

Pipe data calculator

OD and wall in inches. Weight = $10.69 \times (OD - t) \times t$ lb/ft (carbon steel).

NPS	OD (in)	Wall t (in)	ID (in)	Flow area (sq in)	Weight (lb/ft)	Water volume (US gal/ft)
1/8	0.405	0.068	0.269	0.057	0.24	0.003
1/4	0.54	0.088	0.364	0.104	0.43	0.005
3/8	0.675	0.091	0.493	0.191	0.57	0.01
1/2	0.84	0.109	0.622	0.304	0.85	0.016
3/4	1.05	0.113	0.824	0.533	1.13	0.028
1	1.31	0.133	1.05	0.864	1.68	0.045
1-1/4	1.66	0.14	1.38	1.5	2.27	0.078
1-1/2	1.9	0.145	1.61	2.04	2.72	0.106
2	2.38	0.154	2.07	3.36	3.66	0.174
2-1/2	2.88	0.203	2.47	4.79	5.8	0.249
3	3.5	0.216	3.07	7.39	7.58	0.384
3-1/2	4	0.226	3.55	9.89	9.12	0.514
4	4.5	0.237	4.03	12.73	10.8	0.661
5	5.56	0.258	5.05	20.01	14.63	1.04
6	6.62	0.28	6.07	28.89	18.99	1.5
8	8.62	0.322	7.98	50.03	28.58	2.6
10	10.75	0.365	10.02	78.85	40.52	4.1
12	12.75	0.406	11.94	111.93	53.57	5.81
14	14	0.438	13.12	135.28	63.5	7.03
16	16	0.5	15	176.72	82.85	9.18

Notes