

A-D TECHNOLOGIES

Dimensional Tables for Smooth Wall ID Sized Conduit including:

Schedules 40 & 80 – DR's 9, 11, 13.5, 17 – Standard Wall

Wall Type >	SDR 9			SDR 11			SDR 13.5			SDR 17			Standard Wall			Schedule 40			Schedule 80		
	Trade Size	Avg Wall	Avg ID	Wt/Ft	Avg Wall	Avg ID	Wt/Ft	Avg Wall	Avg ID	Wt/Ft	Avg Wall	Avg ID	Wt/Ft	Avg Wall	Avg ID	Wt/Ft	Avg Wall	Avg ID	Wt/Ft	Avg Wall	Avg ID
1/2"	0.840	0.103	0.633	0.099	0.086	0.667	0.085	0.072	0.696	0.072	—	—	0.060	0.700	0.070	0.119	0.602	0.111	0.157	0.526	0.139
3/4"	1.050	0.127	0.797	0.152	0.105	0.839	0.129	0.088	0.874	0.110	0.072	0.906	0.060	0.910	0.089	0.123	0.804	0.148	0.164	0.722	0.189
1"	1.315	0.156	1.003	0.235	0.130	1.056	0.200	0.107	1.100	0.169	0.087	1.140	0.085	1.145	0.136	0.143	1.029	0.218	0.190	0.936	0.277
1-1/4"	1.660	0.196	1.269	0.372	0.161	1.338	0.313	0.133	1.394	0.264	0.108	1.445	0.110	1.440	0.222	0.150	1.360	0.294	0.202	1.255	0.383
1-1/2"	1.900	0.224	1.452	0.487	0.183	1.534	0.408	0.151	1.599	0.343	0.122	1.656	0.125	1.650	0.288	0.155	1.590	0.351	0.212	1.476	0.465
2"	2.375	0.280	1.816	0.762	0.229	1.917	0.638	0.186	2.002	0.530	0.150	2.076	0.155	2.065	0.447	0.164	2.047	0.471	0.231	1.913	0.644
2-1/2"	2.875	0.339	2.198	1.116	0.277	2.321	0.935	0.226	2.424	0.777	0.179	2.516	0.215	2.445	0.744	0.215	2.445	0.744	0.293	2.290	0.982
3"	3.500	0.412	2.676	1.654	0.337	2.825	1.386	0.275	2.950	1.152	0.218	3.064	0.229	3.042	0.973	0.229	3.042	0.973	0.318	2.864	1.315
4"	4.500	0.530	3.440	2.734	0.434	3.633	2.291	0.353	3.793	1.904	0.281	3.939	0.254	3.991	1.403	0.251	3.998	1.387	0.357	3.786	1.923
5"	5.563	0.655	4.253	4.178	0.536	4.491	3.501	0.437	4.689	2.909	0.347	4.869	0.290	4.982	1.990	0.271	5.020	1.866	0.398	4.768	2.668
6"	6.625	0.780	5.064	5.926	0.638	5.348	4.966	0.520	5.585	4.126	0.413	5.799	0.315	5.995	2.581	0.297	6.031	2.440	0.458	5.709	3.669

Dimensional Table Notes:

1. Minimum wall thickness for SDR size pipe is 0.062" +0.020", for 1/2" diameter, SDR-13.5 is at the minimum there is not SDR-17. The min/max wall thickness is ±6% or 0.010" whichever number is larger.
2. All dimensions are provided as inches, and are the average dimensions.
3. All weights are calculated by using a density of 0.955 based on TR-7 "Recommended Method for Calculation of Nominal Weight of Solid Wall Plastic Pipe," published by Plastics Pipe Institute (PPI).
4. All material and finished conduit performance testing and dimensional measurements are done in accordance with the requirements of ASTM F2160.
5. Internal or external ribs are in addition to the average wall and for determining OD and ID dimensions. The average rib height to be added is 0.020."
6. Add .016#/ft for ribbed product 1-1/2" and less. For 2" and larger, add .025#/ft.

Internally Wave-Rib® – offered exclusively by A-D Technologies to significantly reduce friction when installing cables into conduit. Less stress is placed on the cable for faster longer installations, lowering costs. The ideal choice for use with Air or Maxx-Trak cable installation systems.

Air-Trak or Maxx-Trak – Cable pushing with air assist, the latest in installation technology. Installs cables with less stress faster over longer distances. Air-Trak for fiber, mini-fiber, and mini-duct or Maxx-Trak for medium and low voltage cables. Ask to see a demo and start saving today.

