

Wall Type	Pipe Size	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"
Wall Type	Nom OD (in)	0.840	1.050	1.315	1.660	1.900	2.375	2.875	3.500	4.500	5.563	6.625	8.625	10.750	12.750
	OD Tolerance +/-	0.004	0.005	0.007	0.008	0.010	0.012	0.014	0.018	0.023	0.028	0.033	0.043	0.054	0.064
	Bend Radius (in) – Supported	8	10	13	17	19	24	29	39	50	61	73	155	194	230
	Bend Radius (in) – Unsupported	16	20	26	34	38	48	58	78	100	122	146	233	290	344
SDR-9	Min. Wall (in)	0.093	0.117	0.146	0.184	0.211	0.264	0.319	0.389	0.500	0.618	0.736	0.958	1.194	1.417
	Wall Tolerance +	0.020	0.020	0.020	0.022	0.025	0.032	0.038	0.047	0.060	0.074	0.088	0.115	0.143	0.170
	Avg ID (in)	0.633	0.797	1.003	1.269	1.452	1.816	2.198	2.676	3.440	4.253	5.064	6.593	8.218	9.747
	Weight (#/ft)	0.095	0.149	0.233	0.37	0.487	0.762	1.116	1.654	2.734	4.178	5.926	10.043	15.602	21.948
	Safe Working Load	525	821	1,288	2,052	2,688	4,200	6,155	9,122	15,080	23,045	32,684	55,397	86,057	121,056
SDR-11	Min. Wall (in)	0.076	0.095	0.119	0.151	0.173	0.216	0.261	0.318	0.409	0.506	0.602	0.784	0.977	1.159
	Wall Tolerance +	0.020	0.020	0.020	0.020	0.021	0.026	0.031	0.038	0.049	0.061	0.072	0.094	0.117	0.139
	Avg ID (in)	0.668	0.840	1.057	1.338	1.533	1.917	2.322	2.826	3.633	4.491	5.348	6.963	8.678	10.293
	Weight (#/ft)	0.079	0.124	0.195	0.312	0.409	0.638	0.934	1.385	2.291	3.501	4.966	8.417	13.075	18.393
	Safe Working Load	440	687	1,078	1,717	2,249	3,515	5,151	7,633	12,618	19,284	27,349	46,355	72,010	101,297
SDR-13.5	Min. Wall (in)	0.062	0.078	0.097	0.123	0.141	0.176	0.213	0.259	0.333	0.412	0.491	0.639	0.796	0.944
	Wall Tolerance +	0.020	0.020	0.020	0.020	0.020	0.021	0.026	0.031	0.040	0.049	0.059	0.077	0.096	0.113
	Avg ID (in)	0.696	0.874	1.101	1.394	1.598	2.002	2.423	2.951	3.794	4.689	5.585	7.271	9.062	10.748
	Weight (#/ft)	0.066	0.104	0.162	0.259	0.340	0.530	0.777	1.151	1.902	2.909	4.126	6.994	10.864	15.283
	Safe Working Load	365	570	894	1,425	1,867	2,917	4,274	6,335	10,472	16,004	22,697	38,470	59,762	84,067
SDR-15.5	Min. Wall (in)			0.085	0.107	0.123	0.153	0.185	0.226	0.290	0.359	0.427			
	Wall Tolerance +			0.020	0.020	0.020	0.020	0.022	0.027	0.035	0.043	0.051			
	Avg ID (in)			1.125	1.426	1.634	2.049	2.483	3.021	3.885	4.802	5.719			
	Weight (#/ft)			0.143	0.228	0.300	0.466	0.683	1.015	1.675	2.562	3.633			
	Safe Working Load			792	1,234	1,607	2,466	3,592	5,342	8,814	13,483	19,123			
SDR-17	Min. Wall (in)		0.062	0.077	0.098	0.112	0.140	0.169	0.206	0.265	0.327	0.390			
	Wall Tolerance +		0.020	0.020	0.020	0.020	0.020	0.020	0.025	0.032	0.039	0.047			
	Avg ID (in)		0.906	1.141	1.440	1.656	2.075	2.517	3.063	3.939	4.869	5.799			
	Weight (#/ft)		0.084	0.131	0.210	0.275	0.429	0.628	0.931	1.538	2.351	3.334			
	Safe Working Load		460	722	1,150	1,507	2,355	3,450	5,114	8,453	12,918	18,321			

Wall Type	Pipe Size	½"	¾"	1"	1 ¼"	1 ½"	2"	2 ½"	3"	4"	5"	6"	8"	10"	12"
	Nom OD (in)	0.840	1.050	1.315	1.660	1.900	2.375	2.875	3.500	4.500	5.563	6.625	8.625	10.750	12.750
	OD Tolerance +/-	0.004	0.005	0.007	0.008	0.010	0.012	0.014	0.018	0.023	0.028	0.033	0.043	0.054	0.064
	Bend Radius (in) – Supported	8	10	13	17	19	24	29	39	50	61	73	155	194	230
	Bend Radius (in) – Unsupported	16	20	26	34	38	48	58	78	100	122	146	233	290	344

TC-7	Min. Wall (in)	0.060	0.060	0.075	0.100	0.115	0.145	0.203	0.216	0.240	0.258	0.280			
	Wall Tolerance +	0.020	0.020	0.020	0.020	0.020	0.020	0.024	0.026	0.029	0.031	0.034			
	Avg ID (in)	0.700	0.910	1.145	1.440	1.650	2.065	2.445	3.042	3.991	5.086	6.031			
	Weight (#/ft)	0.064	0.082	0.128	0.214	0.282	0.444	0.744	0.973	1.403	1.868	2.427			
	Safe Working Load	433	552	841	1,371	1,784	2,767	4,560	5,951	8,577	11,635	15,115			

