

Bolting Dimensions for ANSI - B16.5 Flanges

Flange & Nominal Pipe Size	Flange Studs		Wrench Size	Stud Bolt Length		Ring No.
	No. Of Studs	Diameter Of Studs		Raised Face Flange (Stud Length)	Ring Joint Flange (Stud Length)	
1/2	4	3/4	1-1/4	4-1/4	4-1/4	
3/4	4	3/4	1-1/4	4-1/2	4-1/2	
1	4	7/8	1-7/16	5	5	R16
1-1/4	4	7/8	1-7/16	5	5	
1-1/2	4	1	1-5/8	5-1/2	5-1/2	R20
2	8	7/8	1-7/16	5-3/4	5-3/4	R24
2-1/2	8	1	1-5/8	6-1/4	6-1/4	
3	8	7/8	1-7/16	5-3/4	5-3/4	R31
4	8	1-1/8	1-13/16	6-3/4	6-3/4	R37
5	8	1-1/4	2	7-1/2	7-1/2	
6	12	1-1/8	1-13/16	7-1/2	7-3/4	R45
8	12	1-3/8	2-3/16	8-3/4	8-3/4	R49
10	16	1-3/8	2-3/16	9-1/4	9-1/4	R53
12	20	1-3/8	2-3/16	10	10	R57
14	20	1-1/2	2-3/8	10-3/4	11	R62
16	20	1-5/8	2-15/16	11-1/4	11-1/2	R66
18	20	1-7/8	2-9/16	12-3/4	13-1/4	R70
20	20	2	3-1/8	13-3/4	14-1/4	R74
24	20	2-1/2	3-7/8	17-1/4	18	R78
30						
36						
40						
48						