

Series 150 Flange

| Pipe Size | Wrench Size | Flange Bolts | | Raised Face | | | Flange Dia. | Bolt Circle Dia. | Bolt Hole Dia. | Ring Joint | |
|-----------|-------------|--------------|-------|-------------|---------|--------|-------------|------------------|----------------|-------------|----------|
| | | Quan | Size | Stud L'gth. | Gasket | | | | | Stud L'gth. | Ring No. |
| | | | | | I.D. | O.D. | | | | | |
| 1 | 7/8 | 4 | 1/2 | 2-1/2 | 1-5/16 | 2-5/8 | 4-1/4 | 2-3/8 | 5/8 | 3 | R15 |
| 1-1/2 | 7/8 | 4 | 1/2 | 2-3/4 | 1-29/32 | 3-3/8 | 5 | 3-7/8 | 5/8 | 3-1/4 | R19 |
| 2 | 1-1/16 | 4 | 5/8 | 3-1/4 | 2-3/8 | 4-1/8 | 6 | 4-3/4 | 3/4 | 3-3/4 | R22 |
| 3 | 1-1/16 | 4 | 5/8 | 3-1/2 | 3-1/2 | 5-3/8 | 7-1/2 | 6 | 3/4 | 4-1/4 | R29 |
| 4 | 1-1/16 | 8 | 5/8 | 3-1/2 | 4-1/2 | 6-7/8 | 9 | 7-1/2 | 3/4 | 4-1/4 | R36 |
| 6 | 1-1/4 | 8 | 3/4 | 4 | 6-5/8 | 8-3/4 | 11 | 9-1/2 | 7/8 | 4-1/2 | R43 |
| 8 | 1-1/4 | 8 | 3/4 | 4-1/4 | 8-5/8 | 11 | 13-1/2 | 11-3/4 | 7/8 | 4-3/4 | R48 |
| 10 | 1-7/16 | 12 | 7/8 | 4-3/4 | 10-3/4 | 13-3/8 | 16 | 14-1/4 | 1 | 5-1/4 | R52 |
| 12 | 1-7/16 | 12 | 7/8 | 4-3/4 | 12-3/4 | 16-1/8 | 19 | 17 | 1 | 5-1/2 | R56 |
| 14 | 1-5/8 | 12 | 1 | 5-1/4 | 14 | 17-3/4 | 21 | 18-3/4 | 1-1/8 | 6 | R59 |
| 16 | 1-5/8 | 16 | 1 | 5-1/2 | 16 | 20-1/4 | 23-1/2 | 21-1/4 | 1-1/8 | 6 | R64 |
| 18 | 1-13/16 | 16 | 1-1/8 | 6 | 18 | 21-5/8 | 25 | 22-3/4 | 1-1/4 | 6-1/2 | R68 |
| 20 | 1-13/16 | 20 | 1-1/8 | 6-1/4 | 20 | 23-7/8 | 27-1/2 | 25 29-1/2 | 1-1/4 | 7 7-3/4 | R72 |
| 24 | 2 | 20 | 1-1/4 | 7 | 24 | 28-1/4 | 32 | 1-3/8 | 1-3/8 | 3/4 | R76 |

