

PIPE

Outside Diameter Guide



IMPORTANT: This Pipe OD Guide is furnished for your convenience and is based on the latest pipe standards and information supplied by the pipe manufacturers. Due to occasional changes in outside diameters by pipe manufacturers, the pipe OD or circumference should always be checked and furnished when ordering fittings.

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 (CTS)	.63	.88	1.13	1.38	1.63	2.13	2.63	3.13	4.13	5.13	6.13										
Steel Pipe - Schedule 40	.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	28.00	20.00	24.00	30.00
Plastic Pipe (PVC) - STD			1.32		1.90	2.38	2.88	3.50	4.50		6.63	8.63	10.75	12.75							
Plastic Pipe (PVC) - CI									4.80		6.90	9.05	11.10	13.20							
Size PVC Sewer Pipe									4.22	5.64	6.28	8.40	10.50	12.50		15.30		18.70		24.80	
Polyethylene Pipe IPS*		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	20.00	30.00
Polyethylene Pipe DI 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				

*PE tubing can be CTS

CAST IRON PIPE

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-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	32.40 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

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	15.35		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				

CLASS 150

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								4.05	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				

CLASS 200

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 ME is 10.89 for 10" and 12.99 for 12" sizes.

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
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Please refer to the manufacturers data supplied at time of pipe installation or measure the pipe OD or circumference prior to the ordering of fittings. Certain types of pipe may require special preparation prior to installation of these products. Please contact Red Hed concerning any application questions.