PVC Pipe Sizes for Flagpoles

http://www.engineeringtoolbox.com/pvc-cpvc-pipes-dimensions-d_795.html

Schedule 40 PVC & CPVC Pipe Dimensions

Standard Pipe Size	OD Inches	Wall Inches	ID Inches	PVC LBS/100 FT	CPVC LBS/100 FT										
1/2	0.840	0.109	0.622	16	17	Will	1/2	fit inside	3/4	?	No	gap is	-0.016	Inches
3/4	1.050	0.113	0.824	21	23	Will	3/4	fit inside	1	?	No	gap is	-0.001	Inches
1	1.315	0.133	1.049	32	34	Will	1	fit inside	1.25	?	No	gap is	0.065	Inches
1.25	1.660	0.140	1.380	43	46	Will	1.25	fit inside	1.5	?	No	gap is	-0.050	Inches
1.5	1.900	0.145	1.610	51	55	Will	1.5	fit inside	2	?	YES	gap is	0.167	Inches
2	2.375	0.154	2.067	68	74	Will	2	fit inside	2.5	?	YES	gap is	0.094	Inches
2.5	2.875	0.203	2.469	107	118	Will	2.5	fit inside	3	?	YES	gap is	0.193	Inches
3	3.500	0.216	3.068	141	154	Will	3	fit inside	4	?	YES	gap is	0.526	Inches
4	4.500	0.237	4.026	201	220	Will	4	fit inside	5	?	YES	gap is	0.547	Inches
5	5.563	0.258	5.047	273	na	Will	5	fit inside	6	?	YES	gap is	0.502	Inches
6	6.625	0.280	6.065	353	386	Will	6	fit inside	8	?	YES	gap is	1.356	Inches
8	8.625	0.322	7.981	539	581	Will	8	fit inside	10	?	YES	gap is	1.395	Inches
10	10.750	0.365	10.020	755	824	Will	10	fit inside	12	?	YES	gap is	1.188	Inches
12	12.750	0.406	11.938	1001	1089	Will	12	fit inside	14	?	YES	gap is	0.374	Inches
14	14.000	0.438	13.124	1180	na	Will	14	fit inside	16	?	YES	gap is	1.000	Inches
16	16.000	0.500	15.000	1543	na									

PVC Pipe Sizes for Flagpoles

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Schedule 80 PVC & CPVC Pipe Dimensions

Standard Pipe Size	OD Inches	Wall Inches	ID Inches	PVC LBS/100 FT	CPVC LBS/100 FT										
1/2	0.840	0.147	0.546	20	22	Will	1/2	fit inside	3/4	?	No	gap is	-0.098	Inches
3/4	1.050	0.154	0.742	27	30	Will	3/4	fit inside	1	?	No	gap is	-0.093	Inches
1	1.315	0.179	0.957	41	44	Will	1	fit inside	1 1/4	?	No	gap is	-0.037	Inches
1 1/4	1.660	0.191	1.278	52	61	Will	1 1/4	fit inside	1 1/2	?	No	gap is	-0.160	Inches
1 1/2	1.900	0.200	1.500	67	74	Will	1 1/2	fit inside	2	?	No	gap is	0.039	Inches
2	2.375	0.218	1.939	95	102	Will	2	fit inside	2 1/2	?	No	gap is	-0.052	Inches
2 1/2	2.875	0.276	2.323	145	156	Will	2 1/2	fit inside	3	?	No	gap is	0.025	Inches
3	3.500	0.300	2.900	194	209	Will	3	fit inside	4	?	YES	gap is	0.326	Inches
4	4.500	0.337	3.826	275	305	Will	4	fit inside	5	?	YES	gap is	0.313	Inches
5	5.563	0.375	4.813	387	na	Will	5	fit inside	6	?	YES	gap is	0.198	Inches
6	6.625	0.432	5.761	542	582	Will	6	fit inside	8	?	YES	gap is	1.000	Inches
8	8.625	0.500	7.625	805	883	Will	8	fit inside	10	?	YES	gap is	0.939	Inches
10	10.750	0.593	9.564	1200	1309	Will	10	fit inside	12	?	YES	gap is	0.626	Inches
12	12.750	0.687	11.376	1650	180	Will	12	fit inside	14	?	No	gap is	-0.250	Inches
14	14.000	0.750	12.500	1930	na	Will	14	fit inside	16	?	YES	gap is	0.314	Inches
16	16.000	0.843	14.314	2544	na									

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PVC sewer & drain pipes - ASTM D2729 Dimensions (aka DWV Pipe)

Standard Pipe Size	OD Inches	Wall Inches	ID Inches	PVC LBS/100 FT	CPVC LBS/100 FT
3	3.250	0.069	3.181	48	na
4	4.215	0.073	4.142	66	na
6	6.275	0.093	6.182	127	na