

FLANGE DIMENSIONS



CLASS 150

ANSI B16.5-1/16" Raised Faced – Also Mate with ANSI B16.1 125# Flat Faced Flanges

| Size (in.) | Flange Diameter | | Flange Thickness | | Bolt Circle Diameter | | Bolt Hole Diameter | | Number of Bolt Holes | Diameter of Bolts | | Length of Stud Bolts | |
|------------|-----------------|---------|------------------|---------|----------------------|---------|--------------------|---------|----------------------|-------------------|---------|----------------------|---------|
| | Fraction | Decimal | Fraction | Decimal | Fraction | Decimal | Fraction | Decimal | | Fraction | Decimal | Fraction | Decimal |
| 2 | 6 | 6.0 | 5/8 | 0.6250 | 4-3/4 | 4.75 | 3/4 | 0.750 | 4 | 5/8 | 0.625 | 3-1/4 | 3.25 |
| 2-1/2 | 7 | 7.0 | 11/16 | 0.6875 | 5-1/2 | 5.50 | 3/4 | 0.750 | 4 | 5/8 | 0.625 | 3-1/2 | 3.50 |
| 3 | 7-1/2 | 7.5 | 3/4 | 0.7500 | 6 | 6.00 | 3/4 | 0.750 | 4 | 5/8 | 0.625 | 3-3/4 | 3.75 |
| 3-1/2 | 8-1/2 | 8.5 | 13/16 | 0.8125 | 7 | 7.00 | 3/4 | 0.750 | 8 | 5/8 | 0.625 | 3-3/4 | 3.75 |
| 4 | 9 | 9.0 | 15/16 | 0.9375 | 7-1/2 | 7.50 | 3/4 | 0.750 | 8 | 5/8 | 0.625 | 3-3/4 | 3.75 |
| 5 | 10 | 10.0 | 15/16 | 0.9375 | 8-1/2 | 8.50 | 7/8 | 0.875 | 8 | 3/4 | 0.750 | 4 | 4.00 |
| 6 | 11 | 11.0 | 1 | 1.000 | 9-1/2 | 9.50 | 7/8 | 0.875 | 8 | 3/4 | 0.750 | 4 | 4.00 |
| 8 | 13-1/2 | 13.5 | 1-1/8 | 1.1250 | 11-3/4 | 11.75 | 7/8 | 0.875 | 8 | 3/4 | 0.750 | 4-1/4 | 4.25 |
| 10 | 16 | 16.0 | 1-3/16 | 1.1875 | 14-1/4 | 14.25 | 1 | 1.000 | 12 | 7/8 | 0.875 | 4-3/4 | 4.75 |
| 12 | 19 | 19.0 | 1-1/4 | 1.2500 | 17 | 17.00 | 1 | 1.000 | 12 | 7/8 | 0.875 | 4-3/4 | 4.75 |
| 14 | 21 | 21.0 | 1-3/8 | 1.3750 | 18-3/4 | 18.75 | 1-1/8 | 1.125 | 12 | 1 | 1.000 | 5-1/4 | 5.25 |
| 16 | 23-1/2 | 23.5 | 1-7/16 | 1.4375 | 21-1/4 | 21.25 | 1-1/8 | 1.125 | 16 | 1 | 1.000 | 5-1/2 | 5.50 |
| 18 | 25 | 25.0 | 1-9/16 | 1.5625 | 22-3/4 | 22.75 | 1-1/4 | 1.250 | 16 | 1-1/8 | 1.125 | 6 | 6.00 |
| 20 | 27-1/2 | 27.5 | 1-11/16 | 1.6875 | 25 | 25.00 | 1-1/4 | 1.250 | 20 | 1-1/8 | 1.125 | 6-1/4 | 6.25 |
| 24 | 32 | 32.0 | 1-7/8 | 1.8750 | 29-1/2 | 29.50 | 1-3/8 | 1.375 | 20 | 1-1/4 | 1.250 | 7 | 7.00 |

