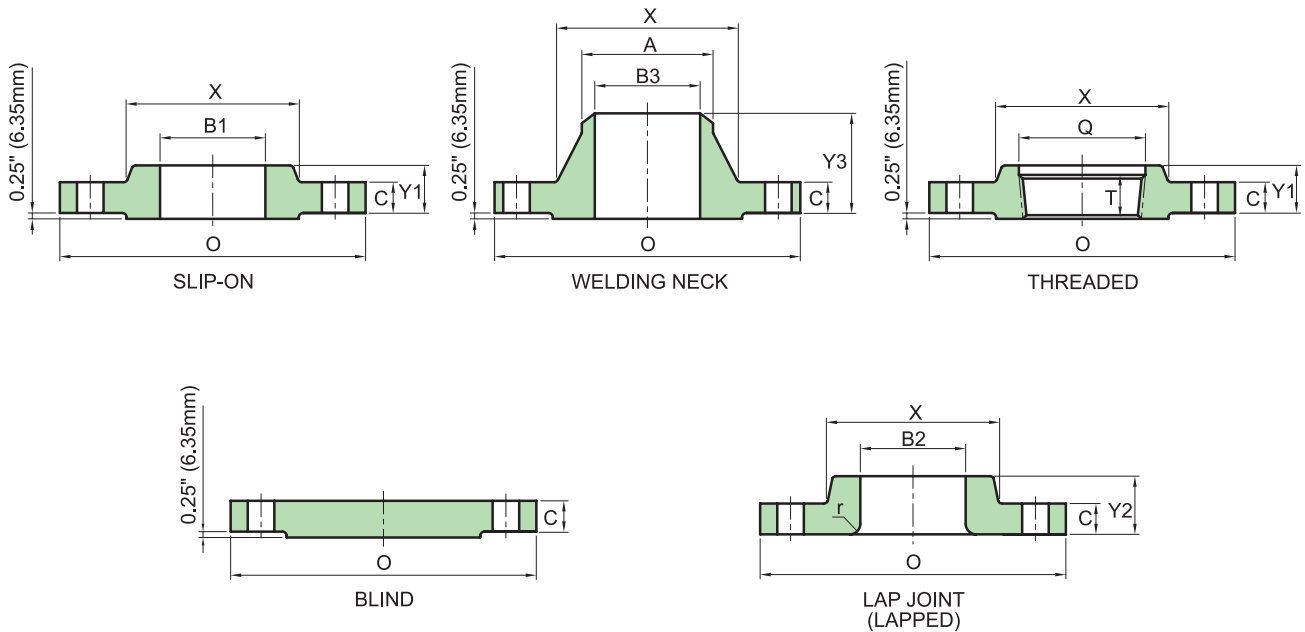


CLASS 900 FLANGES

ANSI B 16.5 FORGED FLANGES



Unit : inch

| Nominal Pipe Size | Outside Diam. of Flanges | Thk. of Flange Min. | Diam. of Hub | Hub Diam. Chamfer of W.N | LENGTH THROUGH HUB | | | Thread Length | BORE | | | Corner Radius of Bore of Lapped Flange | Counter bore Threaded Flange Min. | DRILLING | | | | LENGTH OF STUD BOLTS | | |
|-------------------|--------------------------|---------------------|--------------|--------------------------|--------------------|--------|--------------|---------------|---------|--------|--------------|--|-----------------------------------|----------------------|---------------------|-----------------|----------------|-------------------------|----------------------------------|------------|
| | | | | | Threaded Slip-on | Lapped | Welding Neck | | Slip-on | Lapped | Welding Neck | | | Diam. of Bolt Circle | Diam. of Bolt Holes | Number of Bolts | Diam. of Bolts | Raised Face (0.25 Inch) | Male & Female or Tongue & Groove | Ring Joint |
| | | | | | | | | | | | | | | | | | | | | |
| 1/2 | 4.75 | 0.88 | 1.50 | 0.84 | 1.25 | 1.25 | 2.38 | 0.88 | 0.88 | 0.90 | 0.12 | 0.93 | 3.25 | 0.88 | 4 | 3/4 | 4.25 | 4.00 | 4.25 | |
| 3/4 | 5.12 | 1.00 | 1.75 | 1.05 | 1.38 | 1.38 | 2.75 | 1.00 | 1.09 | 1.11 | 0.12 | 1.14 | 3.50 | 0.88 | 4 | 3/4 | 4.50 | 4.25 | 4.50 | |
| 1 | 5.88 | 1.12 | 2.06 | 1.32 | 1.62 | 1.62 | 2.88 | 1.12 | 1.36 | 1.38 | 0.12 | 1.41 | 4.00 | 1.00 | 4 | 7/8 | 5.00 | 4.75 | 5.00 | |
| 1 1/4 | 6.25 | 1.12 | 2.50 | 1.66 | 1.62 | 1.62 | 2.88 | 1.19 | 1.70 | 1.72 | 0.19 | 1.75 | 4.38 | 1.00 | 4 | 7/8 | 5.00 | 4.75 | 5.00 | |
| 1 1/2 | 7.00 | 1.25 | 2.75 | 1.90 | 1.75 | 1.75 | 3.25 | 1.25 | 1.95 | 1.97 | 0.25 | 1.99 | 4.88 | 1.12 | 4 | 1 | 5.50 | 5.25 | 5.50 | |
| 2 | 8.50 | 1.50 | 4.12 | 2.38 | 2.25 | 2.25 | 4.00 | 1.50 | 2.44 | 2.46 | 0.31 | 2.50 | 6.50 | 1.00 | 8 | 7/8 | 5.75 | 5.50 | 5.75 | |
| 2 1/2 | 9.62 | 1.62 | 4.88 | 2.88 | 2.50 | 2.50 | 4.12 | 1.88 | 2.94 | 2.97 | 0.31 | 3.00 | 7.50 | 1.12 | 8 | 1 | 6.25 | 6.00 | 6.25 | |
