

TECHNICAL DATA



Steel Pipe Data SCHEDULE 10, 40 & 80

Pipe Size	Schedule No.	O.D.	Wall Thickness		Weight					
					Water		Pipe			
					lbs/ft	kg/m	lbs/ft	kg/m		
3/8	(10)	0.675	(17.15)	.066	(1.68)	0.100	(0.15)	0.4325	(0.64)	
				.091	(2.31)	0.083	(0.12)	0.567	(0.84)	
				.126	(3.20)	0.061	(0.09)	0.738	(1.10)	
1/2	(15)	0.84	(21.34)	.083	(2.11)	0.155	(0.23)	0.671	(1.00)	
				.109	(2.77)	0.132	(0.20)	0.85	(1.26)	
				.147	(3.73)	0.102	(0.15)	1.087	(1.62)	
3/4	(20)	1.05	(26.67)	.083	(2.11)	0.266	(0.40)	0.8572	(1.28)	
				.113	(2.87)	0.231	(0.34)	1.13	(1.68)	
				.154	(3.91)	0.187	(0.28)	1.473	(2.19)	
1	(25)	1.315	(33.40)	.109	(2.77)	0.410	(0.61)	1.404	(2.09)	
				.133	(3.38)	0.375	(0.56)	1.678	(2.50)	
				.179	(4.55)	0.312	(0.46)	2.171	(3.23)	
1 1/4	(32)	1.66	(42.16)	.109	(2.77)	0.708	(1.05)	1.806	(2.69)	
				.14	(3.56)	0.648	(0.96)	2.272	(3.38)	
				.191	(4.85)	0.556	(0.83)	2.996	(4.46)	
1 1/2	(40)	1.9	(48.26)	.109	(2.77)	0.963	(1.43)	2.085	(3.10)	
				.145	(3.68)	0.883	(1.31)	2.717	(4.04)	
				.2	(5.08)	0.766	(1.14)	3.631	(5.40)	
2	(50)	2.375	(60.33)	.109	(2.77)	1.584	(2.36)	2.638	(3.93)	
				.154	(3.91)	1.455	(2.16)	3.652	(5.43)	
				.218	(5.54)	1.280	(1.91)	5.022	(7.47)	
2 1/2	(65)	2.875	(73.03)	.12	(3.05)	2.364	(3.52)	3.531	(5.25)	
				.203	(5.16)	2.076	(3.09)	5.79	(8.62)	
				.276	(7.01)	1.837	(2.73)	7.66	(11.40)	
3	(80)	3.5	(88.90)	.12	(3.05)	3.619	(5.39)	4.332	(6.45)	
				.216	(5.49)	3.205	(4.77)	7.57	(11.27)	
				.3	(7.62)	2.864	(4.26)	10.25	(15.25)	
3 1/2	(90)	4	(101.60)	.12	(3.05)	4.814	(7.16)	4.973	(7.40)	
				.226	(5.74)	4.286	(6.38)	9.11	(13.56)	
				.318	(8.08)	3.853	(5.73)	12.51	(18.62)	
4	(100)	4.5	(114.30)	.12	(3.05)	6.179	(9.20)	5.613	(8.35)	
				.237	(6.02)	5.519	(8.21)	10.79	(16.06)	
				.337	(8.56)	4.984	(7.42)	14.98	(22.29)	
5	(125)	5.563	(141.30)	0.134	(3.40)	9.55	(14.21)	7.77	(11.56)	
				0.258	(6.55)	8.67	(12.91)	14.62	(21.76)	
				0.375	(9.53)	7.89	(11.74)	20.78	(30.92)	
6	(150)	6.625	(168.28)	0.134	(3.40)	13.76	(20.48)	9.289	(13.82)	
				0.28	(7.11)	12.52	(18.64)	18.97	(28.23)	
				0.432	(10.97)	11.30	(16.82)	28.57	(42.52)	
8	(200)	8.625	(219.08)	0.148	(3.76)	23.62	(35.15)	13.4	(19.94)	
				0.322	(8.18)	21.69	(32.28)	28.55	(42.49)	
				0.5	(12.70)	19.80	(29.46)	43.39	(64.57)	
10	(250)	10.75	(273.05)	0.165	(4.19)	36.97	(55.02)	18.7	(27.83)	
				0.365	(9.27)	34.19	(50.87)	40.48	(60.24)	
				0.593	(15.06)	31.14	(46.35)	64.4	(95.84)	
12	(300)	12.75	(323.85)	0.18	(4.57)	52.27	(77.79)	24.2	(36.01)	
				0.406	(10.31)	48.53	(72.21)	53.6	(79.77)	
				0.687	(17.45)	44.06	(65.57)	88.6	(131.85)	
14	(350)	14	(355.60)	0.25	(6.35)	62.05	(92.35)	36.71	(54.63)	
				0.437	(11.10)	58.66	(87.30)	63	(93.75)	
				0.75	(19.05)	53.20	(79.17)	107	(159.23)	
16	(400)	16	(406.40)	0.25	(6.35)	81.80	(121.74)	42.05	(62.58)	
				0.5	(12.70)	76.61	(114.01)	83	(123.52)	
				0.843	(21.41)	69.76	(103.82)	137	(203.88)	
18	(450)	18	(457.20)	0.25	(6.35)	104.27	(155.18)	47.39	(70.52)	
				0.563	(14.30)	96.95	(144.27)	105	(156.26)	
				0.937	(23.80)	88.54	(131.77)	171	(254.48)	
20	(500)	20	(508.00)	0.25	(6.35)	129.47	(192.67)	62.73	(93.35)	
				0.593	(15.06)	120.52	(179.36)	123	(183.04)	
				1.031	(26.19)	109.56	(163.04)	209	(311.03)	
24	(600)	24	(609.60)	0.25	(6.35)	188.04	(279.83)	63.41	(94.36)	
				0.687	(17.45)	174.31	(259.40)	171	(254.48)	
				1.218	(30.94)	158.33	(235.62)	297	(441.98)	
30	(750)	20	30	(762.00)	.5	(12.70)	286.00	(425.61)	158	(235.15)
36	(900)	API	36	(914.40)	.5	(12.70)	417.00	(620.56)	190	(282.75)

Spacing of Hangers For Steel Pipe

Nominal Pipe Size	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4	5	6	8	10	12	14	16	18	20	24	
	(15)	(20)	(25)	(32)	(40)	(50)	(65)	(80)	(90)	(100)	(125)	(150)	(200)	(250)	(300)	(350)	(400)	(450)	(500)	(600)	
Max. Span	7	7	7	7	9	10	11	12	13	14	16	17	19	22	23	25	27	28	30	32	
	(2.13)	(2.13)	(2.13)	(2.13)	(2.74)	(3.05)	(3.35)	(3.66)	(3.96)	(4.27)	(4.88)	(5.18)	(5.79)	(6.71)	(7.01)	(7.62)	(8.23)	(8.53)	(9.14)	(9.75)	
Recommended Hanger Rod Size	3/8	3/8	3/8	3/8	3/8	3/8	1/2	1/2	1/2	5/8	5/8	3/4	3/4	7/8	7/8	1	1	1 1/8	1 1/4	1 1/4	
																					OR TRAPEZE

Note: Spacing and capacities are based on pipe filled with water. Additional valves and fittings increase the load and therefore closer hanger spacing is required.

*Many Codes and specifications require pipe hangers to be spaced every 10 ft (3.05m) regardless of size. Check local codes.

Unless otherwise specified, all dimensions on drawings and in charts are in inches and dimensions shown in parentheses are in millimeters.