

Standard Flange Gasket Size Chart

Full Face and Ring Type Flange Gasket in both Low and High Pressure Standard Sizes

ANSI B16.21 (1978) "New Standard" Gasket Dimensions

| Std Flange Size ↓ | Ring Type Flange Gaskets | | | | Full Face Flange Gaskets | | | | | | | | | |
|----------------------|--------------------------|---------|------------|---------|--------------------------|---------|-------|-----------|------------------|------------|---------|-------|-----------|------------------|
| | 125-150 LB | | 250-300 LB | | 125-150 LB | | | | | 250-300 LB | | | | |
| | OD | ID | OD | ID | OD | ID | Holes | Hole Dia. | Bolt Circle Dia. | OD | ID | Holes | Hole Dia. | Bolt Circle Dia. |
| 1/2" | 1 7/8 | 27/32 | 2 1/8 | 27/32 | 3 1/2 | 27/32 | 4 | 5/8 | 2 3/8 | 3 3/4 | 27/32 | 4 | 5/8 | 2 5/8 |
| 3/4" | 2 1/4 | 1 1/16 | 2 5/8 | 1 1/16 | 3 7/8 | 1 1/16 | 4 | 5/8 | 2 3/4 | 4 5/8 | 1 1/16 | 4 | 3/4 | 3 1/4 |
| 1" | 2 5/8 | 1 5/16 | 2 7/8 | 1 5/16 | 4 1/4 | 1 5/16 | 4 | 5/8 | 3 1/8 | 4 7/8 | 1 5/16 | 4 | 3/4 | 3 1/2 |
| 1 1/4" | 3 | 1 21/32 | 3 1/4 | 1 21/32 | 4 5/8 | 1 21/32 | 4 | 5/8 | 3 1/2 | 5 1/4 | 1 21/32 | 4 | 3/4 | 3 7/8 |
| 1 1/2" | 3 3/8 | 1 29/32 | 3 3/4 | 1 29/32 | 5 | 1 29/32 | 4 | 5/8 | 3 7/8 | 6 1/8 | 1 29/32 | 4 | 3/4 | 4 1/2 |
| 2" | 4 1/8 | 2 3/8 | 4 3/8 | 2 3/8 | 6 | 2 3/8 | 4 | 3/4 | 4 3/4 | 6 1/2 | 2 3/8 | 8 | 7/8 | 5 |
| 2 1/2" | 4 7/8 | 2 7/8 | 5 1/8 | 2 7/8 | 7 | 2 7/8 | 4 | 3/4 | 5 1/2 | 7 1/2 | 2 7/8 | 8 | 7/8 | 5 7/8 |
| 3" | 5 3/8 | 3 1/2 | 5 7/8 | 3 1/2 | 7 1/2 | 3 1/2 | 4 | 3/4 | 6 | 8 1/4 | 3 1/2 | 8 | 7/8 | 6 5/8 |
| 3 1/2" | 6 3/8 | 4 | 6 1/2 | 4 | 8 1/2 | 4 | 8 | 3/4 | 7 | 9 | 4 | 8 | 7/8 | 7 1/4 |
| 4" | 6 7/8 | 4 1/2 | 7 1/8 | 4 1/2 | 9 | 4 1/2 | 8 | 3/4 | 7 1/2 | 10 | 4 1/2 | 8 | 7/8 | 7 7/8 |
| 4 1/2" | 7 | 5 | 7 5/8 | 5 | 9 1/4 | 5 | 8 | 3/4 | 7 3/4 | 10 1/2 | 5 | 8 | 7/8 | 8 1/2 |
| 5" | 7 3/4 | 5 9/16 | 8 1/2 | 5 9/16 | 10 | 5 9/16 | 8 | 7/8 | 8 1/2 | 11 | 5 9/16 | 8 | 7/8 | 9 1/4 |
| 6" | 8 3/4 | 6 5/8 | 9 7/8 | 6 5/8 | 11 | 6 5/8 | 8 | 7/8 | 9 1/2 | 12 1/2 | 6 5/8 | 12 | 7/8 | 10 5/8 |
| 7" | 10 | 7 5/8 | 10 7/8 | 7 5/8 | 12 1/2 | 7 5/8 | 8 | 7/8 | 10 3/4 | 14 | 7 5/8 | 12 | 7/8 | 11 7/8 |
| 8" | 11 | 8 5/8 | 12 1/8 | 8 5/8 | 13 1/2 | 8 5/8 | 8 | 7/8 | 11 3/4 | 15 | 8 5/8 | 12 | 1 | 13 |
