

Details of Bolting for BS and ASA pipe flanges

Flange Size	150 lb (1/16" Raised Face)				300 lb (1/16" Raised Face)				400 lb (1/4" Raised Face)				600 lb (1/4" Raised Face)				900 lb (1/4" Raised Face)				1500 lb (1/4" Raised Face)				2500 lb (1/4" Raised Face)																							
	No. of Bolts	Dia. of Bolts	Length of Hex Bolt	Length of Studbolt	No. of Bolts	Dia. of Bolts	Length of Hex Bolt	Length of Studbolt	No. of Bolts	Dia. of Bolts	Length of Hex Bolt	Length of Studbolt	No. of Bolts	Dia. of Bolts	Length of Hex Bolt	Length of Studbolt	No. of Bolts	Dia. of Bolts	Length of Hex Bolt	Length of Studbolt	No. of Bolts	Dia. of Bolts	Length of Hex Bolt	Length of Studbolt	No. of Bolts	Dia. of Bolts	Length of Hex Bolt	Length of Studbolt	No. of Bolts	Dia. of Bolts	Length of Hex Bolt	Length of Studbolt																
1/2"	4	1/2"	1.3/4"	2.1/4"	4	1/2"	2"	2.1/2"	For these sizes 600 lb Flanges are used								4	1/2"	2.1/2"	3"	For these sizes 1500 lb Flanges are used								4	3/4"	3.1/2"	4"	4	3/4"	4.1/2"	4.3/4"												
3/4"	4	1/2"	2"	2.1/4"	4	5/8"	2.1/2"	2.3/4"									4	5/8"	2.1/2"	3"									4	5/8"	2.3/4"	3.1/4"	4	3/4"	3.1/2"	4"	4	3/4"	3.3/4"	4.1/4"	4	3/4"	4.1/4"	4.3/4"	4	3/4"	4.1/4"	4.3/4"
1"	4	1/2"	2"	2.1/2"	4	5/8"	2.1/2"	3"									4	5/8"	2.3/4"	3"									4	5/8"	2.3/4"	3.1/2"	4	3/4"	3.1/2"	4"	4	3/4"	3.3/4"	4.1/4"	4	3/4"	4.1/4"	4.3/4"	4	3/4"	4.1/4"	4.3/4"
1.1/4"	4	1/2"	2.1/4"	2.1/2"	4	5/8"	2.3/4"	3"									4	5/8"	2.3/4"	3"									4	5/8"	2.3/4"	3.1/2"	4	3/4"	3.1/2"	4"	4	3/4"	3.3/4"	4.1/4"	4	3/4"	4.1/4"	4.3/4"	4	3/4"	4.1/4"	4.3/4"
1.1/2"	4	1/2"	2.1/4"	2.3/4"	4	3/4"	3"	3.1/2"									4	3/4"	3"	3.1/2"									4	3/4"	3"	3.1/2"	4	3/4"	3.1/2"	4"	4	3/4"	3.3/4"	4.1/4"	4	3/4"	4.1/4"	4.3/4"	4	3/4"	4.1/4"	4.3/4"
2"	4	5/8"	2.3/4"	3"	8	5/8"	3"	3.1/2"									8	5/8"	3"	3.1/2"									8	5/8"	3"	3.1/2"	8	5/8"	3"	3.1/2"	8	5/8"	3"	3.1/2"	8	5/8"	3"	3.1/2"	8	5/8"	3"	3.1/2"
2.1/2"	4	5/8"	3"	3.1/4"	8	3/4"	3.1/4"	3.3/4"									8	3/4"	3.1/4"	3.3/4"									8	3/4"	3.1/4"	3.3/4"	8	3/4"	3.1/4"	3.3/4"	8	3/4"	3.1/4"	3.3/4"	8	3/4"	3.1/4"	3.3/4"	8	3/4"	3.1/4"	3.3/4"
