

BOLT SPECIFICATIONS

For Standard ANSI Flanges

Flange Designation	Bolt Qty.	Bolt Dia. (in.)	Bolt Length (in.)		
			Raised Face	Ring Joint	
1/2" - 150#	4	1/2	2-1/2		
1/2" - 300#	4	1/2	2-3/4	3	
1/2" - 400#	4	1/2	3-1/4	3	3
1/2" - 600#	4	1/2	3-1/4	3	3
1/2" - 900#	4	3/4	4-1/4	4-1/4	4
1/2" - 1500#	4	3/4	4-1/4	4-1/4	4
1/2" - 2500#	4	3/4	5-1/4	5-1/4	5
3/4" - 150#	4	1/2	2-1/2		
3/4" - 300#	4	5/8	3	3-1/2	
3/4" - 400#	4	5/8	3-1/2	3-1/2	3-1/4
3/4" - 600#	4	5/8	3-1/2	3-1/2	3-1/4
3/4" - 900#	4	3/4	4-1/2	4-1/2	4-1/4
3/4" - 1500#	4	3/4	4-1/2	4-1/2	4-1/4
3/4" - 2500#	4	3/4	5-1/4	5-1/4	5
1" - 150#	4	1/2	2-3/4	3-1/4	
1" - 300#	4	5/8	3-1/4	3-3/4	
1" - 400#	4	5/8	3-3/4	3-3/4	3-1/2
1" - 600#	4	5/8	3-3/4	3-3/4	3-1/2
1" - 900#	4	7/8	5	5	4-3/4
1" - 1500#	4	7/8	5	5	4-3/4
1" - 2500#	4	7/8	5-3/4	5-3/4	5-1/2
1-1/4" - 150#	4	1/2	2-3/4	3-1/4	
1-1/4" - 300#	4	5/8	3-1/4	3-3/4	
1-1/4" - 400#	4	5/8	4	4	3-3/4
1-1/4" - 600#	4	5/8	4	4	3-3/4
1-1/4" - 900#	4	7/8	5	5	4-3/4
1-1/4" - 1500#	4	7/8	5	5	4-3/4
1-1/4" - 2500#	4	1	6-1/4	6-1/2	6

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			Raised Face	Ring Joint	
1-1/2" - 150#	4	1/2	3	3-1/2	
1-1/2" - 300#	4	3/4	3-3/4	4-1/4	
1-1/2" - 400#	4	3/4	4-1/4	4-1/4	4
1-1/2" - 600#	4	3/4	4-1/4	4-1/4	4
1-1/2" - 900#	4	1	5-1/2	5-1/2	5-1/4
1-1/2" - 1500#	4	1	5-1/2	5-1/2	5-1/4
1-1/2" - 2500#	4	1-1/8	7-1/4	7-1/4	6-3/4
2" - 150#	4	5/8	3-1/4	3-3/4	
2" - 300#	8	5/8	3-1/2	4-1/4	
2" - 400#	8	5/8	4-1/4	4-1/2	4
2" - 600#	8	5/8	4-1/4	4-1/2	4
2" - 900#	8	7/8	5-3/4	5-3/4	5-1/2
2" - 1500#	8	7/8	5-3/4	5-3/4	5-1/2
2" - 2500#	8	1	7-1/4	7-1/2	7
2-1/2" - 150#	4	5/8	3-1/2	4	
2-1/2" - 300#	8	3/4	4	4-3/4	
2-1/2" - 400#	8	3/4	4-3/4	5	4-1/2
2-1/2" - 600#	8	3/4	4-3/4	5	4-1/2
2-1/2" - 900#	8	1	6-1/4	6-1/4	6
2-1/2" - 1500#	8	1	6-1/4	6-1/4	6
2-1/2" - 2500#	8	1-1/8	8	8-1/4	7-3/4
3" - 150#	4	5/8	3-3/4	4-1/4	
3" - 300#	8	3/4	4-1/4	5	
3" - 400#	8	3/4	5	5-1/4	4-3/4
3" - 600#	8	3/4	5	5-1/4	4-3/4
3" - 900#	8	7/8	5-3/4	6	5-1/2
3" - 1500#	8	1-1/8	7	7	6-3/4
3" - 2500#	8	1-1/4	9	9-1/4	8-3/4



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For Standard ANSI Flanges Cont.

Flange Designation	Bolt Qty.	Bolt Dia. (in.)	Bolt Length (in.)		
			Raised Face	Ring Joint	
3-1/2" - 150#	8	5/8	3-3/4	5-1/4	
3-1/2" - 300#	8	3/4	4-1/2	5-1/4	
3-1/2" - 400#	8	7/8	5-1/2	5-3/4	5-1/4
3-1/2" - 600#	8	7/8	5-1/2	5-3/4	5-1/4
4" - 150#	8	5/8	3-3/4	4-1/4	
4" - 300#	8	3/4	4-1/2	5-1/4	
4" - 400#	8	7/8	5-1/2	5-3/4	5-1/4
4" - 600#	8	7/8	5-3/4	6	5-1/2
4" - 900#	8	1-1/8	6-3/4	7	6-1/2
4" - 1500#	8	1-1/4	7-3/4	7-3/4	7-1/2
4" - 2500#	8	1-1/2	10-1/4	10-3/4	10
5" - 150#	8	3/4	4	4-1/4	
5" - 300#	8	3/4	4-3/4	5-1/2	
5" - 400#	8	7/8	5-3/4	6	5-1/2
5" - 600#	8	1	6-1/2	6-3/4	6-1/4
5" - 900#	8	1-1/4	7-1/2	7-3/4	7-1/4
5" - 1500#	8	1-1/2	9-3/4	9-3/4	9-1/2
5" - 2500#	8	1-3/4	12	12-3/4	11-3/4
6" - 150#	8	3/4	4	4-1/2	
6" - 300#	12	3/4	5	5-3/4	
6" - 400#	12	7/8	6	6-1/4	5-3/4
6" - 600#	12	1	6-3/4	7	6-1/2
6" - 900#	12	1-1/8	7-3/4	7-3/4	7-1/2
6" - 1500#	12	1-3/8	10-1/4	10-1/2	10
6" - 2500#	8	2	13-3/4	14-1/2	13-1/2
8" - 150#	8	3/4	4-1/4	4-3/4	
8" - 300#	12	7/8	5-1/2	6-1/4	
8" - 400#	12	1	6-3/4	7	6-1/2
8" - 600#	12	1-1/8	7-3/4	7-3/4	7-1/2
8" - 900#	12	1-3/8	8-3/4	9	8-1/2
8" - 1500#	12	1-5/8	11-1/2	12	11-1/4
8" - 2500#	12	2	15-1/4	16	15

