



Pipe Outside Diameter Guide

PipeMan Products, Inc. • Innovative Plumbing Solutions

Hot Tapping • Line Stopping • Pipe Freezing • Leak Repair

Toll Free: 1-877-PIPEMAN (747-3626) • Fax: (530) 221-3700 • Web: PipeManProducts.com

Standard Pressure Pipe

| Nominal Pipe Size | 1/2 | 3/4 | 1 | 1-1/4 | 1-1/2 | 2 | 2-1/2 | 3 | 4 | 5 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 24 | 30 |
|---------------------|------|------|------|-------|-------|------|-------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| Copper | 0.63 | 0.88 | 1.13 | 1.38 | 1.63 | 2.13 | 2.63 | 3.13 | 4.13 | 5.13 | 6.13 | X | X | X | X | X | X | X | X | X |
| Steel - Schedule 40 | 0.84 | 1.05 | 1.32 | 1.66 | 1.90 | 2.38 | 2.88 | 3.50 | 4.50 | 5.56 | 6.63 | 8.63 | 10.75 | 12.75 | 14.00 | 16.00 | 18.00 | 20.00 | 24.00 | 30.00 |
| Plastic - PVC (IPS) | 0.84 | 1.05 | 1.32 | 1.66 | 1.90 | 2.38 | 2.88 | 3.50 | 4.50 | 5.56 | 6.63 | 8.63 | 10.75 | 12.75 | 14.00 | 16.00 | 18.00 | 20.00 | 24.00 | 30.00 |
| Plastic - PVC (DIP) | X | X | X | X | X | X | X | X | 4.80 | X | 6.90 | 9.05 | 11.10 | 13.20 | 15.30 | 17.40 | 19.50 | 21.60 | 25.80 | 32.00 |
| Plastic - PVC (PIP) | X | X | X | X | X | X | X | X | 4.13 | X | 6.14 | 8.16 | 10.20 | 12.24 | X | X | 18.70 | X | 24.80 | X |
| HDPE - (DIP) | X | X | X | X | X | X | X | X | 4.80 | X | 6.90 | 9.05 | 11.10 | 13.20 | 15.30 | 17.40 | 19.50 | 21.60 | 25.80 | 32.00 |
| HDPE - (IPS) | X | 1.05 | 1.32 | 1.66 | 1.90 | 2.38 | 2.88 | 3.50 | 4.50 | 5.56 | 6.63 | 8.63 | 10.75 | 12.75 | 14.00 | 16.00 | 18.00 | 20.00 | 24.00 | 30.00 |

Cast Iron Pipe

| Nominal Pipe Size | 1/2 | 3/4 | 1 | 1-1/4 | 1-1/2 | 2 | 2-1/2 | 3 | 4 | 5 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 24 | 30 |
|-------------------|-----|-----|---|-------|-------|------|-------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| Ductile Iron | X | X | X | X | X | X | X | 3.96 | 4.80 | X | 6.90 | 9.05 | 11.10 | 13.20 | 15.30 | 17.40 | 19.50 | 21.60 | 25.80 | 32.00 |
| Class 100-250 | X | X | X | X | X | X | X | 3.96 | 4.80 | X | 6.90 | 9.05 | 11.10 | 13.20 | 15.30 | 17.40 | 19.50 | 21.60 | 25.80 | 32.00 |
| Class A | X | X | X | X | X | 2.50 | X | 3.80 | 4.80 | X | 6.90 | 9.05 | 11.10 | 13.20 | 15.30 | 17.40 | 19.50 | 21.60 | 25.80 | 31.74 |
| Class B | X | X | X | X | X | X | X | 3.96 | 5.00 | X | 7.10 | 9.05 | 11.10 | 13.20 | 15.30 | 17.40 | 19.50 | 21.60 | 25.80 | 32.00 |
| Class C | X | X | X | X | X | X | X | 3.96 | 5.00 | X | 7.10 | 9.30 | 11.40 | 13.50 | 15.65 | 17.80 | 19.92 | 22.06 | 26.32 | 32.40 |
| Class D | X | X | X | X | X | X | X | 3.96 | 5.00 | X | 7.10 | 9.30 | 11.40 | 13.50 | 15.65 | 17.80 | 19.92 | 22.06 | 26.32 | 32.74 |
| Soil Pipe - Sewer | X | X | X | X | X | 2.30 | X | 3.30 | 4.30 | 5.30 | 6.30 | 8.40 | 10.50 | 12.50 | X | X | X | X | X | X |

