



Series 150 Flange

Pipe Size	Bolt Circle	# Bolts	Bolt Size	Nut Size
6	9-1/2	8	3/4	1-1/4
8	11-3/4	8	3/4	1-1/4
10	14-1/4	12	7/8	1-7/16
12	17	12	7/8	1-7/16
14	18-3/4	12	1	1-5/8
16	21-1/4	16	1	1-5/8
18	22-3/4	16	1-1/8	1-13/16
20	25	20	1-1/8	1-13/16
22	27-1/4	20	1-1/4	2
24	29-1/2	20	1-1/4	2
26	31-3/4	24	1-1/4	2
30	36	28	1-1/4	2
34	40-1/2	32	1-1/2	2-3/8
36	42-3/4	32	1-1/2	2-3/8

Series 175 Flange

Pipe Size	Bolt Circle	# Bolts	Bolt Size	Nut Size
42	47-3/4	40	1	1-5/8

Series 300 Flange

Pipe Size	Bolt Circle	# Bolts	Bolt Size	Nut Size
3	6-5/8	8	3/4	1-1/4
4	7-7/8	8	3/4	1-1/4
5	9-1/4	8	3/4	1-1/4
6	10-5/8	12	3/4	1-1/4
8	13	12	7/8	1-7/16
10	15-1/4	16	1	1-5/8
12	17-3/4	16	1-1/8	1-13/16
14	20-1/4	20	1-1/8	1-13/16
16	22-1/2	20	1-1/4	2
18	24-3/4	24	1-1/4	2
20	27	24	1-1/4	2
22	29-1/4	24	1-1/2	2-3/8
24	32	24	1-1/2	2-3/8
26	34-1/2	28	1-5/8	2-9/16
30	39-1/4	28	1-3/4	2-3/4
34	43-1/2	28	1-7/8	2-15/16
36	46	32	2	3-1/8
42	52-3/4	36	2	3-1/8

Series 400 Flange

Pipe Size	Bolt Circle	# Bolts	Bolt Size	Nut Size
3	6-5/8	8	3/4	1-1/4
4	7-7/8	8	7/8	1-7/16
5	9-1/4	8	7/8	1-7/16
6	10-5/8	12	7/8	1-7/16
8	13	12	1	1-5/8
10	15-1/4	16	1-1/8	1-13/16
12	17-3/4	16	1-1/4	2
14	20-1/4	20	1-1/4	2
16	22-1/2	20	1-3/8	2-3/16
18	24-3/4	24	1-3/8	2-3/16
20	27	24	1-1/2	2-3/8
22	29-1/4	24	1-5/8	2-9/16
24	32	24	1-3/4	2-3/4
26	34-1/2	28	1-3/4	2-3/4
30	39-1/4	28	2	3-1/8
34	43-1/2	28	2	3-1/8
36	46	32	2	3-1/8
42	52-3/4	32	2-1/2	3-7/8

Series 600 Flange

Pipe Size	Bolt Circle	# Bolts	Bolt Size	Nut Size
3	6-5/8	8	3/4	1-1/4
4	8-1/2	8	7/8	1-7/16
5	10-1/2	8	1	1-5/8
6	11-1/2	12	1	1-5/8
8	13-3/4	12	1-1/8	1-13/16
10	17	16	1-1/4	2
12	19-1/4	20	1-1/4	2
14	20-3/4	20	1-3/8	2-3/16
16	23-3/4	20	1-1/2	2-3/8
18	25-3/4	20	1-5/8	2-9/16
20	28-1/2	24	1-5/8	2-9/16
22	30-5/8	24	1-3/4	2-3/4
24	33	24	1-7/8	2-15/16
26	36	28	1-7/8	2-15/16
30	40-1/4	28	2	3-1/8
34	44-1/2	28	2-1/4	3-1/2
36	47	28	2-1/2	3-7/8
42	53-3/4	28	2-3/4	4-1/4

Series 900 Flange

Pipe Size	Bolt Circle	# Bolts	Bolt Size	Nut Size
2	6-1/2	8	7/8	1-7/16
3	7-1/2	8	7/8	1-7/16
4	9-1/4	8	1-1/8	1-13/16
5	11	8	1-1/4	2
6	12-1/2	12	1-1/8	1-13/16
8	15-1/2	12	1-3/8	2-3/16
10	17-1/2	16	1-3/8	2-3/16
12	21	20	1-3/8	2-3/16
14	22	20	1-1/2	2-3/8
16	24-1/4	20	1-5/8	2-9/16
18	27	20	1-7/8	2-15/16
20	29-1/2	20	2	3-1/8
24	35-1/2	20	2-1/2	3-7/8
26	37-1/2	20	2-3/4	4-1/4
30	42-3/4	20	3	4-5/8

Series 1500 Flange

Pipe Size	Bolt Circle	# Bolts	Bolt Size	Nut Size
2	6-1/2	8	7/8	1-7/16
3	8	8	1-1/8	1-13/16
4	9-1/2	8	1-1/4	2
5	11-1/2	8	1-1/2	2-3/8
6	12-1/2	12	1-3/8	2-3/16
8	15-1/2	12	1-5/8	2-9/16
10	19	12	1-7/8	2-15/16
12	22-1/2	16	2	3-1/8
14	25	16	2-1/4	3-1/2
16	27-3/4	16	2-1/2	3-7/8
18	30-1/2	16	2-3/4	4-1/4
20	32-3/4	16	3	4-5/8
24	38	16	3-1/2	5

Series 2500 Flange

Pipe Size	Bolt Circle	# Bolts	Bolt Size	Nut Size
2	6-3/4	8	1	1-5/8
3	9	8	1-1/4	2
4	10-3/4	8	1-1/2	2-3/8
5	12-3/4	8	1-3/4	2-3/4
6	14-1/2	8	2	3-1/8
8	17-1/4	12	2	3-1/8
10	21-1/4	12	2-1/2	3-7/8
12	24-3/8	12	2-3/4	4-1/4