

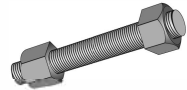


BOLTING DIMENSIONS FOR 150 LB. FLANGES

Pipe Size	Outside Diam. Flange	Diam. Of Bolt Circle	Diam. Of Bolts	No. Of Bolts	Stud Bolt Length	Machine Bolt Length
1/2	3 1/2	2 3/8	1/2	4	2 1/4	1 3/4
3/4	3 7/8	2 3/4	1/2	4	2 1/4	2
1	4 1/4	3 1/8	1/2	4	2 1/2	2
1 1/4	4 5/8	3 1/2	1/2	4	2 1/2	2 1/4
1 1/2	5	3 7/8	1/2	4	2 3/4	2 1/4
2	6	4 3/4	5/8	4	3	2 3/4
2 1/2	7	5 1/2	5/8	4	3	3
3	7 1/2	6	5/8	4	3 1/2	3
3 1/2	8 1/2	7	5/8	8	3 1/2	3
4	9	7 1/2	5/8	8	3 1/2	3
5	10	8 1/2	3/4	8	3 3/4	3 1/4
6	11	9 1/2	3/4	8	3 3/4	3 1/4
8	13 1/2	11 3/4	3/4	8	4	3 1/2
10	16	14 1/4	7/8	12	4 1/2	3 3/4
12	19	17	7/8	12	4 1/2	4
14	21	18 3/4	1	12	5	4 1/4
16	23 1/2	21 1/4	1	16	5 1/4	4 1/2
18	25	22 3/4	1 1/8	16	5 3/4	4 3/4
20	27 1/2	25	1 1/8	20	6	5 1/4
22	27 1/2	27 1/4	1 1/4	20	6 1/2	5 1/2
24	32	29 1/2	1 1/4	20	6 3/4	5 3/4
26	34 1/4	31 3/4	1 1/4	24	7	6
30	38 3/4	36	1 1/4	28	7 1/4	6 1/4
34	43 3/4	40 1/2	1 1/2	32	8	7
36	46	42 3/4	1 1/2	32	8 1/4	7
42	53	49 1/2	1 1/2	36	8 3/4	7 1/2

Notes: Stud Bolt Lengths assume 1/16" raised face flange. All dimensions are given in inches.

BOLTING DIMENSIONS FOR 300 LB. FLANGES



Pipe Size	Outside Diam. Flange	Diam. Of Bolt Circle	Diam. Of Bolts	No. Of Bolts	Stud Bolt Length	Machine Bolt Length
1/2	3 3/4	2 5/8	1/2	4	2 1/2	2
3/4	4 5/8	3 1/4	5/8	4	2 3/4	2 1/2
1	4 7/8	4 1/2	5/8	4	3	2 1/2
1 1/4	4 5/8	3 7/8	5/8	4	3	2 3/4
1 1/2	5	4 1/2	3/4	4	3 1/2	3
2	6	5	5/8	8	3 1/4	3
2 1/2	7	5 7/8	3/4	8	3 3/4	3 1/4
3	7 1/2	6 5/8	3/4	8	4	3 1/2
3 1/2	8 1/2	7 1/4	3/4	8	4 1/4	3 3/4
4	9	7 7/8	3/4	8	4 1/4	3 3/4
5	11	9 1/4	3/4	8	4 1/2	4
6	12 1/2	10 5/8	3/4	8	4 3/4	4 1/4
8	15	13	7/8	12	5 1/4	4 3/4
10	17 1/2	15 1/4	1	16	6	5 1/4
12	20 1/2	17 3/4	1 1/8	16	6 1/2	5 3/4
14	23	20 1/4	1 1/8	20	6 3/4	6
16	25 1/2	22 1/2	1 1/4	20	7 1/4	6 1/2
18	28	24 3/4	1 1/4	24	7 1/2	6 3/4
20	30 1/2	27	1 1/4	24	8	7
22	33	29 1/4	1 1/2	24	8 3/4	7 1/2
24	36	32	1 1/2	24	9	7 3/4
26	38 1/4	34 1/2	1 5/8	28	10	8 3/4
30	43	39 1/4	1 3/4	28	11 1/4	10
34	47 1/2	43 1/2	1 7/8	28	12 1/4	10 3/4
36	50	46	2	32	12 3/4	11 1/4
42	57	52 3/4	2	36	13 3/4	13 1/2

Notes: Stud Bolt Lengths assume 1/16" raised face flange. All dimensions are given in inches.