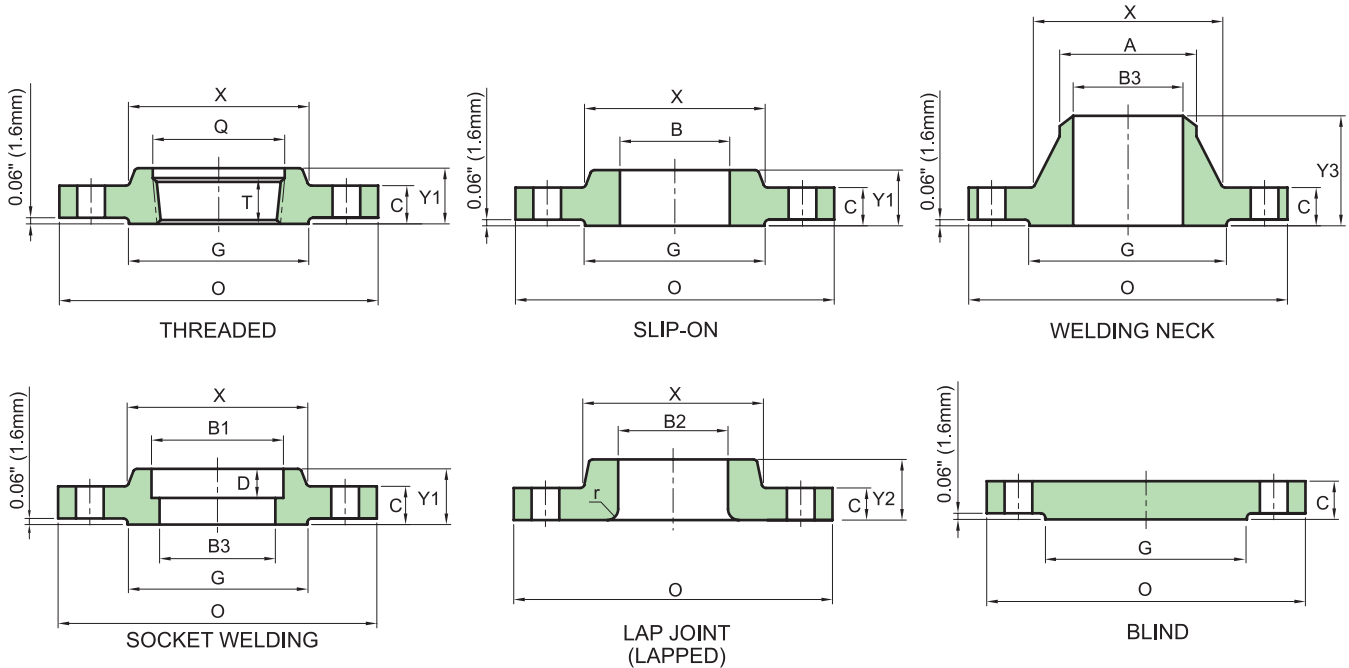


# CLASS 300 FLANGES

## ANSI B 16.5 FORGED FLANGES



Unit : inch

Nominal Pipe Size	Outside Diam. of Flanges	Thk. of Flange Min.	Diam. of Hub	O.D of Raised Face	Hub Diam. Chamfer of W.N	LENGTH THROUGH HUB			Thread Length	BORE			Corner Radius of Bore of Lapped Flange	Counter Bore Threaded Flange Min.	Depth of Socket	DRILLING				LENGTH OF STUD BOLTS		
						Threaded Slip-on Socket Welding	Lapped	Welding Neck		Slip-on Socket Welding	Lapped	Welding Neck Socket Welding				Diam. of Bolt Circle	Diam. of Bolt Holes	Number of Bolts	Diam. of Bolts	Machine Bolts		Ring Joint
																				0.06 in Raised Face	0.06 in Raised Face	
O	C	X	G	A	Y1	Y2	Y3	T	B1	B2	B3	r	Q	D								
1/2	3.75	0.56	1.50	1.38	0.84	0.88	0.88	2.06	0.62	0.88	0.90	0.62	0.12	0.93	0.38	2.62	0.62	4	1/2	2.25	2.50	3.00
3/4	4.62	0.62	1.88	1.69	1.05	1.00	1.00	2.25	0.62	1.09	1.11	0.82	0.12	1.14	0.44	3.25	0.75	4	5/8	2.50	3.00	3.50
1	4.88	0.69	2.12	2.00	1.32	1.06	1.06	2.44	0.69	1.36	1.38	1.05	0.12	1.41	0.50	3.50	0.75	4	5/8	2.50	3.00	3.50
1 1/4	5.25	0.75	2.50	2.50	1.66	1.06	1.06	2.56	0.81	1.70	1.72	1.38	0.19	1.75	0.56	3.88	0.75	4	5/8	2.75	3.25	3.75
1 1/2	6.12	0.81	2.75	2.88	1.90	1.19	1.19	2.69	0.88	1.95	1.97	1.61	0.25	1.98	0.62	4.50	0.88	4	3/4	3.00	3.50	4.00
2	6.50	0.88	3.31	3.62	2.38	1.31	1.31	2.75	1.12	2.44	2.46	2.07	0.31	2.50	0.69	5.00	0.75	8	5/8	3.00	3.50	4.00
2 1/2	7.50	1.00	3.94	4.12	2.88	1.50	1.50	3.00	1.25	2.94	2.97	2.47	0.31	3.00	0.75	5.88	0.88	8	3/4	3.25	4.00	4.50
3	8.25	1.12	4.62	5.00	3.50	1.69	1.69	3.12	1.25	3.57	3.60	3.07	0.38	3.63	0.81	6.62	0.88	8	3/4	3.50	4.25	4.75
