



Pipe Outside Diameter Guide

| Nominal Pipe Size (Inches) | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 4 | 5 | 6 | 8 | 10 | 12 | 14 | 15 | 16 | 18 | 20 | 24 | 30 | |
|---------------------------------------|------|------|------|-------|-------|------|-------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| Copper Tubing (C.T.S.) | 0.63 | 0.88 | 1.13 | 1.38 | 1.63 | 2.13 | 2.63 | 3.13 | 4.13 | 5.13 | 6.13 | | | | | | | | | | | |
| Steel Pipe -- 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 Pipe -- (P.V.C.) -- STD. | | | 1.32 | | 1.90 | 2.38 | 2.88 | 3.50 | 4.50 | | 6.63 | 8.63 | 10.75 | 12.75 | | | | | | | | |
| Plastic Pipe -- (P.V.C.) -- C.I. Size | | | | | | | | | 4.80 | | 6.90 | 9.05 | 11.10 | 13.20 | | | | | | | | |
| PVC Sewer Pipe | | | | | | | | | 4.22 | 5.64 | 6.28 | 8.40 | 10.50 | 12.50 | | 15.30 | | 18.70 | | 24.80 | | |
| Polyethylene Pipe I.P.S.* | | 1.05 | 1.32 | 1.66 | 1.90 | 2.38 | | 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 | |
| Polyethylene Pipe D.I. Size | | | | | | | | | 4.80 | | 6.90 | 9.05 | 11.10 | 13.20 | | | 17.40 | 19.50 | 21.60 | 25.80 | | |
| Plastic Irrigation Pipe (PIP) | | | | | | | | | 4.13 | | 6.14 | 8.16 | 10.20 | 12.24 | | 15.30 | | 18.70 | | 24.80 | | |

*P.E. Tubing can be C.T.S.

Cast Iron Pipe

| Nominal Pipe Size (Inches) | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 4 | 5 | 6 | 8 | 10 | 12 | 14 | 15 | 16 | 18 | 20 | 24 | 30 | |
|---------------------------------------|-----|-----|---|-------|-------|------|-------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| Class 100-250 AWWA Centrifugally Cast | | | | | | | | 3.96 | 4.80 | | 6.90 | 9.05 | 11.10 | 13.20 | 15.30 | | 17.40 | 19.50 | 21.60 | 25.80 | 32.00 | |
| Class A AWWA Pit Cast | | | | | | 2.50 | | 3.80 | 4.80 | | 6.90 | 9.05 | 11.10 | 13.20 | 15.30 | | 17.40 | 19.50 | 21.60 | 25.80 | 31.74 | |
| Class B AWWA Pit Cast | | | | | | | | 3.96 | 5.00 | | 7.10 | 9.05 | 11.10 | 13.20 | 15.30 | | 17.40 | 19.50 | 21.60 | 25.80 | 32.00 | |
| Class C AWWA Pit Cast | | | | | | | | 3.96 | 5.00 | | 7.10 | 9.30 | 11.40 | 13.50 | 15.65 | | 17.80 | 19.92 | 22.06 | 26.32 | 32.40 | |
| Class D AWWA Pit Cast | | | | | | | | 3.96 | 5.00 | | 7.10 | 9.30 | 11.40 | 13.50 | 15.65 | | 17.80 | 19.92 | 22.06 | 26.32 | 32.74 | |
| Soil Pipe | | | | | | 2.30 | | 3.30 | 4.30 | 5.30 | 6.30 | 8.40 | 10.50 | 12.50 | | 15.62 | | | | | | |

Asbestos-Cement Pipe Class 100

| Nominal Pipe Size (Inches) | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 4 | 5 | 6 | 8 | 10 | 12 | 14 | 15 | 16 | 18 | 20 | 24 | 30 | |
|-------------------------------|-----|-----|---|-------|-------|---|-------|------|------|---|------|------|--------|--------|-------|----|-------|-------|-------|-------|-------|--|
| Machined End | | | | | | | | 3.74 | 4.64 | | 6.91 | 9.11 | 11.24* | 13.44* | 15.07 | | 17.15 | 19.90 | 22.12 | 26.48 | 33.12 | |
| Fluid-Tite Rough Barrel | | | | | | | | 3.93 | 5.05 | | 7.16 | 9.32 | 11.46 | 13.70 | 15.36 | | 17.50 | | | | | |
| Flintite Rough Barrel | | | | | | | | 3.94 | 4.90 | | 7.13 | 9.33 | 11.30 | 13.42 | 15.45 | | 17.60 | | | | | |
| Ring-Tite Rough Barrel | | | | | | | | 3.95 | 4.92 | | 7.19 | 9.39 | 11.47 | 13.74 | 15.51 | | 17.65 | 20.44 | 22.68 | 27.12 | 33.80 | |
| Permafex Rough Barrel | | | | | | | | | 4.84 | | 7.15 | 9.35 | 11.47 | 13.74 | 15.55 | | 17.55 | | | | | |
| Minimum Standard Rough Barrel | | | | | | | | | 4.79 | | 7.05 | 9.22 | 11.25 | 13.37 | 15.36 | | 17.50 | | 20.44 | 22.50 | 27.17 | |
| Maximum Standard Rough Barrel | | | | | | | | | 5.26 | | 7.40 | 9.57 | 11.77 | 14.04 | 15.80 | | 17.94 | | | | | |