A/C Pipe Class 100

| Nominal Pipe Size | 1/2 | 3/4 | 1 | 1-1/4 | 1-1/2 | 2 | 2-1/2 | 3 | 4 | 5 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 24 | 30 |
|------------------------|-----|-----|---|-------|-------|---|-------|------|------|---|------|------|--------|--------|-------|-------|-------|-------|-------|-------|
| Machined End | X | X | X | X | X | X | X | 3.74 | 4.64 | X | 6.91 | 9.11 | 11.24* | 13.44* | 15.07 | 17.15 | 19.90 | 22.12 | 26.48 | 33.12 |
| Fluid-Tite RB | X | X | X | X | X | X | X | 3.93 | 5.05 | X | 7.16 | 9.32 | 11.46 | 13.70 | 15.36 | 17.50 | 20.44 | 22.50 | 27.17 | X |
| Flintite RB | X | X | X | X | X | X | X | 3.94 | 4.90 | X | 7.13 | 9.93 | 11.30 | 13.42 | 15.45 | 17.60 | X | X | X | X |
| Ring-Tite RB | X | X | X | X | X | X | X | 3.95 | 4.92 | X | 7.19 | 9.39 | 11.47 | 13.74 | 15.51 | 17.65 | 20.44 | 22.68 | 27.12 | 33.80 |
| Permafex RB | X | X | X | X | X | X | X | X | 4.84 | X | 7.15 | 9.35 | 11.47 | 13.74 | 15.55 | 17.55 | 20.50 | 22.70 | 27.15 | X |
| Minimum Standard RB | X | X | X | X | X | X | X | X | 4.79 | X | 7.05 | 9.22 | 11.25 | 13.37 | 15.36 | 17.50 | 20.44 | 22.50 | 27.17 | X |
| Maximum Standard RB | X | X | X | X | X | X | X | X | 5.26 | X | 7.40 | 9.57 | 11.77 | 14.04 | 15.80 | 17.97 | 20.44 | 22.50 | 27.17 | X |
| Simplex - Machined End | X | X | X | X | X | X | X | 3.70 | 4.70 | X | 6.76 | 8.88 | 11.18 | 13.36 | 15.56 | 17.76 | X | X | X | X |
| Simplex - Minimum RB | X | X | X | X | X | X | X | 3.95 | 4.95 | X | 7.01 | 9.13 | 11.43 | 13.61 | 15.94 | 18.14 | X | X | X | X |

*Flintite Machined End is 10.89 for 10" and 12.99 for 12" sizes.

