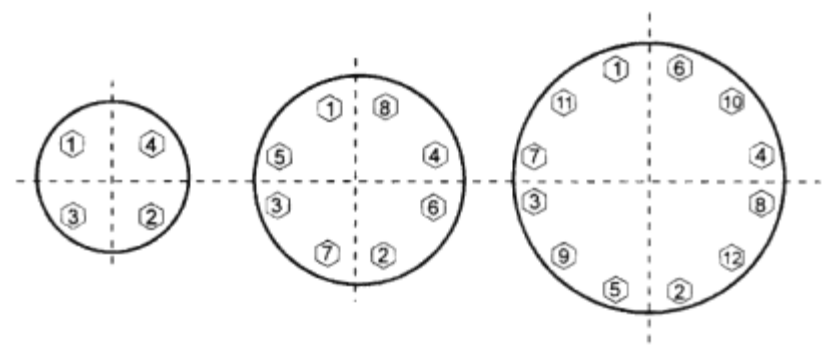


Flange Installation Data

Proper installation of a flange can be made easier with the help of installation data. The following includes important points, a torque sequence chart and a bolt information table. We hope that you find this data both convenient and helpful in properly completing your project.

Important points:

1. Recommended Gaskets: full face, 1/8" thick elastomeric, 50-70 Shore A hardness.
2. Bolt threads should be well lubricated.
3. Nut and bolt threads should be free running during assembly.
4. Follow illustrated bolt tightening sequence.
5. Always use full size flat washers with bolts and nuts.



Torque sequence chart Bolt information table

Size	Bolt Circle Diameter	Bolts (req'd)	Bolt Size (UNC x Length)	Torque
1/2	2.37	4	1/2-13 x 1 3/4	15-20
3/4	2.75	4	1/2-13 x 1-15/16	15-20
1	3.12	4	1/2-13 x 2	15-20
1 1/4	3.50	4	1/2-13 x 2 1/4	15-20
1 1/2	3.87	4	1/2-13 x 2 3/4	15-20
2	4.75	4	5/8-11 x 3	20-30
2 1/2	5.5	4	5/8-11 x 3 1/4	20-30
3	6	4	5/8-11 x 3-5/8	20-30
4	7.5	8	5/8-11 x 3 3/4	20-30
5	8.5	8	3/4-10 x 6-3/4	25-35
6	9.5	8	3/4-10 x 4-3/8	30-50
8	11.75	8	3/4-10 x 4-3/8	30-50
10	14.25	12	7/8-9 x 4 1/2	53-75
12	17	12	7/8-9 x 4-5/8	53-75

UNC=Unified National Course

Note: Mating dimensions and configurations conform to ANSI B 16.5, Class 150 flanges. Socket diameters conform to ASTM D 2467. Working Pressure is 150 psi water at 73.4°F. Use primer and heavy-bodied PVC cement in accordance with ASTM D 2855.