Asbestos-Cement Pipe Class 150

| Nominal Pipe Size (Inches) | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 4 | 5 | 6 | 8 | 10 | 12 | 14 | 15 | 16 | 18 | 20 | 24 | 30 | |
|-------------------------------|-----|-----|---|-------|-------|---|-------|------|------|---|------|------|-------|-------|-------|----|-------|-------|-------|-------|-------|--|
| Machined End | | | | | | | | 3.84 | 4.81 | | 6.91 | 9.11 | 11.66 | 13.92 | 16.22 | | 18.46 | 20.94 | 23.28 | 27.96 | 35.00 | |
| Fluid-Tite Rough Barrel | | | | | | | | 4.03 | 5.14 | | 7.12 | 9.32 | 11.85 | 14.11 | 16.41 | | 18.65 | | | | | |
| Flintite Rough Barrel | | | | | | | | 4.04 | 5.01 | | 7.13 | 9.33 | 11.88 | 14.14 | 16.48 | | 18.72 | | | | | |
| Ring-Tite Rough Barrel | | | | | | | | 4.13 | 5.07 | | 7.17 | 9.37 | 11.92 | 14.18 | 16.48 | | 18.72 | 21.30 | 23.64 | 28.32 | 35.42 | |
| Permafex Rough Barrel | | | | | | | | | 5.00 | | 7.20 | 9.40 | 11.92 | 14.20 | 16.50 | | 18.75 | | | | | |
| Minimum Standard Rough Barrel | | | | | | | | | 4.97 | | 7.07 | 9.27 | 11.82 | 14.08 | 16.38 | | 18.62 | | 21.20 | 23.54 | 28.22 | |
| Maximum Standard Rough Barrel | | | | | | | | | 5.32 | | 7.37 | 9.62 | 12.12 | 14.38 | 16.73 | | 18.97 | | | | | |

Asbestos-Cement Pipe Class 200

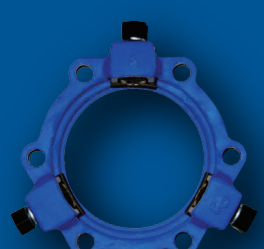
| Nominal Pipe Size (Inches) | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 4 | 5 | 6 | 8 | 10 | 12 | 14 | 15 | 16 | 18 | 20 | 24 | 30 | |
|-------------------------------|-----|-----|---|-------|-------|---|-------|------|------|---|------|------|-------|-------|-------|----|-------|-------|-------|-------|-------|--|
| Machined End | | | | | | | | 3.84 | 4.81 | | 6.91 | 9.11 | 11.66 | 13.92 | 16.22 | | 18.46 | 22.18 | 24.66 | 29.62 | 37.06 | |
| Fluid-Tite Rough Barrel | | | | | | | | 4.18 | 5.32 | | 7.36 | 9.46 | 11.88 | 14.11 | 16.44 | | 18.74 | | | | | |
| Flintite Rough Barrel | | | | | | | | 4.17 | 5.32 | | 7.26 | 9.44 | 11.88 | 14.14 | 16.53 | | 18.84 | | | | | |
| Ring-Tite Rough Barrel | | | | | | | | 4.17 | 5.33 | | 7.32 | 9.50 | 11.92 | 14.18 | 16.55 | | 18.90 | 22.54 | 25.02 | 29.98 | 37.48 | |
| Permafex Rough Barrel | | | | | | | | | 5.32 | | 7.26 | 9.50 | 11.95 | 14.20 | 16.55 | | 18.90 | | | | | |
| Minimum Standard Rough Barrel | | | | | | | | | 5.22 | | 7.26 | 9.39 | 11.77 | 14.03 | 16.44 | | 18.74 | | | | | |
| Maximum Standard Rough Barrel | | | | | | | | | 5.57 | | 7.60 | 9.79 | 12.12 | 14.38 | 16.88 | | 19.19 | | | | | |

*Flintite M.E. is 10.89 for 10" and 12.99 for 12" sizes.

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

Due to occasional changes in outside diameters by pipe manufacturers, the pipe O.D. or circumference should always be checked and furnished when ordering fittings.

To order these and other Smith-Blair products, contact your local Smith-Blair distributor.



111 Cam-Lock Joint Restraint



136 Bell-Lock Joint Restraint



226 Full-Circle Repair Clamp



315 Service Saddle



421 Top Bolt Coupling



973 Dismantling Joint

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