## ANSI/ASME Series Flanges

| FLANGE <br> SIZE <br> INCHES | FLANGE CLASS |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | \# | Bolt | Nut | \# | Bolt | Nut | \# | Bolt | Nut | \# | Bolt | Nut | \# | Bolt Nut <br> 1500  |  | \# | Bolt | Nut |
|  |  | 150 |  |  | 300 |  |  | 600 |  |  | 900 |  |  |  |  | 2500 |  |
| 1/2" | 4 | 1/2" | 7/8" | 4 | 1/2" | 7/8" | 4 | 1/2" | 7/8" | 4 | 3/4" | 11/4" | 4 | 3/4" | 11/4" |  | 4 | 3/4" | 11/4" |
| 3/4" | 4 | 1/2" | 7/8" | 4 | 5/8" | 11/16" | 4 | 5/8" | $11 / 16^{\prime \prime}$ | 4 | 3/4" | 11/4" | 4 | 3/4" | 11/4" | 4 | 3/4" | 11/4" |
| 1" | 4 | 1/2" | 7/8" | 4 | 5/8" | $11 / 16^{\prime \prime}$ | 4 | 5/8" | 11/16" | 4 | 7/8" | 17/16" | 4 | 7/8" | 17/16" | 4 | 7/8" | 17/16" |
| 11/4" | 4 | 1/2" | 7/8" | 4 | 5/8" | 11/16" | 4 | 5/8" | $11 / 16$ " | 4 | 7/8" | $17 / 16^{\prime \prime}$ | 4 | 7/8" | 17/16" | 4 | 1" | 15/8" |
| 11/2" | 4 | 1/2" | 7/8" | 4 | 3/4" | 11/4" | 4 | 3/4" | 11/4" | 4 | $1{ }^{\prime \prime}$ | 15/8" | 4 | $1{ }^{\prime \prime}$ | 15/8" | 4 | 11/8" | 113/16" |
| 2" | 4 | 5/8" | 11/16" | 8 | 5/8" | 11/16" | 8 | 5/8" | 11/16" | 8 | 7/8" | 17/16" | 8 | 7/8" | 17/16" | 8 | $1{ }^{1 \prime}$ | 15/8" |
| 21/2" | 4 | 5/8" | 11/16" | 8 | 3/4" | 11/4" | 8 | 3/4" | 11/4" | 8 | $1{ }^{\prime \prime}$ | 15/8" | 8 | 1" | 15/8" | 8 | 11/8" | 113/16" |
| 3" | 4 | 5/8" | 11/16" | 8 | 3/4" | 11/4" | 8 | 3/4" | 11/4" | 8 | 7/8" | 17/16" | 8 | 11/8" | 113/16" | 8 | 11/4" | 2" |
| 4" | 8 | 5/8" | 11/16" | 8 | 3/4" | 11/4" | 8 | 7/8" | $17 / 16{ }^{\prime \prime}$ | 8 | 11/8" | 113/16" | 8 | 11/4" | $2{ }^{\prime \prime}$ | 8 | 11/2" | $23 / 8{ }^{\prime \prime}$ |
| 5" | 8 | 3/4" | 11/4" | 8 | 3/4" | 11/4" | 8 | $1{ }^{\prime \prime}$ | 15/8" | 8 | 11/4" | 2" | 8 | 11/2" | $23 / 8{ }^{\prime \prime}$ | 8 | 13/4" | $23 / 4$ " |
| 6" | 8 | 3/4" | 11/4" | 12 | 3/4" | 11/4" | 12 | 1" | 15/8" | 12 | 11/8" | 113/16" | 12 | 13/8" | $23 / 16^{\prime \prime}$ | 8 | 2" | $31 / 8{ }^{\prime \prime}$ |
| 8" | 8 | 3/4" | 11/4" | 12 | 7/8" | 17/16" | 12 | 11/8" | $113 / 16{ }^{\prime \prime}$ | 12 | 13/8" | $23 / 16^{\prime \prime}$ | 12 | 15/8" | $29 / 16^{\prime \prime}$ | 12 | 2" | $31 / 8{ }^{\prime \prime}$ |
| 10" | 12 | 7/8" | 17/16" | 16 | $1{ }^{\prime \prime}$ | 15/8" | 16 | 11/4" | 2" | 16 | 13/8" | $23 / 16$ " | 12 | 17/8" | $215 / 16^{\prime \prime}$ | 12 | $21 / 2^{\prime \prime}$ | $37 / 8{ }^{\prime \prime}$ |
