

Service Weight Cast Iron Soil Pipe Data (Bell and Spigot Type)

Nominal Pipe Size In. (mm)	O.D. of Cast Iron Pipe In. (mm)	Wall Thickness In. (mm)	Weight of Pipe Lbs./Ft. (kg/m)	Weight of Pipe Filled With Water Lbs./Ft. (kg/m)
2" (50)	2.25 (57.1)	.17 (4.3)	4.0 (5.9)	5.5 (8.1)
3" (80)	3.25 (82.5)	.17 (4.3)	6.0 (8.9)	9.4 (13.9)
4" (100)	4.25 (107.9)	.18 (4.6)	8.0 (11.9)	14.2 (21.1)
5" (125)	5.25 (133.3)	.18 (4.6)	10.4 (15.5)	22.7 (33.8)
6" (150)	6.25 (158.7)	.18 (4.6)	13.0 (19.3)	26.9 (40.0)
8" (200)	8.38 (212.8)	.23 (5.8)	20.0 (29.7)	45.7 (67.9)
10" (250)	10.50 (266.7)	.28 (7.1)	29.0 (43.1)	69.6 (103.5)
12" (300)	12.50 (317.5)	.28 (7.1)	38.0 (56.5)	96.2 (143.1)
15" (380)	15.62 (396.7)	.31 (7.9)	51.0 (75.9)	147.6 (219.6)

Based on ASTM A74 - Table 2.

Extra Weight Cast Iron Soil Pipe Data (Bell and Spigot Type)

Nominal Pipe Size In. (mm)	O.D. of Cast Iron Pipe In. (mm)	Wall Thickness In. (mm)	Weight of Pipe Lbs./Ft. (kg/m)	Weight of Pipe Filled With Water Lbs./Ft. (kg/m)
2" (50)	2.38 (60.4)	.190 (4.8)	5.0 (7.2)	6.6 (9.5)
3" (80)	3.50 (88.9)	.250 (6.3)	9.0 (13.0)	12.7 (18.3)
4" (100)	4.50 (114.3)	.250 (6.3)	12.0 (17.4)	18.5 (26.8)
5" (125)	5.50 (139.7)	.250 (6.3)	15.0 (21.7)	25.2 (36.5)
6" (150)	6.50 (165.1)	.250 (6.3)	19.0 (27.5)	33.7 (48.8)
8" (200)	8.62 (218.9)	.310 (7.9)	30.0 (43.4)	56.1 (81.2)
10" (250)	10.75 (273.0)	.375 (9.5)	43.0 (62.3)	83.8 (121.4)
12" (300)	12.75 (323.8)	.375 (9.5)	54.0 (78.2)	112.8 (163.3)
15" (380)	15.88 (403.3)	.440 (11.2)	75.0 (108.6)	166.8 (241.5)

Based on ASTM A74 - Table 1.

No-Hub Cast Iron Soil Pipe Data

Nominal Pipe Size In. (mm)	O.D. of Cast Iron Pipe In. (mm)	Wall Thickness In. (mm)	Weight of Pipe Lbs./Ft. (kg/m)	Weight of Pipe Filled With Water Lbs./Ft. (kg/m)
1 1/2" (40)	1.90 (48.2)	.16 (4.0)	2.7 (4.0)	6.2 (9.2)
2" (50)	2.35 (59.7)	.16 (4.0)	3.6 (5.3)	8.6 (12.5)
3" (80)	3.35 (85.1)	.16 (4.0)	5.2 (7.7)	13.5 (20.0)
4" (100)	4.38 (111.2)	.19 (4.8)	7.4 (11.0)	20.2 (30.0)
5" (125)	5.30 (134.6)	.19 (4.8)	9.6 (14.3)	27.5 (41.0)
6" (150)	6.30 (160.0)	.19 (4.8)	11.0 (16.3)	34.0 (50.5)
8" (200)	8.38 (212.8)	.23 (5.8)	18.0 (26.8)	57.5 (85.6)

Based on Cast Iron Soil Pipe Institute Standards 301-72, Table 1.