



# Pipe Hanger Spacing and Weight Chart

SCHEDULE 40 STEEL PIPE DATA						
Nominal Pipe Size	Pipe O.D.	Wall Thickness	Weight of Pipe	Weight of Pipe Filled with Water	Suggested Maximum Span*	Recommended Hanger Rod Sizes
In.	In.	In.	Lbs/Ft.	Lbs.Ft.	Ft.	Sizes
3/8"	0.675	0.091	0.6	0.7	7	3/8"-16
1/2"	0.84	0.109	0.8	0.9	7	3/8"-16
3/4"	1.05	0.113	1.1	1.3	7	3/8"-16
1"	1.315	0.133	1.7	2.1	7	3/8"-16
1 1/4"	1.66	0.14	2.3	2.9	7	3/8"-16
1 1/2"	1.9	0.145	2.7	3.6	9	3/8"-16
2"	2.375	0.154	3.6	5	10	3/8"-16
2 1/2"	2.875	0.203	5.8	7.9	11	1/2"-13
3"	3.5	0.216	7.6	10.8	12	1/2"-13
3 1/2"	4	0.226	9.1	13.4	13	1/2"-13
4"	4.5	0.237	10.8	16.3	14	5/8"-11
5"	5.563	0.258	14.6	23.2	16	5/8"-11
6"	6.625	0.28	19	31.5	17	3/4"-10
8"	8.625	0.322	28.5	50.1	19	3/4"-10
10"	10.75	0.365	40.5	74.6	22	7/8"-9
12"	12.75	0.406	51.1	102.1	23	7/8"-9
14"	14	0.437	63	121.5	25	1"-8
16"	16	0.5	83	159.5	27	1"-8
18"	18	0.563	105	202.2	28	1"-8
20"	20	0.593	123	243.4	30	1 1/4"-7
24"	24	0.687	171	345.2	32	1 1/4"-7

SCHEDULE 80 STEEL PIPE DATA						
Nominal Pipe Size	Pipe O.D.	Wall Thickness	Weight of Pipe	Weight of Pipe Filled with Water	Suggested Maximum Span*	Recommended Hanger Rod Sizes
In.	In.	In.	Lbs/Ft.	Lbs.Ft.	Ft.	Sizes
3/8"	0.675	0.126	0.7	0.8	7	3/8"-16
1/2"	0.84	0.147	1.1	1.2	7	3/8"-16
3/4"	1.05	0.154	1.5	1.7	7	3/8"-16
1"	1.315	0.179	2.2	2.5	7	3/8"-16
1 1/4"	1.66	0.191	3	3.5	7	3/8"-16
1 1/2"	1.9	0.2	3.6	4.3	9	3/8"-16
2"	2.375	0.218	5	6.3	10	3/8"-16
2 1/2"	2.875	0.276	7.6	9.4	11	1/2"-13
3"	3.5	0.3	10.2	13	12	1/2"-13
3 1/2"	4	0.318	12.5	16.3	13	1/2"-13
4"	4.5	0.337	15	20	14	5/8"-11
5"	5.563	0.375	20.8	28.7	16	5/8"-11
6"	6.625	0.432	28.6	39.9	17	3/4"-10
8"	8.625	0.5	43.4	63.1	19	3/4"-10
10"	10.75	0.593	64.4	95.5	22	7/8"-9
12"	12.75	0.687	88.6	132.6	23	7/8"-9
14"	14	0.75	107	158.2	25	1"-8
16"	16	0.843	137	206.7	27	1"-8
18"	18	0.937	171	259.5	28	1"-8
20"	20	1.031	209	318.4	30	1 1/4"-7
24"	24	1.218	297	455.2	32	1 1/4"-7

Based on Mss Table 3 & 4

\* Many codes require pipe hangers to be spaced every 10 ft. regardless of size. Check local codes.

Spacing and capacities are based on water filled pipe. Closer hanger spacing may be required where additional valves and fittings increase the load.

Based on ASTM A53-86

1 Cubic Ft. of water weighs 62.41 lbs.

1 gallon (U.S.) weighs 8.335 lbs.