| 12" | 12 | 7/8" | 17/16" | 16 | 11/8" | 113/16" | 20 | 11/4" | 2" | 20 | 13/8" | $23 / 16^{\prime \prime}$ | 16 | 2" | $31 / 8$ " | 12 | $23 / 4$ " | 41/4" |
| 14" | 12 | 1" | 15/8" | 20 | 11/8" | 113/16" | 20 | 13/8" | $23 / 16{ }^{\prime \prime}$ | 20 | 11/2" | $23 / 8^{\prime \prime}$ | 16 | $21 / 4{ }^{\prime \prime}$ | $31 / 2 "$ |  |  |  |
| 16" | 16 | 1" | 15/8" | 20 | 11/4" | 2" | 20 | 11/2" | $23 / 8^{\prime \prime}$ | 20 | 15/8" | $29 / 16^{\prime \prime}$ | 16 | $21 / 2^{\prime \prime}$ | $37 / 8{ }^{\prime \prime}$ |  |  |  |
| 18" | 16 | 11/8" | 113/16" | 24 | 11/4" | 2" | 20 | 15/8" | $29 / 16^{\prime \prime}$ | 20 | 17/8" | $215 / 16^{\prime \prime}$ | 16 | 23/4" | 41/4" |  |  |  |
| 20" | 20 | 11/8" | 113/16" | 24 | 11/4" | $2{ }^{\prime \prime}$ | 24 | 15/8" | $29 / 16$ " | 20 | 2" | $31 / 8{ }^{\prime \prime}$ | 16 | 3" | $45 / 8^{\prime \prime}$ |  |  |  |
| 24" | 20 | 11/4" | 2" | 24 | $11 / 2^{\prime \prime}$ | $23 / 8$ " | 24 | 17/8" | $215 / 16^{\prime \prime}$ | 20 | $21 / 2^{\prime \prime}$ | $37 / 8{ }^{\prime \prime}$ | 16 | $31 / 2^{\prime \prime}$ | $53 / 8 "$ |  |  |  |
| 26" | 24 | 11/4" | 2" | 28 | 15/8" | $29 / 16{ }^{\prime \prime}$ | 24 | 2" | $31 / 8^{\prime \prime}$ | 20 | $23 / 4$ " | 41/4" |  |  |  |  |  |  |
| 28" | 28 | 11/4" | $2{ }^{\prime \prime}$ | 28 | 15/8" | $29 / 16^{\prime \prime}$ | 28 | $2{ }^{\prime \prime}$ | $31 / 8$ " | 20 | 3" | $45 / 8{ }^{\prime \prime}$ |  |  |  |  |  |  |
| 30" | 28 | 11/4" | $2{ }^{\prime \prime}$ | 28 | $13 / 4$ " | $23 / 4$ " | 28 | 2" | $31 / 8$ " | 20 | 3" | 45/8" |  |  |  |  |  |  |
| 32" | 28 | 11/2" | $23 / 8^{\prime \prime}$ | 28 | 17/8" | $215 / 16^{\prime \prime}$ | 28 | $21 / 4$ " | $31 / 2^{\prime \prime}$ | 20 | $31 / 4$ " | 5" |  |  |  |  |  |  |
| 34" | 32 | 11/2" | $23 / 8^{\prime \prime}$ | 28 | 17/8" | $215 / 16^{\prime \prime}$ | 28 | $21 / 4$ " | $31 / 2^{\prime \prime}$ | 20 | $31 / 2^{\prime \prime}$ | $53 / 8{ }^{\prime \prime}$ |  |  |  |  |  |  |
| 36" | 32 | 11/2" | $23 / 8{ }^{\prime \prime}$ | 32 | 2" | $31 / 8{ }^{\prime \prime}$ | 28 | $21 / 2^{\prime \prime}$ | $37 / 8$ " | 20 | $31 / 2^{\prime \prime}$ | $53 / 8{ }^{\prime \prime}$ |  |  |  |  |  |  |
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