	4.32	--	3.92	--	3.82	--	4.15	--	--	--
1.1/2	--	123.8	4.0	28.6	1	5.1/4	5	5.1/4	5.95	--	5.38	--	5.26	--	5.77	--	--	--
2	--	165.1	8.0	25.4	7/8	5.1/2	5.1/4	5.3/4	11.01	--	9.87	--	9.66	--	10.08	--	--	--
2.1/2	--	190.5	8.0	28.6	1	6	5.3/4	6.1/4	15.17	--	13.37	--	13.44	--	14.00	--	--	--
3	--	190.5	8.0	25.4	7/8	5.1/2	5.1/4	5.3/4	13.62	--	11.63	--	11.27	--	13.11	--	--	--
4	--	235.0	8.0	31.8	1.1/8	6.1/2	6.1/4	6.3/4	22.38	--	19.79	--	19.27	--	22.18	--	--	--
5	--	279.4	8.0	34.9	1.1/4	7.1/4	7	7.1/2	35.81	--	32.00	--	31.36	--	36.55	--	--	--
6	--	317.5	12.0	31.8	1.1/8	7.1/2	7.1/4	7.1/2	47.04	--	41.17	--	40.34	--	47.48	--	--	--
8	--	393.7	12.0	38.1	1.3/8	8.1/2	8.1/4	8.3/4	80.14	--	70.82	--	72.76	--	82.56	--	--	--
10	--	469.9	16.0	38.1	1.3/8	9	8.3/4	9.1/4	118.44	--	100.71	--	106.09	--	122.75	--	--	--
12	--	533.4	20.0	38.1	1.3/8	9.3/4	9.1/2	10	156.58	--	133.01	--	141.67	--	173.56	--	--	--
14	--	558.8	20.0	41.3	1.1/2	10.1/2	10.1/4	11	178.83	--	153.41	--	162.72	--	206.46	--	--	--
16	--	616.0	20.0	44.5	1.5/8	11	10.3/4	11.1/2	214.64	--	185.05	--	199.91	--	259.54	--	--	--
18	--	685.8	20.0	50.8	1.7/8	12.3/4	12.1/2	13.1/4	290.05	--	258.72	--	280.32	--	367.54	--	--	--
20	--	749.3	20.0	54.0	2	13.1/2	13.1/4	14	359.22	--	317.40	--	351.45	--	464.36	--	--	--
24	--	901.7	20.0	66.7	2.1/2	17	16.3/4	17.3/4	658.52	--	605.55	--	672.92	--	876.30	--	--	--

- Note :**
- (4) Blind Flanges may be made with the same hub as that used for Slip-on Flanges or without hub.
 - (5) The gasket surface and backside (bearing surface for bolting) are made parallel within 1 degree To accomplish parallelism, spot facing is carried out according to MSS SP-9, without reducing thickness(t).
 - (6) Dimensions of sizes 1/2" through 2.1/2" are the same as for Class 1500 Flanges.