3 1/2	9.00	1.19	5.25	5.50	4.00	1.75	1.75	3.19	1.44	4.07	4.10	3.55	0.38	4.13	-	7.25	0.88	8	3/4	3.75	4.25	5.00
4	10.00	1.25	5.75	6.19	4.50	1.88	1.88	3.38	1.44	4.57	4.60	4.03	0.44	4.63	-	7.88	0.88	8	3/4	3.75	4.50	5.00
5	11.00	1.38	7.00	7.31	5.56	2.00	2.00	3.88	1.69	5.66	5.69	5.05	0.44	5.69	-	9.25	0.88	8	3/4	4.25	4.75	5.25
6	12.50	1.44	8.12	8.50	6.63	2.06	2.06	3.88	1.81	6.72	6.75	6.07	0.50	6.75	-	10.62	0.88	12	3/4	4.25	4.75	5.50
8	15.00	1.62	10.25	10.62	8.63	2.44	2.44	4.38	2.00	8.72	8.75	7.98	0.50	8.75	-	13.00	1.00	12	7/8	4.75	5.50	6.00
10	17.50	1.88	12.62	12.75	10.75	2.62	3.75	4.62	2.19	10.88	10.92	10.02	0.50	10.88	-	15.25	1.12	16	1	5.50	6.25	6.75
12	20.50	2.00	14.75	15.00	12.75	2.88	4.00	5.12	2.38	12.88	12.92	12.00	0.50	12.94	-	17.75	1.25	16	1 1/8	5.75	6.75	7.25
14	23.00	2.12	16.75	16.25	14.00	3.00	4.38	5.62	2.50	14.14	14.18	To be specified by purchaser	0.50	14.19	-	20.25	1.25	20	1 1/8	6.25	7.00	7.50
16	25.50	2.25	19.00	18.50	16.00	3.25	4.75	5.75	2.69	16.16	16.19		0.50	16.19	-	22.50	1.38	20	1 1/4	6.50	7.50	8.00
18	28.00	2.38	21.00	21.00	18.00	3.50	5.12	6.25	2.75	18.18	18.20		0.50	18.19	-	24.75	1.38	24	1 1/4	6.75	7.75	8.25
20	30.50	2.50	23.12	23.00	20.00	3.75	5.50	6.38	2.88	20.20	20.25		0.50	20.19	-	27.00	1.38	24	1 1/4	7.25	8.00	8.75
24	36.00	2.75	27.62	27.25	24.00	4.19	6.00	6.62	3.25	24.25	24.25		0.50	24.19	-	32.00	1.62	24	1 1/2	8.00	9.00	10.00

**NOTE :**

- 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).
- 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.