Cable Con CIC – Cable in conduit is a way to reduce installation costs. Contact A-D Technologies for your next project to see if CIC is the best option.

A-D TECHNOLOGIES

Dimensional Tables for Smooth Wall ID Sized Conduit including:

SIDR's 7, 9, 11.5, 15, 19 – Wave Rib Types 9, 11, 13 – True Types 9 & 11

Trade Size	Avg ID	SIDR 7			SIDR 9			SIDR 11.5			SIDR 15			SIDR 19		
		Avg Wall	Avg OD	Wt/Ft	Avg Wall	Avg OD	Wt/Ft	Avg Wall	Avg OD	Wt/Ft	Avg Wall	Avg OD	Wt/Ft	Avg Wall	Avg OD	Wt/Ft
1/2"	0.622	0.099	0.821	0.093	0.079	0.780	0.072	0.070	0.762	0.063	—	—	—	—	—	—
3/4"	0.824	0.128	1.079	0.158	0.102	1.027	0.122	0.082	0.987	0.096	0.070	0.964	0.081	—	—	—
1"	1.049	0.160	1.369	0.251	0.127	1.302	0.193	0.101	1.251	0.151	0.080	1.209	0.117	0.070	1.160	0.099
1-1/4"	1.380	0.209	1.798	0.431	0.163	1.707	0.328	0.130	1.640	0.255	0.102	1.584	0.196	0.077	1.424	0.134
1-1/2"	1.610	0.244	2.098	0.587	0.189	1.988	0.442	0.150	1.910	0.343	0.117	1.845	0.263	0.090	1.700	0.188
2"	2.067	0.313	2.693	0.968	0.243	2.554	0.731	0.191	2.448	0.559	0.148	2.363	0.425	0.116	2.253	0.323
2-1/2"	2.469	0.374	3.217	1.381	0.291	3.051	1.043	0.228	2.924	0.797	0.175	2.818	0.600	0.140	2.749	0.474
3"	3.068	0.465	3.997	2.132	0.361	3.791	1.610	0.283	3.634	1.231	0.215	3.497	0.915	0.171	3.411	0.722
4"	4.026	0.610	5.245	3.672	0.474	4.974	2.773	0.371	4.768	2.120	0.285	4.595	1.593	0.225	4.475	1.241
6"	6.065	0.918	7.902	8.334	0.714	7.494	6.292	0.559	7.183	4.812	0.429	6.922	3.616	0.338	6.742	2.815
	Wall Type >	Wave-Rib Type-9			Wave-Rib Type-11			Wave-Rib Type-13			True Type-9			True Type-11		
1"	1.020	0.123	1.266	0.169	0.090	1.200	0.145	—	—	—	0.121	1.262	0.178	0.099	1.217	0.143
1-1/8"	1.145	0.174	1.493	0.218	0.103	1.351	0.182	—	—	—	0.149	1.568	0.218	0.120	1.511	0.218
1-1/4"	1.270	0.191	1.652	0.261	0.110	1.490	0.212	—	—	—	—	—	—	—	—	—
1-3/8"	1.395	0.211	1.817	0.316	—	—	—	—	—	—	—	—	—	—	—	—
1-1/2"	1.520	0.230	1.980	0.375	0.136	1.792	0.307	—	—	—	—	—	—	—	—	—
2"	2.020	—	—	—	—	—	—	0.155	2.330	0.440	—	—	—	—	—	—

Dimensional Table Notes:

1. Minimum wall thickness for SDR size pipe is 0.062" +0.020", for 1/2" and 3/4" minimums are reached on SIDR 11.5 and SIDR 15 respectively. The min/max wall thickness is ±6% or 0.010" whichever number is larger.
2. All dimensions are provided as inches, and are the average dimensions.
3. All weights are calculated by using a density of 0.955 based on TR-7 "Recommended Method for Calculation of Nominal Weight of Solid Wall Plastic Pipe," published by Plastics Pipe Institute (PPI).
4. All material and finished conduit performance testing and dimensional measurements are done in accordance with the requirements of ASTM F2160.
5. Internal or external ribs are in addition to the average wall and for determining OD and ID dimensions. The average rib height to be added is 0.020."
6. Add .016#/ft for ribbed product 1-1/2" and less. For 2" and larger, add .025#/ft.

NOTE: A-D Technologies has made every attempt to assure that the information contained in this product bulletin is accurate. The information supplied may change without notice. This information is intended to inform the reader of the typical characteristics of the pipe and accessories that are described and should not be considered complete with regard to design considerations. Contact a representative regarding any questions about this document and to determine if the information contained within is current.

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