

The studs sizes for ANSI forged steel flanges 150 lb, 300 lb, 400 lb, 600 lb, 900 lb and 1500 lb can be found in the tables below. The sizes are for standard facing and standard pressure ratings flange to flange.

### Forged Steel Flanges - 150 lb

NPS (in)	No. of Studs	Diameter of Stud (in)	Length of Stud (in)
1/2	4	1/2	2-1/2
3/4	4	1/2	2-1/2
1	4	1/2	2-3/4
1-1/4	4	1/2	2-3/4
1-1/2	4	1/2	3
2	4	5/8	3-1/2
2-1/2	4	5/8	3-3/4
3	4	5/8	3-3/4
3-1/2	8	5/8	3-3/4
4	8	5/8	3-3/4
5	8	3/4	4
6	8	3/4	4-1/4
8	8	3/4	4-1/2
10	12	7/8	4-3/4
12	12	7/8	5
14	12	1	5-1/2

16	16	1	5-1/2
18	16	1-1/8	6

**Forged Steel Flanges - 300 lb**

NPS (in)	No. of Studs	Diameter of Stud (in)	Length of Stud (in)
1/2	4	1/2	2-3/4
3/4	4	5/8	3-1/4
1	4	5/8	3-1/4
1-1/4	4	5/8	3-1/2
1-1/2	4	3/4	3-3/4
2	8	5/8	3-3/4
2-1/2	8	3/4	4-1/4
3	8	3/4	4-1/2
3-1/2	8	3/4	4-1/2
4	8	3/4	4-3/4
5	8	3/4	5
6	12	3/4	5
8	12	7/8	5-3/4
10	16	1	6-1/2
12	16	1	7

14	20	1-1/8	7-1/4
16	20	1-1/4	7-3/4
18	24	1-1/4	8

### Forged Steel Flanges - 400 lb

NPS (in)	No. of Studs	Diameter of Stud (in)	Length of Stud (in)
1/2	4	1/2	3-1/4
3/4	4	5/8	3-3/4
1	4	5/8	3-3/4
1-1/4	4	5/8	4
1-1/2	4	3/4	4-1/2
2	8	3/4	4-1/2
2-1/2	8	3/4	5
3	8	3/4	5-1/4
3-1/2	8	7/8	5-3/4
4	8	7/8	5-3/4
5	8	7/8	6
6	12	7/8	6-1/4
8	12	1	7
10	16	1-1/8	7-3/4

12	16	1-1/4	8-1/4
14	20	1-1/4	8-1/2
16	20	1-3/8	9
18	24	1-3/8	9-1/4

### Forged Steel Flanges - 600 lb

NPS (in)	No. of Studs	Diameter of Stud (in)	Length of Stud (in)
1/2	4	1/2	3-1/4
3/4	4	5/8	3-3/4
1	4	5/8	3-3/4
1-1/4	4	5/8	4
1-1/2	4	3/4	4-1/2
2	8	3/4	4-1/2
2-1/2	8	3/4	5
3	8	3/4	5-1/4
3-1/2	8	7/8	5-3/4
4	8	7/8	6
5	8	1	6-3/4
6	12	1	7
8	12	1-1/8	7-3/4

10	16	1-1/4	8-3/4
12	20	1-1/4	9
14	20	1-3/8	9-1/2
16	20	1-1/2	10-1/4
18	20	1-5/8	11

**Forged Steel Flanges - 900 lb**

NPS (in)	No. of Studs	Diameter of Stud (in)	Length of Stud (in)
1/2	4	3/4	4-1/2
3/4	4	3/4	4-3/4
1	4	7/8	5-1/4
1-1/4	4	7/8	5-1/4
1-1/2	4	7/8	5-3/4
2	8	7/8	6
2-1/2	8	1	6-1/2
3	8	1	6
4	8	1-1/8	7
5	8	1-1/8	7-3/4
6	12	1-1/8	7-3/4
8	12	1-3/8	9

10	16	1-3/8	9-1/2
12	20	1-3/8	10-1/4
14	20	1-1/2	11
16	20	1-5/8	11-1/2
18	20	1-7/8	13

**Forged Steel Flanges - 1500 lb**

NPS (in)	No. of Studs	Diameter of Stud (in)	Length of Stud (in)
1/2	4	3/4	4-1/2
3/4	4	3/4	4-3/4
1	4	7/8	5-1/4
1-1/4	4	7/8	5-1/4
1-1/2	4	7/8	5-3/4
2	8	7/8	6
2-1/2	8	1	6-1/2
3	8	1-1/8	7-1/4
4	8	1-1/4	8
5	8	1-1/2	10
6	12	1-3/8	10-1/2
8	12	1-5/8	11-3/4

10	12	1-7/8	13-1/2
12	16	2	15
14	16	2-1/4	16-1/2
16	16	2-1/4	18
18	16	2-3/4	19-1/2