CLASS 300

ANSI B16.5-1/16" Raised Faced – Also Mate with ANSI B16.1 250# Flat Faced Flanges

| Size (in.) | Flange Diameter | | Flange Thickness | | Bolt Circle Diameter | | Bolt Hole Diameter | | Number of Bolt Holes | Diameter of Bolts | | Length of Stud Bolts | |
|------------|-----------------|---------|------------------|---------|----------------------|---------|--------------------|---------|----------------------|-------------------|---------|----------------------|---------|
| | Fraction | Decimal | Fraction | Decimal | Fraction | Decimal | Fraction | Decimal | | Fraction | Decimal | Fraction | Decimal |
| 2 | 6-1/2 | 6.50 | 7/8 | 0.8750 | 5 | 5.000 | 3/4 | 0.750 | 8 | 5/8 | 0.625 | 3-1/2 | 3.50 |
| 2-1/2 | 7-1/2 | 7.50 | 1 | 1.0000 | 5-7/8 | 5.875 | 7/8 | 0.875 | 8 | 3/4 | 0.750 | 4 | 4.00 |
| 3 | 8-1/4 | 8.25 | 1-1/8 | 1.1250 | 6-5/8 | 6.625 | 7/8 | 0.875 | 8 | 3/4 | 0.750 | 4-1/4 | 4.25 |
| 3-1/2 | 9 | 9.00 | 1-3/16 | 1.1875 | 7-1/4 | 7.250 | 7/8 | 0.875 | 8 | 3/4 | 0.750 | 4-1/2 | 4.50 |
| 4 | 10 | 10.00 | 1-1/4 | 1.2500 | 7-7/8 | 7.875 | 7/8 | 0.875 | 8 | 3/4 | 0.750 | 4-1/2 | 4.50 |
| 5 | 11 | 11.00 | 1-3/8 | 1.3750 | 9-1/4 | 9.250 | 7/8 | 0.875 | 8 | 3/4 | 0.750 | 4-3/4 | 4.75 |
| 6 | 12-1/2 | 12.50 | 1-7/16 | 1.4375 | 10-5/8 | 10.625 | 7/8 | 0.875 | 12 | 3/4 | 0.750 | 5 | 5.00 |
| 8 | 15 | 15.00 | 1-5/8 | 1.6250 | 13 | 13.000 | 1 | 1.000 | 12 | 7/8 | 0.875 | 5-1/2 | 5.50 |
| 10 | 17-1/2 | 17.50 | 1-7/8 | 1.8750 | 15-1/4 | 15.250 | 1-1/8 | 1.125 | 16 | 1 | 1.000 | 6-1/4 | 6.25 |
| 12 | 20-1/2 | 20.50 | 2 | 2.0000 | 17-3/4 | 17.750 | 1-1/4 | 1.250 | 16 | 1-1/8 | 1.125 | 6-3/4 | 6.75 |
| 14 | 23 | 23.00 | 2-1/8 | 2.1250 | 20-1/4 | 20.250 | 1-1/4 | 1.250 | 20 | 1-1/8 | 1.125 | 7 | 7.00 |
| 16 | 25-1/2 | 25.50 | 2-1/4 | 2.2500 | 22-1/2 | 22.500 | 1-3/8 | 1.375 | 20 | 1-1/4 | 1.250 | 7-1/2 | 7.50 |
| 18 | 28 | 28.00 | 2-3/8 | 2.3750 | 24-3/4 | 24.750 | 1-3/8 | 1.375 | 24 | 1-1/4 | 1.250 | 7-3/4 | 7.75 |
| 20 | 30-1/2 | 30.50 | 2-1/2 | 2.5000 | 27 | 27.000 | 1-3/8 | 1.375 | 24 | 1-1/4 | 1.250 | 8-1/4 | 8.25 |
| 24 | 36 | 36.00 | 2-3/4 | 2.7500 | 32 | 32.000 | 1-5/8 | 1.625 | 24 | 1-1/2 | 1.500 | 9-1/4 | 9.25 |