



# GRAVITY SEWER

NON-PRESSURE-RATED PVC PIPE

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# Gravity Sewer

NON-PRESSURE-RATED PVC PIPE



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

**GASKETS:** ASTM F477

**JOINTS:** ASTM D3212

## MARKETS



SEWER

## DESCRIPTION



### GRAVITY SEWER

Nominal Laying Length:

**14/20 feet**

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

### ASTM D3034 TYPE PSM SIZES:

4" 6" 8" 10" 12" 15" 18"  
21" 24" 27" 30" 36" 42" 48"

### PIPE COLOR

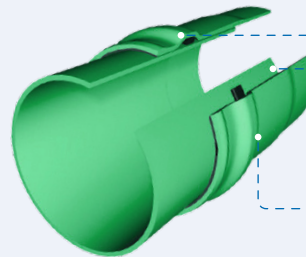
GREEN

### 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 D3212 for joint tightness, including a 22-inch Hg vacuum and a 25-foot head pressure test.



• Rieber® sealing ring provides tight, flexible seal.

• Spigot pipe ends are supplied from the factory with bevels.

• The bell is an integral part of the pipe length with the same strength

#### CSA B182.2

SDR 35 (PS 46)

SDR 26 (PS 115)

#### ASTM D3034

SDR 35 (PS 46)

SDR 26 (PS 115)

## BENEFITS

## INSTALLATION

- 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.

## FEATURES

- Unaffected by corrosive elements, sewer gas, sulfuric acid, alkaline, or acidic soils.
- Resistance to abrasion, gouging, and scouring.

### SUBMITTAL AND DATA SHEET

#### ASTM D3034 TYPE PSM GRAVITY SEWER PIPE

| PIPE SIZE<br>(IN)       | AVG. O.D.<br>(IN) | NOM. I.D.<br>(IN) | MIN. T.<br>(IN) | MIN. E <sup>1</sup><br>(IN) | APPROX.<br>D <sup>9</sup> | APPROX. WGT<br>(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                   |
| 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                  |
| 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                   |
| 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                  |

# Gravity Sewer

NON-PRESSURE-RATED PVC PIPE



## SUBMITTAL AND DATA SHEET

### PRODUCT STANDARD

ASTM D3034 Type PSM (4"-48")  
CSA B182.2 (PS46, 4" - 24")

### GASKET

ASTM F477

### INSTALLATION

JM Eagle™ Gravity Sewer  
Installation Guide.

### PIPE COMPOUND

ASTM D1784 Cell Class 12454/12364

### INTEGRAL BELL JOINT

ASTM D3212

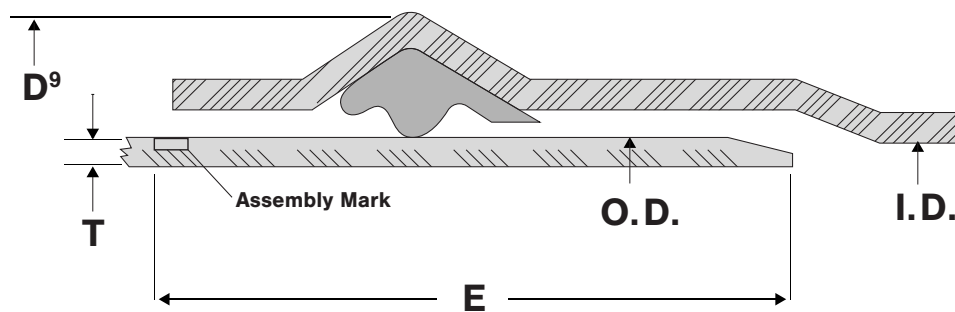
### NOMINAL LAYING LENGTH

**14/20 feet**

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

Manning Coefficient (n) = 0.009  
Hazen-Williams Coefficient (c) = 150

\*Please call regarding availability.



**I.D.** - Inside Diameter

**E** - Distance between  
Assembly Marks and  
the end of the spigot.

**T** - Minimum Wall  
Thickness

**D⁹** - Bell Outside Diameter

**O.D.** - Outside Diameter



### SUBMITTAL AND DATA SHEET

#### ASTM D3034 TYPE PSM GRAVITY SEWER PIPE

| PIPE SIZE<br>(IN)       | AVG. O.D.<br>(IN) | NOM. I.D.<br>(IN) | MIN. T.<br>(IN) | MIN. E <sub>1</sub><br>(IN) | APPROX.<br>D <sup>9</sup> | APPROX. WGT<br>(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                   |
| 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                  |
| 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                   |
| 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                  |