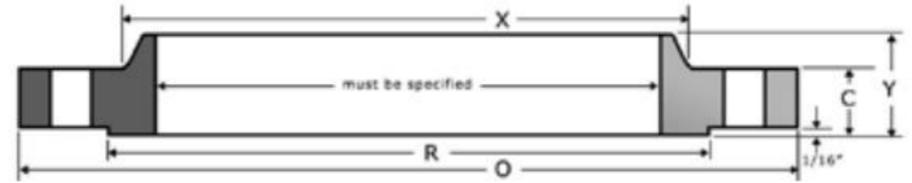


WELDING NECK TYPE



SLIP-ON TYPE

Welding Neck and Blind†

| Nominal Pipe Size (Inside Diam.) | COMMON DIMENSIONS | | | THICKNESS | | Diam. at Base of Hub | Length Thru Hub | Approx Weight Pounds | | DRILLING TEMPLATE | | | |
|----------------------------------|-------------------|------------------|----------------------|--------------|-------|----------------------|-----------------|----------------------|-------|-------------------|-----------------|----------------|---------------|
| | Outside Diameter | O.D. Raised Face | Asbestos Gasket Size | Welding Neck | Blind | | | Welding Neck | Blind | Bolt Circle Diam. | Number of Holes | Diam. of Holes | Diam of Bolts |
| | O | R | | C | C | | | | | | | | |
| 26 | 31.50 | 28.625 | 27.75 x 28.625 | 1.25 | 1.25 | 27.125 | 3 | 98 | 265 | 29.625 | 32 | 1 | .875 |
| 28 | 33.50 | 30.625 | 29.75 x 30.625 | 1.25 | 1.25 | 29.125 | 3 | 105 | 300 | 31.625 | 36 | 1 | .875 |
| 30 | 35.50 | 32.625 | 31.75 x 32.625 | 1.25 | 1.375 | 31.125 | 3 | 110 | 370 | 33.625 | 36 | 1 | .875 |
| 32 | 38.25 | 35 | 33.875 x 35 | 1.25 | 1.50 | 33.375 | 3.25 | 140 | 470 | 36.125 | 36 | 1.125 | 1 |
| 34 | 40.25 | 37 | 35.875 x 37 | 1.25 | 1.50 | 35.375 | 3.25 | 150 | 520 | 38.125 | 40 | 1.125 | 1 |
| 36 | 42.25 | 39 | 37.875 x 39 | 1.25 | 1.625 | 37.375 | 3.25 | 160 | 620 | 40.125 | 40 | 1.125 | 1 |
| 42 | 49 | 45.50 | 44.125 x 45.50 | 1.25 | 1.875 | 43.75 | 3.50 | 210 | 970 | 46.75 | 48 | 1.25 | 1.125 |
| 48 | 55 | 51.50 | 50.125 x 51.50 | 1.25 | 2.125 | 49.75 | 3.75 | 240 | 1375 | 52.75 | 52 | 1.25 | 1.125 |
| 54 | 61.25 | 57.75 | 56.25 x 57.75 | 1.375 | 2.375 | 56 | 4 | 310 | 1925 | 59 | 64 | 1.25 | 1.125 |
| 60 | 67.25 | 63.75 | 62.25 x 63.75 | 1.625 | 2.625 | 62 | 4.375 | 400 | 2575 | 65 | 72 | 1.25 | 1.125 |
| 66 | 74 | 70.125 | 68.375 x 70.125 | 1.875 | 2.875 | 68 | 4.875 | 560 | 3400 | 71.50 | 72 | 1.375 | 1.25 |
| 72 | 80 | 76.125 | 74.375 x 76.125 | 2.25 | 3.125 | 74 | 5.25 | 700 | 4350 | 77.50 | 80 | 1.375 | 1.25 |

