

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	1/2	7/8	2-1/2	3	
3/4	4	5/8	1-1/16	3	3-1/2	
1	4	5/8	1-1/16	3	3-1/2	R16
1-1/4	4	5/8	1-1/16	3-1/4	3-3/4	
1-1/2	4	3/4	1-1/4	3-1/2	4	R20
2	8	5/8	1-1/16	3-1/2	4	R23
2-1/2	8	3/4	1-1/4	4	4-1/2	
3	8	3/4	1-1/4	4-1/4	4-3/4	R31
3-1/2	8	3/4	1-1/4	4-1/4	5	
4	8	3/4	1-1/4	4-1/2	5	R37
5	8	3/4	1-1/4	4-3/4	5-1/4	
6	12	3/4	1-1/4	4-3/4	5-1/2	R45
8	12	7/8	1-7/16	5-1/2	6	R49
10	16	1	1-5/8	6-1/4	6-3/4	R53
12	16	1-1/8	1-13/16	6-3/4	7-1/4	R56
14	20	1-1/8	1-13/16	7	7-1/2	R57
16	20	1-1/4	2	7-1/2	8	R61
18	24	1-1/4	2	7-3/4	8-1/4	R65
20	24	1-1/4	2	8	8-3/4	R69
24	24	1-1/2	2-3/8	9	10	R77
30	28	1-3/4	2-3/4	11-1/4	11-3/4	
36	32	2	3-1/8	12-3/4	13-1/4	
42	36	2	3-1/8	13-3/4	14-1/2	
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