

Class 300 Steel Pipe Flanges

Bolting Pattern and Bolt and Stud Lengths

Pipe Size	Diameter of Bolt Circle	Diameter of Bolt Holes	Number of Bolts	Diameter of Bolts	Machine Bolts	Stud Bolts
					0.006 in	0.006 in
					Raised Face	Raised Face
1/2	2.62	0.62	4	0.50	2.25	2.75
3/4	3.25	0.75	4	0.62	2.50	3.00
1	3.50	0.75	4	0.62	2.75	3.25
1 1/4	3.88	0.75	4	0.62	2.75	3.25
1 1/2	4.50	0.88	4	0.75	3.00	3.75
2	5.00	0.75	8	0.62	3.00	3.50
2 1/2	5.88	0.88	8	0.75	3.50	4.00
3	6.62	0.88	8	0.75	3.75	4.25
3 1/2	7.25	0.88	8	0.75	3.75	4.50
4	7.88	0.88	8	0.75	4.00	4.50
5	9.25	0.88	8	0.75	4.25	4.75
6	10.62	0.88	12	0.75	4.25	5.00
8	13.00	1.00	12	0.88	4.75	5.50
10	15.25	1.12	16	1.00	5.50	6.25
12	17.75	1.25	16	1.12	6.00	6.75
14	20.25	1.25	20	1.12	6.25	7.00
16	22.50	1.38	20	1.25	6.50	7.50
18	24.75	1.38	24	1.25	6.75	7.75
20	27.00	1.38	24	1.25	7.25	8.25
24	32.00	1.62	24	1.50	8.00	9.25
30	39.25	1.88	28	1.75		
36	46.00	2.12	32	2.00		
42	47.50	1.75	32	1.62		
48	54.00	2.00	32	1.88		