A/C Pipe Class 150

| Nominal Pipe Size | 1/2 | 3/4 | 1 | 1-1/4 | 1-1/2 | 2 | 2-1/2 | 3 | 4 | 5 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 24 | 30 |
|------------------------|-----|-----|---|-------|-------|---|-------|------|------|---|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| Machined End | X | X | X | X | X | X | X | 3.84 | 4.81 | X | 6.91 | 9.11 | 11.66 | 13.92 | 16.22 | 18.46 | 20.94 | 23.28 | 27.96 | 35.00 |
| Fluid-Tite RB | X | X | X | X | X | X | X | 4.03 | 5.14 | X | 7.12 | 9.32 | 11.85 | 14.11 | 16.41 | 18.65 | 21.20 | 23.54 | 28.22 | X |
| Flintite RB | X | X | X | X | X | X | X | 4.04 | 5.01 | X | 7.13 | 9.33 | 11.88 | 14.14 | 16.48 | 18.72 | X | X | X | X |
| Ring-Tite RB | X | X | X | X | X | X | X | 4.13 | 5.07 | X | 7.17 | 9.37 | 11.92 | 14.18 | 16.48 | 18.72 | 21.30 | 23.64 | 28.32 | 35.42 |
| Permafex RB | X | X | X | X | X | X | X | X | 5.00 | X | 7.20 | 9.40 | 11.92 | 14.20 | 16.50 | 18.75 | 21.30 | 23.64 | 28.32 | X |
| Minimum Standard RB | X | X | X | X | X | X | X | X | 4.97 | X | 7.07 | 9.27 | 11.82 | 14.08 | 16.38 | 18.62 | 21.20 | 23.54 | 28.22 | X |
| Maximum Standard RB | X | X | X | X | X | X | X | X | 5.32 | X | 7.37 | 9.62 | 12.12 | 14.38 | 16.73 | 18.97 | 21.20 | 23.54 | 28.22 | X |
| Simplex - Machined End | X | X | X | X | X | X | X | 3.88 | 4.85 | X | 6.95 | 9.15 | 11.70 | 13.96 | 16.26 | 18.50 | X | X | X | X |
| Simplex - Minimum RB | X | X | X | X | X | X | X | 4.13 | 5.10 | X | 7.20 | 9.40 | 11.95 | 14.21 | 16.64 | 18.88 | X | X | X | X |

A/C Pipe Class 200

| Nominal Pipe Size | 1/2 | 3/4 | 1 | 1-1/4 | 1-1/2 | 2 | 2-1/2 | 3 | 4 | 5 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 24 | 30 |
|------------------------|-----|-----|---|-------|-------|---|-------|------|------|---|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Machined End | X | X | X | X | X | X | X | 3.84 | 4.81 | X | 6.91 | 9.11 | 11.66 | 13.92 | 16.22 | 18.46 | 22.18 | 24.66 | 29.62 | 37.06 |
| Fluid-Tite RB | X | X | X | X | X | X | X | 4.18 | 5.32 | X | 7.36 | 9.46 | 11.88 | 14.11 | 16.44 | 18.74 | X | X | X | X |
| Flintite RB | X | X | X | X | X | X | X | 4.17 | 5.32 | X | 7.26 | 9.44 | 11.88 | 14.14 | 16.53 | 18.84 | 22.54 | 29.98 | 29.98 | 37.48 |
| Ring-Tite RB | X | X | X | X | X | X | X | 4.17 | 5.33 | X | 7.32 | 9.50 | 11.92 | 14.18 | 16.55 | 18.90 | 22.54 | 25.02 | 29.98 | 37.48 |
| Permafex RB | X | X | X | X | X | X | X | X | 5.32 | X | 7.26 | 9.50 | 11.95 | 14.20 | 16.55 | 18.90 | 22.54 | 25.02 | 29.98 | X |
| Minimum Standard RB | X | X | X | X | X | X | X | X | 5.22 | X | 7.26 | 9.39 | 11.77 | 14.03 | 16.44 | 18.74 | X | X | X | X |
| Maximum Standard RB | X | X | X | X | X | X | X | X | 5.57 | X | 7.60 | 9.79 | 12.12 | 14.38 | 16.88 | 19.19 | X | X | X | X |
| Simplex - Machined End | X | X | X | X | X | X | X | 4.20 | 5.20 | X | 7.50 | 9.76 | 12.20 | 14.46 | 16.88 | 19.30 | X | X | X | X |
| Simplex - Minimum RB | X | X | X | X | X | X | X | 4.45 | 5.45 | X | 7.75 | 10.01 | 12.45 | 14.72 | 17.26 | 19.68 | X | X | X | X |

This Pipe O.D. Guide is based on the latest pipe standards and information supplied by pipe manufacturers.

Due to the occasional changes and variances in outside diameters, the pipe O.D. should always be verified before ordering fittings.