

QUANTITY AND SIZE OF STUD BOLTS FOR FLANGED JOINTS



Pipe Size	Class 125 Cast Iron Flanges 150 Forged Steel Flanges		CLASS 250 Cast Iron Flanges 300 Lb. Forged Steel Flanges		400 Lb. Forged Steel Flanges	
	No.	Dia. x Length	No.	Dia. x Length	No.	Dia. x Length
1/2	4	1/2 x 2 1/2	4	1/2 x 2 3/4	4	1/2 x 3 1/4
3/4	4	1/2 x 2 1/2	4	5/8 x 3 1/4	4	5/8 x 3 3/4
1	4	1/2 x 2 3/4	4	5/8 x 3 1/4	4	5/8 x 3 3/4
1 1/4	4	1/2 x 2 3/4	4	5/8 x 3 1/2	4	5/8 x 4
1 1/2	4	1/2 x 3	4	3/4 x 3 3/4	4	3/4 x 4 1/2
2	4	5/8 x 3 1/2	8	5/8 x 3 3/4	8	5/8 x 4 1/2
2 1/2	4	5/8 x 3 3/4	8	3/4 x 4 1/4	8	3/4 x 5
3	4	5/8 x 3 3/4	8	3/4 x 4 1/2	8	3/4 x 5 1/4
3 1/2	8	5/8 x 3 3/4	8	3/4 x 4 1/2	8	7/8 x 5 3/4
4	8	5/8 x 3 3/4	8	3/4 x 4 3/4	8	7/8 x 5 3/4
5	8	3/4 x 4	8	3/4 x 5	8	7/8 x 6
6	8	3/4 x 4 1/4	12	3/4 x 5	12	7/8 x 6 1/4
8	8	3/4 x 4 1/2	12	7/8 x 5 3/4	12	1 x 7
10	12	7/8 x 4 3/4	16	1 x 6 1/2	16	1 1/8 x 7 3/4
12	12	7/8 x 5	16	1 1/8 x 7	16	1 1/4 x 8 1/4
14	12	1 x 5 1/2	20	1 1/8 x 7 1/4	20	1 1/4 x 8 1/2
16	16	1 x 5 1/2	20	1 1/4 x 7 3/4	20	1 3/8 x 9
18	16	1 1/8 x 6	24	1 1/4 x 8	24	1 3/8 x 9 1/4
20	20	1 1/8 x 6 1/2	24	1 1/4 x 8 1/4	24	1 1/2 x 9 3/4
24	20	1 1/4 x 7	24	1 1/2 x 9 1/4	24	1 3/4 x 10 3/4

Pipe Size	600 Lb. Forged Steel Flanges		900 Lb. Forged Steel Flanges		1500 Lb. Forged Steel Flanges		2500 Lb. Forged Steel Flanges	
	No.	Dia. x Length	No.	Dia. x Length	No.	Dia. x Length	No.	Dia. x Length
1/2	4	1/2 x 3 1/4	4	3/4 x 4 1/2	4	3/4 x 4 1/2	4	3/4 x 5
3/4	4	5/8 x 3 3/4	4	3/4 x 4 3/4	4	3/4 x 4 3/4	4	3/4 x 5 1/4
1	4	5/8 x 3 3/4	4	7/8 x 5 1/4	4	7/8 x 5 1/4	4	7/8 x 5 3/4
1 1/4	4	5/8 x 4	4	7/8 x 5 1/4	4	7/8 x 5 1/4	4	1 x 6 1/4
1 1/2	4	3/4 x 4 1/2	4	1 x 5 3/4	4	1 x 5 3/4	4	1 1/8 x 7
2	8	5/8 x 4 1/2	8	7/8 x 6	8	7/8 x 6	8	1 x 7 1/4
2 1/2	8	3/4 x 5	8	1 x 6 1/2	8	1 x 6 1/2	8	1 1/8 x 8
3	8	3/4 x 5 1/4	8	7/8 x 6	8	1 1/8 x 7 1/4	8	1 1/4 x 9
3 1/2	8	7/8 x 5 3/4						
4	8	7/8 x 6	8	1 1/8 x 7	8	1 1/4 x 8	8	1 1/2 x 10 1/4
5	8	1 x 6 3/4	8	1 1/4 x 7 3/4	8	1 1/2 x 10	8	1 3/4 x 12
6	12	1 x 7	12	1 1/8 x 7 3/4	12	1 3/8 x 10 1/2	8	2 x 14
8	12	1 1/8 x 7 3/4	12	1 3/8 x 9	12	1 5/8 x 11 3/4	12	2 x 15 1/2
10	16	1 1/4 x 8 3/4	16	1 3/8 x 9 1/2	12	1 7/8 x 13 1/2	12	2 1/2 x 19 1/2
12	20	1 1/4 x 9	20	1 3/8 x 10 1/4	16	2 x 15	12	2 3/4 x 21 1/2
14	20	1 3/8 x 9 1/2	20	1 1/2 x 11	16	2 1/4 x 16 1/2		
16	20	1 1/2 x 10 1/4	20	1 5/8 x 11 1/2	16	2 1/2 x 18		
18	20	1 5/8 x 11	20	1 7/8 x 13	16	2 3/4 x 19 1/2		
20	24	1 5/8 x 11 1/2	20	2 x 14	16	3 x 21 1/2		
24	24	1 7/8 x 13	20	2 1/2 x 17 1/2	16	3 1/2 x 24 1/2		

Stud Bolt lengths shown are overall length.

When used with lap joint flanges, bolt lengths required will vary according to the thickness of the lap of the stub end.

Iron Flange dimensions are per ASME B16.1. Forged Steel Flange dimensions are per ASME B16.5.