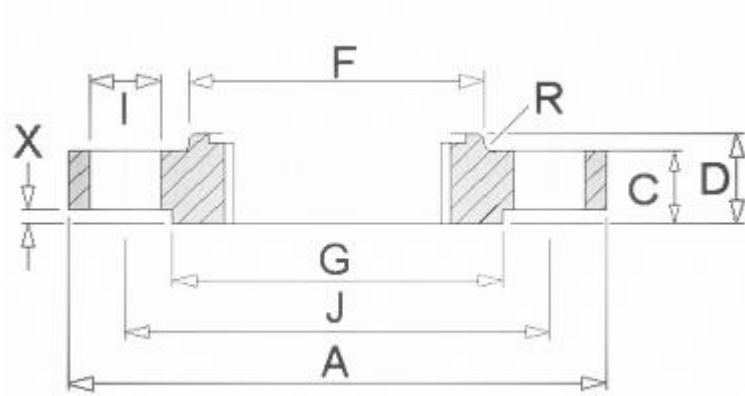




# B16.5 THREADED FLANGE CLASS 300



**ANSI, ASME, ASA, B16.5 300lb/sq.in. Threaded Flange NPT**

Pipe		Flange Data					Hub Data	Raised Face	Drilling Data			Weight
Nominal Size		A	B	C	D	E	F	G	H	I	J	
	Outside Dia	Overall Dia	Counter Bore	Flange Thickness min	Overall Length	Threaded Length min	Hub Dia	Face Dia	Number of Holes	Bolt Hole Dia	Dia of Circle of Holes	Kg/ Piece
	In Mm	In Mm	In Mm	In Mm	In Mm	In Mm	In Mm	In Mm		In Mm	In Mm	
½	0.84	3.75	0.93	0.56	0.88	0.62	1.5	1.38	4	0.62	2.62	0.64
	21.3	95.3	23.6	14.2	22.3	15.7	38.1	35		15.7	66.55	
¾	1.05	4.62	1.14	0.62	1	0.62	1.88	1.69	4	0.75	3.25	1.12
	26.7	117.3	29	15.7	25.4	15.7	42.7	42.9		19	82.5	
1	1.315	4.88	1.41	0.69	1.06	0.69	2.12	2	4	0.75	3.5	1.36
	33.4	124	35.8	17.5	26.9	17.5	53.8	50.8		19	88.9	
1 ¼	1.66	5.25	1.75	0.75	1.06	0.81	2.5	2.5	4	0.75	3.88	1.68
	42.2	133.4	44.4	19	26.9	20.6	63.5	63.5		19	98.5	
1 ½	1.9	6.12	1.99	0.81	1.19	0.88	2.75	2.88	4	0.88	4.5	2.49
	48.3	155.4	50.5	20.6	30.2	22.3	69.85	73.15		22.3	114.3	
2	2.375	6.5	2.5	0.88	1.31	1.12	3.31	3.62	8	0.75	5	2.87
	60.3	165.1	63.5	22.3	33.2	28.4	84	91.9		19	127	
2 ½	2.875	7.5	3	1	1.5	1.25	3.94	4.12	8	0.88	5.88	4.32
	73	190.5	76.2	25.4	38.1	31.7	100	104.6		22.3	149.3	
3	3.5	8.25	3.63	1.12	1.69	1.25	4.62	5	8	0.88	6.62	5.85

	88.9	209.6	92.2	28.4	42.9	31.7	117.3	127		22.3	168.1	
3 1/2	4	9	4.13	1.19	1.75	1.44	5.25	5.5	8	0.88	7.25	7.34
	101.6	228.6	104.9	30.2	44.4	36.5	133.3	139.7		22.3	184.1	
4	4.5	10	4.63	1.25	1.88	1.44	5.75	6.19	8	0.88	7.88	9.61
	114.3	254	117.6	31.7	47.7	36.5	146	157.2		22.3	200.1	
5	5.563	11	5.69	1.38	2	1.69	7	7.31	8	0.88	9.25	12.3
	141.3	279.4	144.5	35	50.8	42.9	177.8	185.7		22.3	234.9	
6	6.625	12.5	6.75	1.44	2.06	1.81	8.12	8.5	12	0.88	10.62	15.6
	168.3	317.5	171.4	36.5	52.3	45.9	206.2	215.9		22.3	269.7	
8	8.625	15	8.75	1.62	2.44	2	10.25	10.62	12	1	13	24.2
	219.1	381	222.3	41.1	61.9	50.8	260.3	269.7		25.4	330.2	
10	10.75	17.5	10.88	1.88	2.62	2.19	12.62	12.75	16	1.12	15.25	34.1
	273	444.5	276.3	47.7	66.55	55.6	320.5	323.8		28.4	387.3	
12	12.75	20.5	12.94	2	2.88	2.38	14.75	15	16	1.25	17.75	49.8
	323.8	520.7	328.7	50.8	73.15	60.45	374.6	381		31.7	450.8	
14	14	23	14.19	2.12	3	2.5	16.75	16.25	20	1.25	20.25	69.9
	355.6	584.2	360.4	53.8	76.2	63.5	425.4	412.7		31.7	514.3	
16	16	25.5	16.19	2.25	3.25	2.69	19	18.5	20	1.38	22.5	88.1
	406.4	647.7	411.2	57.15	82.5	68.3	482.6	469.9		35	571.5	
18	18	28	18.19	2.38	3.5	2.75	21	21	24	1.38	24.75	109
	457.2	711.2	462	60.45	88.9	69.85	533.4	533.4		35	628.6	
20	20	30.5	20.19	2.5	3.75	2.88	23.12	23	24	1.38	27	134
	508	774.7	512.8	63.5	95.2	73.15	587.2	584.2		35	685.8	
24	24	36	24.19	2.75	4.19	3.25	27.62	27.25	24	1.62	32	201
	609.6	914.4	614.4	69.85	106.4	82.5	701.5	692.1		41.1	812.8	

NOTE:

1. Class 300 flanges except Lap Joint will be furnished with 0.06 (1.6mm) raised face, which is included in 'Thickness' (C) and 'Length through Hub' (Y1), (Y3).
2. 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.
3. Blind Flanges may be made with the same hub as that used for Slip-on Flanges or without hub.
4. 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 (C).
5. Depth of Socket (D) is covered by ANSI B 16.5 only in sizes through 3 inch, over 3 inch is at the manufacturer's option.

