



All dimensions are in inches.

## ANSI B16.5 CLASS 400 LAP JOINT FLANGES

Nominal Pipe Size	Outside Diameter (O)	Thickness (T)	Raised Face Diameter (R)	Length Thru Hub (Y)	Hub Diameter (X)	Radius (r)	Bore (B)	Number of Holes	Diameter of Holes	Bolt Circle (C)	Approximate Weight (lbs)
1/2	3.75	0.56	1.38	1.38	0.88	0.13	0.90	4	0.63	2.63	2
3/4	4.63	0.63	1.69	1.69	1.00	0.13	1.11	4	0.75	3.25	3
1	4.88	0.69	2.00	2.00	1.06	0.13	1.38	4	0.75	3.50	4
1 1/4	5.25	0.81	2.50	2.50	1.13	0.19	1.72	4	0.75	3.88	5
1 1/2	6.13	0.88	2.88	2.88	1.25	0.25	1.97	4	0.88	4.50	7
2	6.50	1.00	3.63	3.63	1.44	0.31	2.46	8	0.75	5.00	9
2 1/2	7.50	1.13	4.13	4.13	1.63	0.31	2.97	8	0.88	5.88	12
3	8.25	1.25	5.00	5.00	1.81	0.38	3.60	8	0.88	6.63	15
3 1/2	9.00	1.38	5.50	5.50	1.94	0.38	4.10	8	1.00	7.25	20
4	10.00	1.38	6.19	2.00	5.75	0.44	4.60	8	1.00	7.88	25
5	11.00	1.50	7.31	2.13	7.00	0.44	5.69	8	1.00	9.25	29
6	12.50	1.63	8.50	2.25	8.13	0.50	6.75	12	1.00	10.63	42
8	15.00	1.88	10.63	2.69	10.25	0.50	8.75	12	1.13	13.00	64
10	17.50	2.13	12.75	4.00	12.63	0.50	10.92	16	1.25	15.25	110
12	20.50	2.25	15.00	4.25	14.75	0.50	12.92	16	1.38	17.75	150
14	23.00	2.38	16.25	4.63	16.75	0.50	14.18	20	1.38	20.25	205
16	25.50	2.50	18.50	5.00	19.00	0.50	16.19	20	1.50	22.50	260
18	28.00	2.63	21.00	5.38	21.00	0.50	18.20	24	1.50	24.75	315
20	30.50	2.75	23.00	5.75	23.13	0.50	20.25	24	1.63	27.00	385
22	33.00	2.88	25.25	6.00	25.25	0.50	22.25	24	1.75	29.25	455
24	36.00	3.00	27.25	6.25	27.63	0.50	24.25	24	1.88	32.00	570