

Pipe Pier Products & Accessories

PIPE PIER LOAD CALCULATION CHART MULTIPLE PIPE APPLICATIONS STEEL PIPE & COPPER TUBING WEIGHT PER FOOT

PIPE SIZE	Sch 40 Steel Pipe Gas Filled	Sch 40 Steel Pipe Water Filled	Sch 80 Steel Pipe Gas Filled	Sch 80 Steel Pipe Water Filled	Type L Copper Gas Filled	Type L Copper Water Filled	Type K Copper Gas Filled	Type K Copper Water Filled
1/2"	.85 lb/ft	.98 lb/ft	1.09 lb/ft	1.19 lb/ft	.29 lb/ft	.39 lb/ft	.34 lb/ft	.44 lb/ft
3/4"	1.13 lb/ft	1.36 lb/ft	1.47 lb/ft	1.66 lb/ft	.46 lb/ft	.67 lb/ft	.64 lb/ft	.83 lb/ft
1"	1.68 lb/ft	2.05 lb/ft	2.17 lb/ft	2.48 lb/ft	.66 lb/ft	1.01 lb/ft	.84 lb/ft	1.18 lb/ft
1-1/4"	2.27 lb/ft	2.92 lb/ft	3.00 lb/ft	3.56 lb/ft	.88 lb/ft	1.43 lb/ft	1.04 lb/ft	1.57 lb/ft
1-1/2"	2.72 lb/ft	3.60 lb/ft	3.63 lb/ft	4.40 lb/ft	1.14 lb/ft	1.89 lb/ft	1.36 lb/ft	2.11 lb/ft
2"	3.65 lb/ft	5.10 lb/ft	5.02 lb/ft	6.30 lb/ft	1.75 lb/ft	3.09 lb/ft	2.06 lb/ft	3.36 lb/ft
2-1/2"	5.79 lb/ft	7.86 lb/ft	7.66 lb/ft	9.49 lb/ft	2.48 lb/ft	4.54 lb/ft	2.93 lb/ft	4.93 lb/ft
3"	7.58 lb/ft	10.78 lb/ft	10.25 lb/ft	13.11 lb/ft	3.33 lb/ft	6.26 lb/ft	4.00 lb/ft	6.87 lb/ft
3-1/2"	9.11 lb/ft	13.40 lb/ft	12.51 lb/ft	16.36 lb/ft	4.29 lb/ft	8.28 lb/ft	5.12 lb/ft	9.05 lb/ft
4"	10.79 lb/ft	16.31 lb/ft	14.98 lb/ft	19.96 lb/ft	5.38 lb/ft	10.56 lb/ft	6.51 lb/ft	11.56 lb/ft
5"	14.62 lb/ft	23.29 lb/ft	20.78 lb/ft	28.66 lb/ft	7.61 lb/ft	15.70 lb/ft	9.67 lb/ft	17.53 lb/ft
6"	18.98 lb/ft	31.49 lb/ft	28.57 lb/ft	39.86 lb/ft	10.20 lb/ft	21.81 lb/ft	13.90 lb/ft	25.13 lb/ft
8"	25.55 lb/ft	47.23 lb/ft	43.40 lb/ft	63.18 lb/ft	19.30 lb/ft	39.58 lb/ft	25.90 lb/ft	45.49 lb/ft
10"	40.50 lb/ft	74.64 lb/ft	64.74 lb/ft	95.46 lb/ft	30.10 lb/ft	61.61 lb/ft	40.30 lb/ft	70.69 lb/ft
12"	53.60 lb/ft	102.03 lb/ft	88.60 lb/ft	132.55 lb/ft	40.40 lb/ft	85.89 lb/ft	57.80 lb/ft	101.36 lb/ft
14"	63.37 lb/ft	122.01 lb/ft	107.00 lb/ft	159.31 lb/ft	—	—	—	—
16"	83.00 lb/ft	159.35 lb/ft	137.00 lb/ft	206.19 lb/ft	—	—	—	—
18"	105.00 lb/ft	201.68 lb/ft	171.00 lb/ft	259.25 lb/ft	—	—	—	—
20"	123.00 lb/ft	243.38 lb/ft	209.00 lb/ft	318.38 lb/ft	—	—	—	—
24"	171.00 lb/ft	345.40 lb/ft	297.00 lb/ft	455.20 lb/ft	—	—	—	—

HOW TO USE THE CHART

APPLICATION: If you have a 3" Sch 40 Steel water filled pipe and a 2-1/2" Sch 80 Steel gas filled pipe the cumulative weight per foot would be 10.78 lb/ft + 7.66 lb/ft = 18.44 lb/ft Total Weight Per Foot

To choose the proper Pipe Pier assembly and spacing for this application simply divide the cumulative weight per foot by the maximum capacity of Pipe Pier assembly (Refer to the max. load capacity submittal sheets).

EXAMPLE #1: The Pipe Pier PP150 has a maximum capacity of 150 lbs. Per block. Therefore; 150 divided by 18.44 = 8.13. This means that if you use the PP150 the maximum allowable spacing between blocks is 8.13 ft.

EXAMPLE#2: The Pipe Pier PP300 has a maximum weight capacity of 300 lbs. Therefore 300 divided by 18.44 = 16.26 ft. spacing between blocks if you use the PP300; however, 10 ft. maximum recommended spacing is highly recommended.

MAXIMUM RECOMMENDED SPACING BETWEEN PIPE PIER BLOCKS IS 10 FEET

