

Tubing Specifications

ASTM D2737, D2239, D3035

All water tubing products, EndoPoly, EndoPure, and EndoTrace, as manufactured by Infra Pipe, meet the specifications of National Sanitation Foundation (NSF) 14 & 61, American Water Works Association (AWWA) C901, Building Officials and Code Administrators (BOCA) International: National Plumbing Code.

EndoPoly, EndoPure, and EndoTrace all meet the following ASTM Standards of ASTM D2737, ASTM D2239, and ASTM 3035.

APPENDIX A1: ASTM D2737 - SPECIFICATIONS (OD CONTROLLED)

Tubing Size	Min OD (mm)	OD Tol. (mm)	SDR9 (250 PSI)	
			Min Wall (mm)	Weight per 100' (HDPE)
3/4"	22.12	+0.20	2.46	11.3
1"	28.45	+0.25	3.18	16.9
1 1/4"	34.80	+0.25	3.89	26.4
1 1/2"	41.12	+0.30	4.60	36.3
2"	53.82	+0.30	5.99	61.9

APPENDIX A2: ASTM D2239 - SPECIFICATIONS (ID CONTROLLED)

Piping Size	Min ID (mm)	OI Tol. (mm)	SIDR7 (250 PSI)		SIDR9 (200 PSI)		SIDR11.5 (160 PSI)		SIDR15 (125 PSI)	
			Min Wall (mm)	Weight per 100' (HDPE)	Min Wall (mm)	Weight per 100' (HDPE)	Min Wall (mm)	Weight per 100' (HDPE)	Min Wall (mm)	Weight per 100' (HDPE)
3/4"	20.55	+0.64	3.00	15.5	2.34	12.1	1.83	10.9	1.52	7.8
1"	26.14	+0.76	3.81	24.9	2.97	19.5	2.31	16.8	1.78	11.9
1 1/4"	34.54	+0.76	5.00	42.8	3.89	33.2	3.05	28.6	2.34	22.1
1 1/2"	40.39	+0.89	5.84	58.4	4.55	42.9	3.56	39.2	2.72	29.3
2"	51.99	+0.89	7.49	93.3	5.84	71.0	4.57	61.9	3.51	48.4

APPENDIX A3: ASTM D3035 - SPECIFICATIONS (OD CONTROLLED)

Tubing Size	Min OD (mm)	OD Tol. (mm)	SDR9 (250 PSI)		SDR13.5 (160 PSI)	
			Min Wall (mm)	Weight per 100' (HDPE)	Min Wall (mm)	Weight per 100' (HDPE)
3/4"	26.57	+0.20	2.97	15.3	1.98	11.1
1"	33.27	+0.25	3.71	23.6	2.46	16.9
1 1/4"	42.04	+0.25	4.67	37.3	3.12	26.5
1 1/2"	48.11	+0.30	5.36	49.0	3.58	34.5
2"	60.17	+0.30	6.71	76.7	4.47	53.3
3"	88.70	+0.41	9.88	166.4	6.58	115.7

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APPENDIX A1: ASTM D2737 - SPECIFICATIONS (OD CONTROLLED)

Tubing Size	Min OD (in)	OD Tol. (in)	SDR9 (250 PSI)	
			Min Wall (in)	per 100' (HDPE)
3/4"	0.871	+0.008	0.097	11.3
1"	1.120	+0.010	0.125	16.9
1 1/4"	1.370	+0.010	0.153	26.4
1 1/2"	1.619	+0.012	0.181	36.3
2"	2.119	+0.012	0.236	61.9

APPENDIX A2: ASTM D2239 - SPECIFICATIONS (ID CONTROLLED)

Piping Size	Min ID (in)	ID Tol. (in)	SIDR7 (250 PSI)		SIDR9 (200 PSI)		SIDR11.5 (160 PSI)		SIDR15 (125 PSI)	
			Min Wall (in)	per 100' (HDPE)	Min Wall (in)	per 100' (HDPE)	Min Wall (in)	100' (HDPE)	Min Wall (in)	Weight per 100' (HDPE)
3/4"	0.809	+0.025	0.118	15.5	0.092	12.1	0.072	10.9	0.060	7.8
1"	1.029	+0.030	0.150	24.9	0.117	19.5	0.091	16.8	0.070	11.9
1 1/4"	1.360	+0.030	0.197	42.8	0.153	33.2	0.120	28.6	0.092	22.1
1 1/2"	1.590	+0.035	0.230	58.4	0.179	42.9	0.140	39.2	0.107	29.3
2"	2.047	+0.035	0.295	93.3	0.230	71.0	0.180	61.9	0.138	48.4

APPENDIX A3: ASTM D3035 - SPECIFICATIONS (OD CONTROLLED)

Piping Size	Min OD (in)	OD Tol. (in)	SDR9 (250 PSI)		SDR13.5 (160 PSI)	
			Min Wall (in)	per 100' (HDPE)	Min Wall (mm)	per 100' (HDPE)
3/4"	1.046	+0.008	0.117	15.3	0.078	11.1
1"	1.310	+0.010	0.146	23.6	0.097	16.9
1 1/4"	1.655	+0.010	0.184	37.3	0.123	26.5
1 1/2"	1.894	+0.012	0.211	49.0	0.141	34.5
2"	2.369	+0.012	0.264	76.7	0.176	53.3
3"	3.492	+0.016	0.389	166.4	0.259	115.7