| 9" | 12 1/2 | 9 5/8 | 12 7/8 | 9 5/8 | 15 | 9 5/8 | 12 | 7/8 | 13 1/4 | 16 1/4 | 9 5/8 | 12 | 1 | 14 |
| 10" | 13 3/8 | 10 3/4 | 14 1/4 | 10 3/4 | 16 | 10 3/4 | 12 | 1 | 14 1/4 | 17 1/2 | 10 3/4 | 16 | 1 1/8 | 15 1/4 |
| 12" | 16 1/8 | 12 3/4 | 16 5/8 | 12 3/4 | 19 | 12 3/4 | 12 | 1 | 17 | 20 1/2 | 12 3/4 | 16 | 1 1/4 | 17 3/4 |
| 14" | 17 3/4 | 14 | 19 1/8 | 14 | 21 | 14 | 12 | 1 1/8 | 18 3/4 | 23 | 14 | 20 | 1 1/4 | 20 1/4 |
| 15" | 19 | 15 | | | 22 1/4 | 15 | 16 | 1 1/8 | 20 | | | | | |
| 16" | 20 1/4 | 16 | 21 1/4 | 16 | 23 1/2 | 16 | 16 | 1 1/8 | 21 1/4 | 25 1/2 | 16 | 20 | 1 3/8 | 22 1/2 |
| 18" | 21 5/8 | 18 | 23 1/2 | 18 | 25 | 18 | 16 | 1 1/4 | 22 3/4 | 28 | 18 | 24 | 1 3/8 | 24 3/4 |
| 20" | 23 3/8 | 20 | 25 3/4 | 20 | 27 1/2 | 20 | 20 | 1 1/4 | 25 | 30 1/2 | 20 | 24 | 1 3/8 | 27 |
| 22" | 26 | 22 | 27 3/4 | 22 | 29 1/2 | 22 | 20 | 1 1/4 | 27 1/4 | 33 | 22 | 24 | 1 3/8 | 29 1/4 |
| 24" | 28 1/4 | 24 | 30 1/2 | 24 | 32 | 24 | 20 | 1 3/8 | 29 1/2 | 36 | 24 | 24 | 1 5/8 | 32 |
| 26" | 30 1/2 | 26 | 32 7/8 | 26 | 34 3/4 | 26 | 24 | 1 3/8 | 31 3/4 | 38 1/4 | 26 | 28 | 1 5/8 | 34 1/2 |
| 28" | 32 3/4 | 28 | 35 3/8 | 28 | 36 1/2 | 28 | 26 | 1 3/8 | 34 | 40 3/4 | 28 | 28 | 1 5/8 | 37 |
| 30" | 34 3/4 | 30 | 37 1/2 | 30 | 38 3/4 | 30 | 28 | 1 3/8 | 36 | 43 | 30 | 28 | 1 7/8 | 39 1/4 |
| 32" | 38 | 32 | 39 5/8 | 32 | 41 3/4 | 32 | 28 | 1 5/8 | 38 1/2 | 45 1/4 | 32 | 28 | 1 7/8 | 41 1/2 |
| 34" | 39 | 34 | 41 5/8 | 34 | 43 3/4 | 34 | 32 | 1 5/8 | 40 1/2 | 47 1/2 | 34 | 28 | 1 7/8 | 43 1/2 |
| 36" | 41 1/4 | 36 | 44 | 36 | 46 | 36 | 32 | 1 5/8 | 42 3/4 | 50 | 36 | 32 | 2 1/8 | 46 |
| 38" | 43 5/8 | 38 | 46 1/8 | 38 | 48 3/4 | 38 | 36 | 1 5/8 | 45 1/4 | 52 1/4 | 38 | 32 | 2 1/8 | 48 |
| 40" | 45 5/8 | 40 | 48 3/4 | 40 | 50 3/4 | 40 | 36 | 1 5/8 | 47 1/4 | 54 1/4 | 40 | 36 | 2 1/8 | 50 1/4 |
| 42" | 48 | 42 | 50 3/4 | 42 | 53 | 42 | 36 | 1 5/8 | 49 1/2 | 57 | 42 | 36 | 2 1/8 | 52 3/4 |
| 44" | 50 1/8 | 44 | 53 | 44 | 55 1/4 | 44 | 40 | 1 5/8 | 51 3/4 | 59 1/4 | 44 | 36 | 2 1/8 | 55 |
| 46" | 52 1/8 | 46 | 55 1/4 | 46 | 57 1/4 | 46 | 40 | 1 5/8 | 53 3/4 | 61 1/2 | 46 | 40 | 2 1/8 | 57 1/4 |
| 48" | 54 1/2 | 48 | 58 3/4 | 48 | 59 1/2 | 48 | 44 | 1 5/8 | 56 | 65 | 48 | 40 | 2 1/8 | 60 3/4 |