

April 2005

Small-Diameter Sewer and Drain Pipe: 4-inch -- 15-inch

Solid-Wall Sewer Pipe -- ASTM D3034 Gasketed

Minimum Pipe Stiffness 46 psi - SDR 35

Nominal Pipe Size (inches)	Average Outside Diameter (inches)	Approximate Inside Diameter (inches)	Base Inside Diameter (inches)	Minimum Wall Thickness (inches)	Approximate Weight (lb/100ft)
4	4.215	3.96	NA	0.120	110
6	6.275	5.90	5.742	0.180	250
8	8.400	7.90	7.665	0.240	440
10	10.500	9.87	9.563	0.300	690
12	12.500	11.75	11.361	0.357	990
15	15.300	14.38	13.898	0.437	1500

Minimum Pipe Stiffness 115 psi - SDR 26

Nominal Pipe Size (inches)	Average Outside Diameter (inches)	Approximate Inside Diameter (inches)	Base Inside Diameter (inches)	Minimum Wall Thickness (inches)	Approximate Weight (lb/100ft)
4	4.215	3.87	NA	0.162	150
6	6.275	5.77	5.612	0.241	330
8	8.400	7.72	7.488	0.323	590
10	10.500	9.65	9.342	0.404	920
12	12.500	11.49	11.102	0.481	1310
15	15.300	14.06	13.575	0.588	2000

SOLID-WALL NOTES

- Ends:** All sizes have integral gasketed bells one end. Solvent-weld bells are available in 4- and 6-inch sizes.
- Lengths:** All sizes are available in 14- and 20-foot lay lengths.
- Materials:** Pipe compound meets ASTM D1784 cell class 12454 or 12364.
- Certification:** Underwriters Laboratories, Inc.®

Ultra-Rib Profile-Wall Sewer Pipe -- ASTM F794, AASHTO M304

Minimum Pipe Stiffness 46 psi

Nominal Pipe Size (inches)	Approximate Outside Diameter (inches)	Average Inside Diameter (inches)	Base Inside Diameter (inches)	ASTM Waterway Minimum Wall (inches)	Approximate Weight (lb/100ft)
8	8.80	7.890	7.665	0.060	230
10	11.00	9.859	9.563	0.070	390
12	13.10	11.730	11.361	0.085	520
15	16.07	14.361	13.898	0.105	690

PROFILE-WALL NOTES

- Ends:** All sizes have integral bells one end. The joint is gasketed, with gasket located on the spigot.
- Materials:** Pipe compound meets ASTM D1784 cell class 12364.
- Pipe Design:** Pipe is a seamless rib design meeting ASTM F794 and AASHTO M304.

GENERAL NOTES

- Testing:** PWEagle tests its sewer pipe for dimensional compliance, impact resistance, flattening, pipe stiffness, and joint integrity according to ASTM standards.
- Lengths:** All sizes are available in 14- and 20-foot lay lengths.
- Joints:** Gaskets meet ASTM F477. Joints meet ASTM D3212.
- Installation:** PWEagle sewer and storm pipe should be installed according to PWEagle's *Installation Guide for PVC Sewer Pipe*.

Large-Diameter Sewer and Drain Pipe: 18-inch -- 36-inch

Solid-Wall Sewer Pipe -- ASTM F679

Minimum Pipe Stiffness 46 psi - T2 Wall

Nominal Pipe Size (inches)	Average Outside Diameter (inches)	Approximate Inside Diameter (inches)	Base Inside Diameter (inches)	Minimum Wall Thickness (inches)	Approximate Weight (lb/100ft)
18	18.701	17.65	17.054	0.499	2100
21	22.047	20.81	20.098	0.588	2950
24	24.803	23.41	22.586	0.661	3750

SOLID-WALL NOTES

- Ends:** All sizes have integral gasketed bells one end.
Lengths: All sizes are available in 14- and 20-foot lay lengths.
Materials: Pipe compound meets ASTM D1784 cell class 12364.
Pipe Design: Pipe meets ASTM F679.

Ultra-Rib and Ultra-Corr Profile-Wall Sewer Pipe -- ASTM F794, AASHTO M304

Minimum Pipe Stiffness 46 psi

Nominal Pipe Size (inches)	Approximate Outside Diameter (inches)	Average Inside Diameter (inches)	Base Inside Diameter (inches)	ASTM Waterway Minimum Wall (inches)	Approximate Weight (lb/100ft)
18 Rib	19.46	17.608	16.976	0.130	1050
21 Rib	22.92	20.756	20.004	0.160	1450
24 Rib	25.77	23.514	22.480	0.180	2120
27 Rib	29.14	26.476	25.327	0.205	2470
30 Rib	32.38	29.498	NA	0.235	3550
24 Corr	25.58	23.480	NA	0.110	1820
27 Corr	28.86	26.460	NA	0.120	2020
30 Corr	32.15	29.480	NA	0.130	2600
36 Corr	38.74	35.490	NA	0.155	3610

PROFILE-WALL NOTES

- Ends:** All sizes have integral bells one end. The joint is gasketed, with gasket located on the spigot.
Lengths: Ultra-Corr and large-diameter Ultra-Rib pipes are available in 14-foot lay lengths.
Materials: Ultra-Rib compound meets ASTM D1784 cell class 12454 or 12364.
 Ultra-Corr compound meets ASTM D1784 cell class 12454.
Pipe Design: Ultra-Rib pipe is a seamless ribbed design meeting ASTM F794 and AASHTO M304.
 Ultra-Corr pipe is a seamless corrugated design meeting ASTM F794 and AASHTO M304.
Interior Surface: All PWEagle profile-wall pipes have a smooth interior surface.
Availability: Large-diameter profile-wall pipes are produced only at the PWEagle plant in Columbia, Missouri.

GENERAL NOTES

- Testing:** PWEagle tests its sewer pipe for dimensional compliance, impact resistance, flattening, pipe stiffness, and joint integrity according to ASTM standards.
Joints: Gaskets meet ASTM F477. Joints meet ASTM D3212.
Installation: PWEagle sewer and storm pipe should be installed according to PWEagle's *Installation Guide for PVC Sewer Pipe*.