Flange Designation	Bolt Qty.	Bolt Dia. (in.)	Bolt Length (in.)		
			Raised Face	Ring Joint	
10" - 150#	12	7/8	4-3/4	5-1/4	
10" - 300#	16	1	6-1/4	7	
10" - 400#	16	1-1/8	7-1/2	7-3/4	7-1/4
10" - 600#	16	1-1/4	8-1/2	8-3/4	8-1/4
10" - 900#	16	1-3/8	9-1/4	9-1/2	9
10" - 1500#	12	1-7/8	13-1/4	13-3/4	13
10" - 2500#	12	2-1/2	19-1/2	20-1/2	19-1/4
12" - 150#	12	7/8	4-3/4	5-1/4	
12" - 300#	16	1-1/8	6-3/4	7-1/2	
12" - 400#	16	1-1/4	8	8-1/4	7-3/4
12" - 600#	20	1-1/4	8-3/4	9	8-1/2
12" - 900#	20	1-3/8	10	10-1/4	9-3/4
12" - 1500#	16	2	14-3/4	15-1/2	14-1/2
12" - 2500#	12	2-3/4	21-1/2	22-1/2	21-1/4
14" - 150#	12	1	5-1/4	5-3/4	
14" - 300#	20	1-1/8	7	7-3/4	
14" - 400#	20	1-1/4	8-1/4	8-1/2	8
14" - 600#	20	1-3/8	9-1/4	9-1/2	9
14" - 900#	20	1-1/2	10-3/4	11-1/4	10-1/2
14" - 1500#	16	2-1/4	16	17	15-3/4
16" - 150#	16	1	5-1/2	6	
16" - 300#	20	1-1/4	7-1/2	8-1/4	
16" - 400#	20	1-3/8	8-3/4	9	8-1/2
16" - 600#	20	1-1/2	10	10-1/4	9-3/4
16" - 900#	20	1-5/8	11-1/4	11-3/4	11
16" - 1500#	16	2-1/2	17-1/2	18-1/2	17-1/4
18" - 150#	16	1-1/8	6	6-1/2	
18" - 300#	24	1-1/4	7-3/4	8-1/2	
18" - 400#	24	1-3/8	9	9-1/4	8-3/4
18" - 600#	20	1-5/8	10-3/4	11	10-1/2
18" - 900#	20	1-7/8	12-3/4	13-1/2	12-1/2
18" - 1500#	16	2-3/4	19-1/2	20-1/2	19



BOLT SPECIFICATIONS

For Standard ANSI Flanges Cont.

Flange Designation	Bolt Qty.	Bolt Dia. (in.)	Bolt Length (in.)		
			Raised Face	Ring Joint	
20" - 150#	20	1-1/8	6-1/4	6-3/4	
20" - 300#	24	1-1/4	8-1/4	9	
20" - 400#	24	1-1/2	9-3/4	10	9-1/2
20" - 600#	24	1-5/8	11-1/2	11-3/4	11-1/4
20" - 900#	20	2	13-1/2	14-1/4	13-1/2
20" - 1500#	16	3	21-1/2	22-1/2	21
22" - 300#	24	1-1/2			
22" - 400#	24	1-5/8			
22" - 600#	24	1-3/4			
24" - 150#	20	1-1/4	5-1/4	5-3/4	
24" - 300#	24	1-1/2	9-1/4	10-1/4	
24" - 400#	24	1-3/4	10-3/4	11-1/4	10-1/2
24" - 600#	24	1-7/8	13	13-1/4	12-3/4
24" - 900#	20	2-1/2	17-1/4	17-3/4	17
24 - 1500#	16	3-1/2	24-1/2	25-3/4	24
26" - 150#	24	1-1/4			
26" - 300#	28	1-5/8			
26" - 400#	28	1-3/4			
26" - 600#	28	1-7/8			
26" - 900#	20	2-3/4			
28" - 600#	24	1-7/8			
30" - 150#	28	1-1/4			
30" - 300#	28	1-3/4			
30" - 400#	28	2			
30" - 600#	28	2			
30" - 900#	20	3			

Flange Designation	Bolt Qty.	Bolt Dia. (in.)	Bolt Length (in.)		
			Raised Face	Ring Joint	
34" - 150#	32	1-1/2			
34" - 300#	28	1-7/8			
34" - 400#	28	2			
34" - 600#	28	2-1/4			
34" - 900#	20	3-1/2			
36" - 150#	32	1-1/2			
36" - 300#	32	2			
36" - 400#	32	2			
36" - 600#	28	2-1/2			
36" - 900#	20	3-1/2			
38" - 300#	28	1-7/8			
42" - 300#	36	2			
42" - 400#	32	2-1/2			
42" - 600#	28	2-3/4			