| 3 | 9.50 | 1.50 | 5.00 | 3.50 | 2.12 | 2.12 | 4.00 | 1.62 | 3.57 | 3.60 | 0.38 | 3.63 | 7.50 | 1.00 | 8 | 7/8 | 5.75 | 5.50 | 5.75 | |
| 4 | 11.50 | 1.75 | 6.25 | 4.50 | 2.75 | 2.75 | 4.50 | 1.88 | 4.57 | 4.60 | 0.44 | 4.63 | 9.25 | 1.25 | 8 | 1 1/8 | 6.75 | 6.50 | 6.75 | |
| 5 | 13.75 | 2.00 | 7.50 | 5.56 | 3.12 | 3.12 | 5.00 | 2.12 | 5.66 | 5.69 | 0.44 | 5.69 | 11.00 | 1.38 | 8 | 1 1/4 | 7.50 | 7.25 | 7.50 | |
| 6 | 15.00 | 2.19 | 9.25 | 6.63 | 3.38 | 3.38 | 5.50 | 2.25 | 6.72 | 6.75 | 0.50 | 6.75 | 12.50 | 1.25 | 12 | 1 1/8 | 7.50 | 7.25 | 7.75 | |
| 8 | 18.50 | 2.50 | 11.75 | 8.63 | 4.00 | 4.50 | 6.38 | 2.50 | 8.72 | 8.75 | 0.50 | 8.75 | 15.50 | 1.50 | 12 | 1 3/8 | 8.75 | 8.50 | 8.75 | |
| 10 | 21.50 | 2.75 | 14.50 | 10.75 | 4.25 | 5.00 | 7.25 | 2.81 | 10.88 | 10.92 | 0.50 | 10.88 | 18.50 | 1.50 | 16 | 1 3/8 | 9.25 | 9.00 | 9.25 | |
| 12 | 24.00 | 3.12 | 16.50 | 12.75 | 4.62 | 5.62 | 7.88 | 3.00 | 12.88 | 12.92 | 0.50 | 12.94 | 21.00 | 1.50 | 20 | 1 3/8 | 10.00 | 9.75 | 10.00 | |
| 14 | 25.25 | 3.38 | 17.75 | 14.00 | 5.12 | 6.12 | 8.38 | 3.25 | 14.14 | 14.18 | 0.50 | 14.19 | 22.00 | 1.62 | 20 | 1 1/2 | 10.75 | 10.50 | 11.00 | |
| 16 | 27.75 | 3.50 | 20.00 | 16.00 | 5.25 | 6.50 | 8.50 | 3.38 | 16.16 | 16.19 | 0.50 | 16.19 | 24.25 | 1.75 | 20 | 1 5/8 | 11.25 | 11.00 | 11.50 | |
| 18 | 31.00 | 4.00 | 22.25 | 18.00 | 6.00 | 7.50 | 9.00 | 3.50 | 18.18 | 18.20 | 0.50 | 18.19 | 27.00 | 2.00 | 20 | 1 7/8 | 12.75 | 12.50 | 13.25 | |
| 20 | 33.75 | 4.25 | 24.50 | 20.00 | 6.25 | 8.25 | 9.75 | 3.62 | 20.20 | 20.25 | 0.50 | 20.19 | 29.50 | 2.12 | 20 | 2 | 13.75 | 13.50 | 14.25 | |
| 24 | 41.00 | 5.50 | 29.50 | 24.00 | 8.00 | 10.50 | 11.50 | 4.00 | 24.25 | 24.25 | 0.50 | 24.19 | 35.50 | 2.62 | 20 | 2 1/2 | 17.25 | 17.00 | 18.00 | |

NOTE :

- Class 900 flanges except Lap Joint will be furnished with 0.25" (6.35mm) raised face, which is not included in 'Thickness' (C) and 'Length through Hub' (Y1), (Y3).
- For Slip-on, Threaded, Socket Welding and Lap Joint Flanges, the hubs can be shaped either vertical from base to top or tapered within the limits of 7 degrees.