SCH 40	Min. Wall (in)	0.109	0.113	0.133	0.140	0.145	0.154	0.203	0.216	0.237	0.258	0.280	0.322	0.365	
	Wall Tolerance +	0.020	0.020	0.020	0.020	0.020	0.020	0.024	0.026	0.028	0.031	0.034	0.039	0.044	
	Avg ID (in)	0.602	0.804	1.029	1.360	1.590	2.047	2.445	3.042	3.998	5.016	6.031	7.942	9.976	
	Weight (#/ft)	0.109	0.145	0.215	0.291	0.349	0.469	0.744	0.973	1.387	1.882	2.443	3.678	5.215	
	Safe Working Load	601	798	1,340	1,604	1,919	2,579	4,090	5,348	7,618	10,320	13,395	20,158	28,580	

SCH 80	Min. Wall (in)	0.147	0.154	0.179	0.191	0.200	0.218	0.276	0.300	0.337	0.375	0.432			
	Wall Tolerance +	0.020	0.020	0.021	0.023	0.024	0.026	0.033	0.036	0.040	0.045	0.052			
	Avg ID (in)	0.526	0.722	0.936	1.255	1.476	1.913	2.290	2.864	3.786	4.768	5.709			
	Weight (#/ft)	0.139	0.188	0.277	0.383	0.465	0.644	0.982	1.315	1.923	2.668	3.669			
	Safe Working Load	768	1,040	1,533	2,116	2,564	3,545	5,409	7,238	10,578	14,669	20,172			

Notes:

- Supported bend radius for ½" through 2 ½" is 10 times the OD while the unsupported bend radius is 20 times the OD. Supported bend radius for 3" through 6" is 11 times the OD while the unsupported bend radius is 22 times the OD. Supported bend radius for 8" through 16" is 18 times the OD while the unsupported bend radius is 27 times the OD.
- During cable placement, large sweeping bends are recommended over tighter bends. Pre-formed sweeps are recommended for conduit sizes 8" through 16" diameters.
- "Safe Working Load" is calculated using a 20% safety factor with the minimum resin tensile strength of 3,000 psi, the average OD and minimum wall thickness.

Wall Type	Pipe Size	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	6"
	Nom ID (in)	0.622	0.824	1.049	1.380	1.610	2.067	2.469	3.068	4.026	6.065
	ID Tolerance +	0.010	0.010	0.010	0.010	0.015	0.015	0.015	0.015	0.015	0.020
	ID Tolerance –	0.010	0.015	0.020	0.020	0.020	0.020	0.025	0.030	0.035	0.035
	Bend Radius (in) – Supported	8	10	13	17	19	24	29	39	50	73
	Bend Radius (in) – Unsupported	16	20	26	34	38	48	58	78	100	146
SIDR-7	Min. Wall (in)	0.089	0.118	0.150	0.197	0.230	0.295				
	Wall Tolerance +	0.020	0.020	0.020	0.024	0.028	0.035				
	Avg OD (in)	0.820	1.079	1.369	1.798	2.098	2.693				
	Weight (#/ft)	0.093	0.158	0.251	0.431	0.587	0.968				
	Safe Working Load	574	980	1530	2671	3638	5980				
SIDR-9	Min. Wall (in)	0.069	0.092	0.117	0.153	0.179	0.230				
	Wall Tolerance +	0.020	0.020	0.020	0.020	0.020	0.028				
	Avg OD (in)	0.780	1.027	1.302	1.707	1.988	2.554				
	Weight (#/ft)	0.072	0.122	0.193	0.328	0.442	0.731				
	Safe Working Load	445	760	1471	1652	2734	4535				
SIDR-11.5	Min. Wall (in)	0.060	0.072	0.091	0.120	0.140	0.180	0.215	0.267	0.350	0.527
	Wall Tolerance +	0.020	0.020	0.020	0.020	0.020	0.022	0.025	0.032	0.042	0.063
	Avg OD (in)	0.762	0.987	1.251	1.640	1.910	2.448	2.924	3.634	4.768	7.183
	Weight (#/ft)	0.063	0.096	0.151	0.255	0.343	0.559	0.797	1.231	2.120	4.812
	Safe Working Load	390	597	891	1549	2123	3468	4934	7627	13119	29750
SIDR-15	Min. Wall (in)		0.060	0.070	0.092	0.107	0.138	0.165	0.205	0.268	0.404
	Wall Tolerance +		0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.032	0.048
	Avg OD (in)		0.964	1.209	1.584	1.845	2.363	2.818	3.497	4.595	6.922
	Weight (#/ft)		0.081	0.117	0.196	0.263	0.425	0.600	0.915	1.593	3.616
	Safe Working Load		503	726	1216	1625	2636	3721	5677	9844	22349
SIDR-19	Min. Wall (in)			0.060	0.073	0.085	0.109	0.130	0.161	0.212	0.319
	Wall Tolerance +			0.020	0.020	0.020	0.020	0.020	0.020	0.025	0.038
	Avg OD (in)			1.160	1.424	1.700	2.253	2.749	3.411	4.475	6.742
	Weight (#/ft)			0.099	0.134	0.188	0.323	0.474	0.722	1.241	2.815
	Safe Working Load			630	977	1303	2092	2938	4454	7647	17405