3"	4	5/8"	3"	3.1/2"	8	3/4"	3.1/2"	4"									8	3/4"	3.1/2"	4"									8	3/4"	3.1/2"	4"	8	3/4"	3.1/2"	4"	8	3/4"	3.1/2"	4"	8	3/4"	3.1/2"	4"	8	3/4"	3.1/2"	4"
3.1/2"	8	5/8"	3"	3.1/2"	8	3/4"	3.3/4"	4.1/4"									8	3/4"	3.3/4"	4.1/4"									8	3/4"	3.3/4"	4.1/4"	8	3/4"	3.3/4"	4.1/4"	8	3/4"	3.3/4"	4.1/4"	8	3/4"	3.3/4"	4.1/4"	8	3/4"	3.3/4"	4.1/4"
4"	8	5/8"	3"	3.1/2"	8	3/4"	3.3/4"	4.1/4"									8	7/8"	4.3/4"	5.1/4"									8	7/8"	5"	5.1/2"	8	7/8"	5"	5.1/2"	8	7/8"	5"	5.1/2"	8	7/8"	5"	5.1/2"	8	7/8"	5"	5.1/2"
5"	8	3/4"	3.1/4"	3.3/4"	8	3/4"	4"	4.1/2"	8	7/8"	5"	5.1/2"	8	1"	5.3/4"	6.1/4"	8	1.1/8"	6"	6.1/2"	8	1.1/8"	6"	6.1/2"	8	1.1/8"	6"	6.1/2"	8	1.1/8"	6"	6.1/2"																
6"	8	3/4"	3.1/4"	3.3/4"	12	3/4"	4.1/4"	4.3/4"	12	7/8"	5.1/4"	5.3/4"	12	1"	6"	6.1/2"	12	1.1/8"	7"	7.1/2"	12	1.1/8"	7"	7.1/2"	12	1.3/8"	9.1/2"	10"	8	2"	13"	13.1/2"																
8"	8	3/4"	3.1/2"	4"	12	7/8"	4.3/4"	5.1/4"	12	1"	6"	6.1/2"	12	1.1/8"	7"	7.1/2"	12	1.3/8"	8"	8.1/2"	12	1.3/8"	8"	8.1/2"	12	1.5/8"	10.3/4"	11.1/4"	12	2"	14.1/2"	15"																
10"	12	7/8"	3.3/4"	4.1/2"	16	1"	5.1/4"	6"	16	1.1/8"	6.3/4"	7.1/4"	16	1.1/4"	7.3/4"	8.1/4"	16	1.3/8"	8.1/2"	9"	12	1.7/8"	12.3/4"	13.1/4"	12	1.7/8"	12.3/4"	13.1/4"	12	2.1/2"	18.1/2"	19"																
12"	12	7/8"	4"	4.1/2"	16	1.1/8"	5.3/4"	6.1/2"	16	1.1/4"	7.1/4"	7.3/4"	20	1.1/4"	8"	8.1/2"	20	1.3/8"	9.1/4"	9.3/4"	16	2"	14.1/4"	14.3/4"	12	2.3/4"	20.1/2"	21"																				
14"	12	1"	4.1/4"	5"	20	1.1/8"	6"	6.3/4"	20	1.1/4"	7.1/2"	8"	20	1.3/8"	8.1/2"	9"	20	1.1/2"	10"	10.1/2"	16	2.1/4"	15.1/2"	16"																								
16"	16	1"	4.1/2"	5.1/4"	20	1.1/4"	6.1/2"	7.1/4"	20	1.3/8"	8"	8.1/2"	20	1.1/2"	9.1/4"	9.3/4"	20	1.5/8"	10.1/2"	11"	16	2.1/2"	17"	17.1/2"																								
18"	16	1.1/8"	4.3/4"	5.3/4"	24	1.1/4"	6.3/4"	7.1/2"	24	1.3/8"	8.1/4"	8.3/4"	20	1.5/8"	10"	10.1/2"	20	1.7/8"	12.1/4"	12.3/4"	16	2.3/4"	18.3/4"	19.1/4"																								
20"	20	1.1/8"	5.1/4"	6"	24	1.1/4"	7"	8"	24	1.1/2"	9"	9.1/2"	24	1.5/8"	10.3/4"	11.1/4"	20	2"	13"	13.1/2"	16	3"	20.1/2"	21"																								
24"	20	1.1/4"	5.3/4"	6.3/4"	24	1.1/2"	7.3/4"	9"	24	1.3/4"	10"	10.1/2"	24	1.7/8"	12.1/4"	12.3/4"	20	2.1/2"	16.1/2"	17"	16	3.1/2"	23.1/2"	24"																								