

# GravitySewer

NON-PRESSURE-RATED PVC PIPE



DELIVERING GOOD WATER TO YOU



ASTM D3034 / F679  
 CSA B182.2  
 ASTM D1784 Cell Class 12454/12364

Gaskets: ASTM F477  
 Joints: ASTM D3212

## MARKETS



Sewer

## DESCRIPTION



### GRAVITYSEWER

#### Ring-Tite Joint

- Flexible elastomeric Rieber® locked-in gasket provides a tight seal that protects and compensates for expansion, contraction, vibration or other movements.
- Quick and easy to assemble with a simple push, there's no field mixing or application of cement.
- Meets or exceeds ASTM D3219 for joint tightness, including a 22-inch Hg vacuum and a 25-foot head pressure test.

**Nominal Laying Length:** 14/20 feet  
*(Laying length tolerances are in accordance with ASTM and CSA standards)*

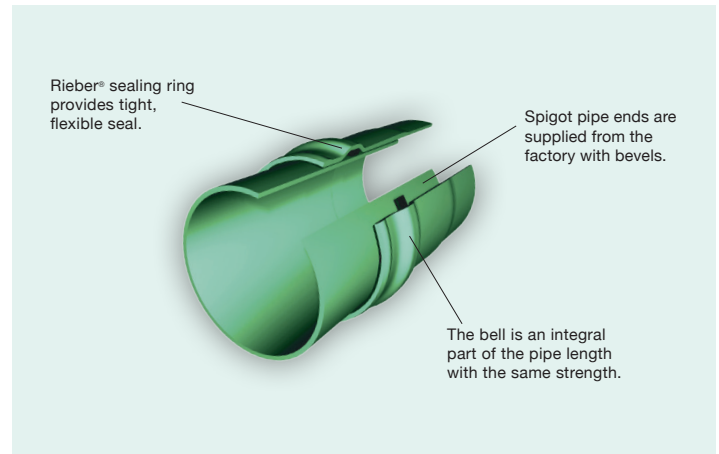
**Color:** ■ Green

### ASTM D3034 TYPE PSM SIZES:

4", 6", 8", 10", 12", 15"

### ASTM F679 SIZES:

18", 21", 24", 27", 30", 36", 42", 48"



CSA B182.2	
SDR 35	(PS 46)

ASTM D3034	
SDR 35	(PS 46)
SDR 26	(PS 115)

ASTM F679
PS 46
PS 115

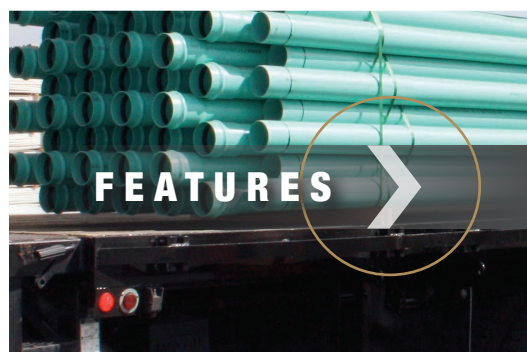
## BENEFITS



Lightweight, great for manual installation.

Field-cut with a power saw or handsaw; bevel without complicated machinery.

Does not need lining, wrapping, coating, or cathodic protection to prevent galvanic corrosion.



Unaffected by corrosive elements, sewer gas, sulfuric acid, alkaline, or acidic soils.

Resistance to abrasion, gouging and scouring.

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NON-PRESSURE RATED PVC PIPE



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## SUBMITTAL AND DATA SHEET

### ASTM D3034 TYPE PSM GRAVITY SEWER PIPE

PIPE SIZE (IN)	AVG. O.D. (IN)	NOM. I.D. (IN)	MIN. T. (IN)	AVG. E. (IN)	APX. D <sup>9</sup> (IN)	APX. WGT (LBS/FT)
SDR 35						
PIPE STIFFNESS: 46 psi						
4	4.215	3.975	0.120	3.75	4.695	1.05
6	6.275	5.915	0.180	2.37	6.995	2.36
8	8.400	7.920	0.240	5.00	9.360	4.24
10	10.500	9.900	0.300	6.25	11.700	6.64
12	12.500	11.780	0.360	6.50	13.940	9.50
15	15.300	14.426	0.437	7.50	17.048	14.19
SDR 26						
PIPE STIFFNESS: 115 psi						
4	4.215	3.891	0.162	3.75	4.863	1.40
6	6.275	5.793	0.241	2.37	7.239	3.11
8	8.400	7.754	0.323	5.00	9.692	5.63
10	10.500	9.692	0.404	6.25	12.116	8.84
12	12.500	11.538	0.481	6.50	14.424	12.56
15	15.300	14.124	0.588	7.50	17.652	18.90

#### Product Standard:

ASTM D3034 Type PSM (4"-15")

ASTM F679 (18" - 48")

CSA B182.2 (PS46, 4" - 21")

**Pipe Compound:** ASTM D1784 Cell Class 12454/12364

**Gasket:** ASTM F477

**Integral Bell Joint:** ASTM D3212

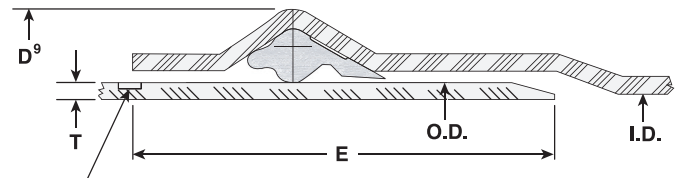
**Nominal Laying Length:** 14/20 feet

(Laying length tolerances are in accordance with ASTM and/or CSA standards.)

**Installation:** JM Eagle™ Gravity Sewer Installation Guide.  
Manning Coefficient (n) = 0.009

Hazen-Williams Coefficient (c) = 150

\*Please call prior to order regarding availability.



Assembly Mark

I.D.: Inside Diameter

O.D.: Outside Diameter

T: Minimum Wall Thickness

D<sup>9</sup>: Bell Outside Diameter

E: Distance between Assembly Mark and the end of the spigot.

### ASTM F679 GRAVITY SEWER PIPE

PIPE SIZE (IN)	AVG. O.D. (IN)	NOM. I.D. (IN)	MIN. T. (IN)	AVG. E. (IN)	APX. D <sup>9</sup> (IN)	APX. WGT (LBS/FT)
PIPE STIFFNESS: 46 psi						
18	18.701	17.564	0.536	7.37	20.845	21.43
21	22.047	20.707	0.632	8.25	24.575	29.88
24	24.803	23.295	0.711	9.12	27.647	38.96
27	27.953	26.254	0.801	10.00	31.157	49.47
30 CIOD	32.000	30.055	0.917	12.75	35.612	64.18
36 CIOD	38.300	35.972	1.098	13.87	42.816	93.00
42 CIOD	44.500	41.794	1.276	15.75	49.604	128.83
48 CIOD	50.800	47.713	1.456	16.62	56.624	168.31
PIPE STIFFNESS: 115 psi						
18	18.701	17.174	0.720	7.37	21.581	28.49
21	22.047	20.247	0.849	8.25	25.443	39.83
24	24.803	22.776	0.956	9.12	28.627	50.74
27	27.953	25.669	1.077	10.00	32.261	64.78
30 CIOD	32.000	29.386	1.233	12.75	36.348	86.55
36 CIOD	38.300	35.173	1.475	13.87	45.438	125.35
42 CIOD	44.500	40.866	1.714	15.75	51.356	171.30
48 CIOD	50.800	46.651	1.957	16.62	58.628	223.92

