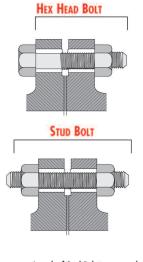
FASTENERS

BOLT-UP CHARTS FOR FLANGES

	CLASS 150 FLANGES					CLASS 600 FLANGES				
	5.55	5400 DEC		LENGTH					LENGTH (OF STUD BOLTS
NPS	N° of	DIA. OF BOLTS	.0625"	RING	HEX BOLTS .0625"	NPS	N° of	DIA. OF BOLTS	.250″	RING
	BOLTS	(inches)	RAISED FACE	JOINT	RAISED FACE		BOLTS	(inches)	RAISED FACE	JOINT
1/2	4	1/2	2.25	-	2.00	1/2	4	1/2	3.25	3.00
3/4	4	1/2	2.50	-	2.00	3/4	4	5/8	3.50	3.50
1	4	1/2	2.50	3.00	2.25	1	4	5/8	3.50	3.50
1 1/4	4	1/2	2.75	3.25	2.25	1 1/4	4	5/8	3.75	3.75
1 1/2	4	1/2	2.75	3.25	2.50	1 1/2	4	3/4	4.25	4.25
2	4	5/8	3.25	3.75	2.75	2	8	5/8	4.25	4.25
2 1/2	4	5/8	3.50	4.00	3.00	2 1/2	8	3/4	4.75	4.75
3	4	5/8	3.50	4.00	3.00	3	8	3/4	5.00	5.00
3 1/2	8	5/8	3.50	4.00	3.00	3 1/2	8	7/8	5.50	5.50
4	8	5/8	3.50	4.00	3.00	4	8	7/8	5.75	5.75
5	8	3/4	3.75	4.25	3.25	5	8	1	6.50	6.50
6	8	3/4	4.00	4.50	3.25	6	12	1	6.75	6.75
8	8	3/4	4.25	4.75	3.50	8	12	1 1/8	7.75	7.75
10	12	7/8	4.50	5.00	4.00	10	16	1 1/4	8.50	8.50
12	12	7/8	4.75	5.25	4.00	12	20	1 1/4	8.75	8.75
14	12	1	5.25	5.75	4.50	14	20	1 3/8	9.25	9.25
16	16	1	5.25	5.75	4.50	16	20	1 1/2	10.00	10.00
18	16	1 1/8	5.75	6.25	5.00	18	20	1 5/8	10.75	10.75
20	20	1 1/8	6.25	6.75	5.50	20	24	1 5/8	11.25	11.50
24	20	1 1/4	6.75	7.25	6.00	24	24	1 7/8	13.00	13.25

	CLASS 300 FLANGES						
			LENGTH				
NPS	N°	DIA. OF	STUD	HEX BOLTS			
	of	BOLTS	.0625"	RING	.0625"		
	BOLTS	(inches)	RAISED FACE	JOINT	RAISED FACE		
1/2	4	1/2	2.50	3.00	2.25		
3/4	4	5/8	3.00	3.50	2.50		
1	4	5/8	3.00	3.50	2.50		
1 1/4	4	5/8	3.25	3.75	2.75		
1 1/2	4	3/4	3.50	4.00	3.00		
2	8	5/8	3.50	4.00	3.00		
2 1/2	8	3/4	4.00	4.50	3.25		
3	8	3/4	4.25	4.75	3.50		
3 1/2	8	3/4	4.25	5.00	3.75		
4	8	3/4	4.50	5.00	3.75		
5	8	3/4	4.75	5.25	4.25		
6	12	3/4	4.75	5.50	4.25		
8	12	7/8	5.50	6.00	4.75		
10	16	1	6.25	6.75	5.50		
12	16	1 1/8	6.75	7.25	5.75		
14	20	1 1/8	7.00	7.50	6.25		
16	20	1 1/4	7.50	8.00	6.50		
18	24	1 1/4	7.75	8.25	6.75		
20	24	1 1/4	8.00	8.75	7.25		
24	24	1 1/2	9.00	10.00	8.00		



- Length of Stud Bolt is measured 1st thread to 1st thread.
 - Bolt sizes are in inches.
- Quality products at competitive prices working to your advantage





	CLASS 900 FLANGES					
		1	LENGTH OF STUD BOLTS			
NPS	N° of BOLTS	DIA. OF BOLTS (inches)	.250" RAISED FACE	RING JOINT		
1/2	4	3/4	4.25	4.25		
3/4	4	3/4	4.50	4.50		
1	4	7/8	5.00	5.00		
1 1/4	4	7/8	5.00	5.00		
1 1/2	4	1	5.50	5.50		
2	8	7/8	5.75	5.75		
2 1/2	8	1	6.25	6.25		
3	8	7/8	5.75	5.75		
4	8	1 1/8	6.75	6.75		
5	8	1 1/4	7.50	7.50		
6	12	1 1/8	7.50	7.75		
8	12	1 3/8	8.75	8.75		
10	16	1 3/8	9.25	9.25		
12	20	1 3/8	10.00	10.00		
14	20	1 1/2	10.75	11.00		
16	20	1 5/8	11.25	11.50		
18	20	17/8	12.75	13.25		
20	20	2	13.75	14.25		
24	20	2 1/2	17.25	18.00		

	CLASS 1500 FLANGES					
			LENGTH OF STUD BOLTS			
NPS	N° of BOLTS			RING JOINT		
1/2	4	3/4	4.25	4.25		
3/4	4	3/4	4.50	4.50		
1	4	7/8	5.00	5.00		
1 1/4	4	7/8	5.00	5.00		
1 1/2	4	1	5.50	5.50		
2	8	7/8	5.75	5.75		
2 1/2	8	1	6.25	6.25		
3	8	1 1/8	7.00	7.00		
4	8	1 1/4	7.75	7.75		
5	8	1 1/2	9.75	9.75		
6	12	1 3/8	10.25	10.50		
8	12	1 5/8	11.50	12.75		
10	12	17/8	13.25	13.50		
12	16	2	14.75	15.25		
14	16	2 1/4	16.00	16.75		
16	16	2 1/2	17.50	18.50		
18	16	2 3/4	19.50	20.75		
20	16	3	21.25	22.25		
24	16	3 1/2	24.25	25.50		

	CLASS 2500 FLANGES					
			LENGTH OF STUD BOLTS			
NPS	N° of BOLTS	DIA. OF BOLTS (inches)	.250" RAISED FACE	RING JOINT		
1/2	4	3/4	4.75	4.75		
3/4	4	3/4	5.00	5.00		
1	4	7/8	5.50	5.50		
1 1/4	4	1	6.00	6.00		
1 1/2	4	1 1/8	6.75	6.75		
2	8	1	7.00	7.00		
2 1/2	8	1 1/8	7.75	8.00		
3	8	1 1/4	8.50	9.00		
4	8	1 1/2	10.00	10.50		
5	8	1 3/4	11.75	12.25		
6	8	2	13.50	14.00		
8	12	2	15.00	15.50		
10	12	2 1/2	19.25	20.00		
12	12	2 3/4	21.25	22.00		