

Pipe Outside Diameter Guide

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INDUSTRIAL																					
Nominal Pipe Size (Inches)	2	3	4	5	6	7	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36
Polyethylene 3408 (IPS Size)	2.37	3.50	4.50	5.56	6.62	7.12	8.62	10.75	12.75	14.00	16.00	18.00	20.00	22.00	24.00	26.00	28.00	30.00	32.00	34.00	36.00
WATER																					
Nominal Pipe Size (Inches)	½	¾	1	1¼	1½	2	2½	3	4	5	6	8	10	12	14	16	18	20	24	30	36
Copper Tubing	.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	6.62	8.62	10.75	12.75	14.00	16.00	18.00	20.00	24.00	30.00	36.00
Plastic Pipe - (PVC) - Std.			1.32		1.90	2.38	2.88	3.50	4.50		6.63	8.63	10.75	12.75							
Polyethylene (CTS)	.63	.88	1.13	1.38	1.63	2.13															
CAST/DUCTILE IRON PIPE																					
Nominal Pipe Size (Inches)						2		3	4		6	8	10	12	14	16	18	20	24	30	36
Class 100-250 AWWA Centrifugal								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 Class								3.96	5.00		7.10	9.30	11.40	13.50	15.65	17.80	19.92	22.06	26.32		
All Classes - Ductile Iron/C-900								3.96	4.80		6.90	9.05	11.10	13.20	15.30	17.40	19.50	21.60	25.80	32.00	38.30
HDPE 3408 - DI Pipe Size								3.96	4.80		6.90	9.05	11.10	13.20	15.30	17.40	19.50	21.60	25.80	32.00	38.30
Permastran Pipe									4.80		6.90	9.05	11.10	13.20		17.40					
ASBESTOS-CEMENT PIPE																					
Nominal Pipe Size (Inches)								3	4		6	8	10	12	14	16	18	20	24	30	36
Class 150																					
Machined End								3.84	4.81		6.91	9.11	11.66	13.92	16.22	18.46					
Ring-Tite Rough Barrel								4.13	5.07		7.17	9.37	11.92	14.18	16.48	18.72					
Minimum Standard Rough Barrel									4.97		7.07	9.27	11.82	14.08	16.38	18.62					
Maximum Standard Rough Barrel									5.32		7.37	9.62	12.12	14.38	16.73	18.97					
SEWER																					
Nominal Pipe Size (Inches)					4	5	6	8	10	12	14	15	16	18	21	24	27	30	36	42	48
AC Class 1500					4.81	5.90	6.92	9.02	11.12	13.22	15.30	16.34	17.38								
AC Class 2400					4.87	5.97	6.98	9.04	11.16	13.26	15.36	16.42	17.46	19.54	21.66	25.78					
AC Class 3300					5.03	6.15	7.14	9.22	11.36	13.50	15.46	16.66	17.72	19.82	21.88	26.10		32.34			
AC Class 4000									11.50	13.64	15.78	16.84	17.90	20.02	22.10	26.32		32.60			
AC Class 5000									11.70	13.86	16.00	17.06	18.14	20.36	22.32	26.60		32.90			
ABS-SDR 23.5 D-2751					4.21		6.27														
Armoc Truss - D-2680								9.41	11.75	14.07		17.60									
PVC SDR 35					4.21		6.27	8.40	10.50	12.50		15.30		18.70	22.05	24.80	27.95	32.00	38.30	44.50	50.80
Clay - Average					5.00		7.25	9.50	11.75	14.00		17.50		21.00		28.00					
PVC Schedule 40 ASTM D-1785					4.50		6.62	8.62	10.75	12.75											
Corrugated Polyethylene Drainage					4.72		6.95	9.16	11.31	14.45		17.65		21.10		28.30		36.10	42.25		