Series 300 Flange

| Pipe Size | Wrench Size | Flange Bolts | | Raised Face | | | Flange Dia. | Bolt Circle | Bolt Hole Dia. | Ring Joint | |
|-----------|-------------|--------------|-------|-------------|---------|--------|-------------|-------------|----------------|-------------|----------|
| | | Quan | Size | Stud L'gth. | Gasket | | | | | Stud L'gth. | Ring No. |
| | | | | | I.D. | O.D. | | | | | |
| 1 | 1-1/16 | 4 | 5/8 | 3 | 1-15/16 | 2-7/8 | 4-1/4 | 3-1/2 | 3/4 | 3 | R16 |
| 1-1/2 | 1/4 | 4 | 3/4 | 3-1/2 | 1-29/32 | 3-3/4 | 5 | 4-1/2 | 7/8 | 3-1/4 | R20 |
| 2 | 1-1/16 | 8 | 5/8 | 3-1/2 | 2-3/8 | 4-3/8 | 6 | 5 | 3/4 | 3-3/4 | R23 |
| 3 | 1-1/4 | 8 | 3/4 | 4-1/4 | 3-1/2 | 5-7/8 | 7-1/2 | 6-5/8 | 7/8 | 4-1/4 | R31 |
| 4 | 1-1/4 | 8 | 3/4 | 4-1/2 | 4-1/2 | 7-1/8 | 9 | 7-7/8 | 7/8 | 4-1/4 | R37 |
| 6 | 1-1/4 | 12 | 3/4 | 4-3/4 | 6-5/8 | 9-7/8 | 11 | 10-5/8 | 7/8 | 4-1/2 | R45 |
| 8 | 1-7/16 | 12 | 7/8 | 5-1/2 | 8-5/8 | 12-1/8 | 13-1/2 | 13 | 1 | 4-3/4 | R49 |
| 10 | 1-5/8 | 16 | 1 | 6-1/4 | 10-3/4 | 14-1/4 | 16 | 15-1/4 | 1-1/8 | 5-1/4 | R53 |
| 12 | 1-13/16 | 16 | 1-1/8 | 6-3/4 | 12-3/4 | 16-5/8 | 19 | 17 3/4 | 1-1/4 | 5-1/2 | R57 |
| 14 | 1-13/16 | 20 | 1-1/8 | 7 | 14 | 19-1/8 | 21 | 20-1/4 | 1-1/4 | 6 | R61 |
| 16 | 2 | 20 | 1-1/4 | 7-1/2 | 16 | 21-1/4 | 23-1/2 | 22-1/2 | 1-3/8 | 6 | R65 |
| 18 | 2 | 24 | 1-1/4 | 7-3/4 | 18 | 23-1/2 | 25 | 24-3/4 | 1-3/8 | 6-1/2 | R69 |
| 20 | 2 2-3/8 | 24 | 1-1/4 | 8-1/4 | 20 | 25-3/4 | 27-1/2 | 27 | 1-3/8 | 7 7-3/4 | R73 |
| 24 | 3/8 | 24 | 1-1/2 | 9-1/4 | 24 | 30-1/2 | 32 | 32 | 1-5/8 | 3/4 | R77 |

Series 600 Flange

| Pipe Size | Wrench Size | Flange Bolts | | Raised Face | | | Flange Dia. | Bolt Circle | Bolt Hole Dia. | Ring Joint | |
|-----------|-------------|--------------|-------|-------------|---------|--------|-------------|-------------|----------------|-------------|----------|
| | | Quan | Size | Stud L'gth. | Gasket | | | | | Stud L'gth. | Ring No. |
| | | | | | I.D. | O.D. | | | | | |
| 1 | 1-1/16 | 4 | 5/8 | 3-1/2 | 1-5/16 | 2-7/8 | 4-7/8 | 3-1/2 | 3/4 | 3-1/2 | R16 |
| 1-1/2 | 1/4 | 4 | 3/4 | 4-1/4 | 1-29/32 | 3-3/4 | 6-1/8 | 4-1/2 | 7/8 | 4-1/4 | R20 |
| 2 | 1-1/16 | 8 | 5/8 | 4-1/4 | 2-3/8 | 4-3/8 | 6-1/2 | 5 | 3/4 | 4-1/2 | R23 |
| 3 | 1-1/4 | 8 | 3/4 | 5 | 3-1/2 | 5-7/8 | 8-1/4 | 6-5/8 | 7/8 | 5-1/4 | R31 |
| 4 | 1-7/16 | 8 | 7/8 | 5-3/4 | 4-1/2 | 7-5/8 | 10-3/4 | 8-1/2 | 1 | 6 | R37 |
| 6 | 1-5/8 | 12 | 1 | 6-3/4 | 6-5/8 | 10-1/2 | 14 | 11-1/2 | 1-1/8 | 7 | R45 |
| 8 | 1-13/16 | 12 | 1-1/8 | 7-3/4 | 8-5/8 | 12-5/8 | 16-1/2 | 13-3/4 | 1-1/4 | 8 | R49 |
| 10 | 2 | 16 | 1-1/4 | 8-1/2 | 10-3/4 | 15-3/4 | 20 | 17 | 1-3/8 | 8-3/4 | R53 |
| 12 | 2 | 20 | 1-1/4 | 8-3/4 | 12-3/4 | 18 | 22 | 19-1/4 | 1-3/8 | 9 | R57 |
| 14 | 2-3/16 | 20 | 1-3/8 | 9-1/4 | 14 | 19-3/8 | 23-3/4 | 20-3/4 | 1-1/2 | 9-1/2 | R61 |
| 16 | 3/8 | 20 | 1-1/2 | 10 | 16 | 22-1/4 | 27 | 23-3/4 | 1-5/8 | 10-1/4 | R65 |
| 18 | 2-9/16 | 20 | 1-5/8 | 10-3/4 | 18 | 24-1/8 | 29-1/4 | 25-3/4 | 1-3/4 | 11 | R69 |
| 20 | 2-9/16 | 24 | 1-5/8 | 11-1/2 | 20 | 26-7/8 | 32 | 28-1/2 | 1-3/4 | 11-3/4 | R73 |
| 24 | 2-15/16 | 24 | 1-7/8 | 13 | 24 | 31-1/8 | 37 | 33 | 2 | 13-1/2 | R77 |