Slip-On and Blind†

| Nominal Pipe Size (Inside Diam.) | COMMON DIMENSIONS | | | THICKNESS | | Diam. at Base of Hub | Length Thru Hub | Approx Weight Pounds | | DRILLING TEMPLATE | | | |
|----------------------------------|-------------------|------------------|----------------------|-----------|-------|----------------------|-----------------|----------------------|-------|-------------------|-----------------|----------------|---------------|
| | Outside Diameter | O.D. Raised Face | Asbestos Gasket Size | Slip-On | Blind | | | Slip-On | Blind | Bolt Circle Diam. | Number of Holes | Diam. of Holes | Diam of Bolts |
| | O | R | | C | C | | | | | | | | |
| 26 | 33 | 30 | 29.125 x 30 | 1.25 | 1.25 | 28.50 | 2.25 | 120 | 290 | 31 | 32 | 1 | .875 |
| 28 | 35 | 32 | 31.125 x 32 | 1.25 | 1.375 | 30.50 | 2.25 | 140 | 360 | 33 | 36 | 1 | .875 |
| 30 | 37 | 34 | 33.125 x 34 | 1.25 | 1.375 | 32.50 | 2.25 | 150 | 405 | 35 | 36 | 1 | .875 |
| 32 | 39.50 | 36.25 | 35.125 x 36.25 | 1.25 | 1.50 | 34.625 | 2.50 | 170 | 500 | 37.375 | 40 | 1.125 | 1 |
| 34 | 41.50 | 38.25 | 37.125 x 38.25 | 1.25 | 1.625 | 36.625 | 2.50 | 180 | 600 | 39.375 | 40 | 1.125 | 1 |
| 36 | 43.50 | 40.25 | 39.125 x 40.25 | 1.25 | 1.625 | 38.625 | 2.50 | 190 | 660 | 41.375 | 44 | 1.125 | 1 |
| 42 | 50 | 46.50 | 45.125 x 46.50 | 1.25 | 1.875 | 44.75 | 2.75 | 235 | 1000 | 47.75 | 48 | 1.25 | 1.125 |
| 48 | 56 | 52.50 | 51.125 x 52.50 | 1.25 | 2.125 | 50.75 | 2.875 | 270 | 1450 | 53.75 | 56 | 1.25 | 1.125 |
| 54 | 62.50 | 59 | 57.50 x 59 | 1.375 | 2.375 | 57.25 | 3.125 | 335 | 2000 | 60.25 | 68 | 1.25 | 1.125 |
| 60 | 68.50 | 65 | 63.50 x 65 | 1.625 | 2.625 | 63.25 | 3.625 | 450 | 2675 | 66.25 | 72 | 1.25 | 1.125 |
| 66 | 75.50 | 71.625 | 69.875 x 71.625 | 1.75 | 2.875 | 69.50 | 4 | 590 | 3550 | 73 | 72 | 1.375 | 1.250 |
| 72 | 81.50 | 77.625 | 75.875 x 77.625 | 2 | 3.125 | 75.50 | 4.50 | 730 | 4500 | 79 | 80 | 1.375 | 1.250 |

† This designations applies to flanges formerly listed as "50 Lb. Pressure at 100°F."

‡ Outside diameter, facing diameter and drilling of Class 75 Blind Flanges depend on whether they are used against Welding Neck or Slip-On type flanges. Dimensions are tabulated above for each application.

Pressure ratings are based on inside diameters of pipe or shell as listed in "Nominal Size" column, and pipe or shell thicknesses ranging from 1/4" to 1/2". Class 75 flanges are rated:--

With cloth inserted rubber gasket (from OD of raised face to flange bore):--> 75 psi at -20F to 100F;

With asbestos gasket:--> 50 psi at -20F to 450F.

Carbon steel bolts are intended.

Notes Applicable to CLASSES 75 and 175

Classes 75 and 175 flanges are designed in accordance with "Modern Flange Design" Taylor Forge Bullitin 502) and comply with all respects with the current ASME Boiler and Pressure Vessel code.

While a 1/16" raised face is indicated, any other type of facing can be furnished.

Larger sizes as well as intermediate sizes can be furnished.

All dimensions may be varied per request.

All dimensions are in inches. Prices on application. Convert to [MILLIMETERS](#).