

	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.)	.63	.88	1.13	1.38	1.63	2.13	2.63	3.13	4.13	5.13	6.13										
Schedule 40 Steel Pipe	.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
PVC-STD			1.32		1.90	2.38	2.88	3.50	4.50		6.63	8.63	10.75	12.75							
PVC-C.I. Size									4.80		6.90	9.05	11.10	13.20							
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	24.00	30.00
Polyethylene Pipe DI Size									4.80		6.90	9.05	11.10	13.20			17.40	19.50	21.60	25.80	
Cast Iron Pipe	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								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
Class 100 Asbestos Cement Pipe	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 M.E.								3.74	4.64		6.91	9.11	10.89	12.99	15.07		17.15	19.90	22.12	26.48	33.12
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
Permaflex 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	20.44	22.50	27.17	
Class 150 Asbestos Cement Pipe	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
Permaflex 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	21.20	23.54	28.22	
Class 200 Asbestos Cement Pipe	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
Permaflex 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				
Sewer Pipe	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
A/C Sewer Class 1500									4.81		6.92	9.02	11.12	13.22	15.30	16.34	17.38				
A/C Sewer Class 2400									4.87		6.98	9.04	11.16	13.26	15.36	16.42	17.46	19.54	21.66	25.78	
A/C Sewer Class 3300									5.05		7.14	9.22	11.36	13.50	15.46	16.66	17.72	19.82	21.88	26.10	32.34
A/C Sewer Class 4000													11.50	13.64	15.78	16.84	17.90	20.02	22.10	26.32	32.60
A/C Sewer Class 5000													11.70	13.86	16.00	17.06	18.14	20.36	22.32	26.60	32.90
Asbestos Cement ACME									4.62	6.66		8.96	11.05	13.15	15.23	16.11	17.31	19.39	32.45	25.67	32.13
PVC Plastic SDR 35									4.22		6.28	8.40	10.50	12.50							
PVC Plastic SDR 41									4.22		6.28	8.16	10.20	12.24		15.30		18.70		24.80	
Cast Iron Soil Pipe (No Hub)									4.38		6.30	8.38									
Cast Iron Soil Pipe (Service Weight)									4.30		6.30	8.38	10.50	12.50							
Cast Iron Soil Pipe (Extra Heavy)									4.62		6.62	8.75	10.88	12.88							
Clay Minimum									5.00		7.19	9.25	11.50	13.75		17.19		20.65		27.5	34.38
Clay Maximum									5.38		7.56	9.75	12.00	14.31		17.81		21.44		28.50	35.63
Concrete (Average)									6.00		8.00	10.25	12.75	15.50		18.75		22.00		29.00	35.50
Irrigation Pipe	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
Asbestos Cement Irrigation Type 5									4.74		6.70	9.02	11.12	13.22							
Asbestos Cement Irrigation Type 15									4.86		6.81	9.04	11.16	13.26							
Asbestos Cement Irrigation Type 25									4.97		7.10	9.27	11.31	13.74							
Plastic Irrigation Pipe (PIP)									4.13		6.14	8.16	10.20	12.24		15.30		18.70	22.05	24.80	
Pipe Type	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
	Nominal Pipe Size (inches)																				