Series 900 Flange

| Pipe Size | Wrench Size | Flange Bolts | | Raised Face | | | Flange Dia. | Bolt Circle | Bolt Hole Dia. | Ring Joint | |
|-----------|-------------|--------------|---------|-------------|---------|--------|-------------|-------------|----------------|-------------|----------|
| | | Quan | Size | Stud L'gth. | Gasket | | | | | Stud L'gth. | Ring No. |
| | | | | | I.D. | O.D. | | | | | |
| 1 | 1-7/16 | 4 | 7/8 | 5 | 1-5/16 | 3-1/8 | 5-7/8 | 4 | 1 | 5 | R16 |
| 1-1/2 | 5/8 | 4 | 1 | 5-1/2 | 1-29/32 | 3-7/8 | 7 | 4-7/8 | 1-1/8 | 5-1/2 | R20 |
| 2 | 1-7/16 | 8 | 7/8 | 5-3/4 | 2-3/8 | 5-1/2 | 8-1/2 | 6-1/2 | 1 | 6 | R24 |
| 3 | 1-7/16 | 8 | 7/8 | 5-3/4 | 3-1/2 | 6-1/2 | 9-1/2 | 7-1/2 | 1 | 6 | R31 |
| 4 | 1-13/16 | 8 | 1-1/8 | 6-3/4 | 4-1/2 | 8-1/2 | 11-1/2 | 9-1/4 | 1-1/4 | 7 | R37 |
| 6 | 1-13/16 | 12 | 1-1/8 | 7-3/4 | 6-5/8 | 11-3/8 | 15 | 12-1/2 | 1-1/4 | 8 | R45 |
| 8 | 2-3/16 | 12 | 1-3/8 | 8-3/4 | 8-5/8 | 14-1/2 | 18-1/2 | 15-1/2 | 1-1/2 | 9 | R49 |
| 10 | 2-3/16 | 16 | 1-3/8 | 9-1/4 | 10-3/4 | 17-1/2 | 21-1/2 | 18-1/2 | 1-1/2 | 9-1/2 | R53 |
| 12 | 2-3/16 | 20 | 1-3/8 | 10 | 12-3/4 | 19-5/8 | 24 | 21 | 1-1/2 | 10-1/4 | R57 |
| 14 | 3/8 | 20 | 1-1/2 | 10-3/4 | 14 | 20-1/2 | 25-1/4 | 22 | 1-5/8 | 11-1/4 | R62 |
| 16 | 2-9/16 | 20 | 1-5/8 | 11-1/4 | 16 | 22-5/8 | 27-3/4 | 24-1/2 | 1-3/4 | 11-3/4 | R66 |
| 18 | 2-15/16 | 20 | 1-7/8 | 13 | 18 | 25-1/8 | 31 | 27 | 2 | 13-1/2 | R70 |
| 20 | 3-1/8 | 20 | 2 2-1/2 | 13-3/4 | 20 | 27-1/2 | 33-3/4 | 29-1/2 | 2-1/8 | 14-1/2 | R74 |
| 24 | 3-7/8 | 20 | 1/2 | 17-1/4 | 24 | 33 | 41 | 35-1/2 | 2-5/8 | 18-1/4 | R78 |