



Building essentials
for a better tomorrow

ULTRA RIB™ / ULTRA CORR™

MEETS MEETS AASHTO M304, ASTM F794 AND F949; GASKETS MEET ASTM F477;
JOINTS MEET ASTM D3212.

GREAT
SUBSTITUTIONS FOR
LARGE-DIAMETER
SEWER!

APPLICATIONS

JM Eagle's Ultra Corr and Ultra Rib (corrugated) pipe products are suitable sanitary sewer and storm drain applications.

DESCRIPTION

Ultra Corr sewer pipe is available in 24- to 36-inch diameters; Ultra Rib sewer pipe is available in 8- to 30-inch diameters; and Ultra Rib storm drain pipe is available in 18- to 30-inch diameters. Both Ultra Corr and Ultra Rib come in laying lengths of 14 feet.

Ultra Corr sewer pipe is tested in accordance with ASTM F949, ASTM F794 and AASHTO M304. Ultra Rib pipe for sewers and storm drains is tested in accordance with ASTM F794 and/or AASHTO M 304.

High-carrying capacity makes the use of flatter grades or smaller diameter pipe possible.

BENEFITS

Ultra Rib sewer pipe, Ultra Corr sewer pipe and Ultra Rib storm drain pipe offer increased load-bearing and system capacity at a reasonable cost.

- They are unaffected by the fluids found in ordinary domestic sewage; sewer gasses and the sulfuring acid generated by the completion of the hydrogen sulfide cycle; and corrosive soils both alkaline and acidic.
- They resist abrasion, gouging and scouring far better than most common piping materials.
- The pipes' interiors stay smooth over long years of service while maximizing system capacity, allowing for savings in pumping costs, as well as savings on the size of the pipe required.
- The light weight of the pipes reduces manpower required for installation.

Revised 11/1/2010. This information may have been updated. Please download the latest version at www.jmeagle.com/onesheets.



ULTRA RIB™ / ULTRA CORR™

SUBMITTAL AND DATA SHEET

ASTM F-794/949 PVC PROFILE WALL SEWER PIPE

ULTRA RIB™ SEWER PIPE ASTM F794 & AASHTO M304

| NOMINAL PIPE SIZE (IN) | MIN. I.D (IN) | APPROX. O.D. (IN) | APPROX. BELL O.D. (IN) | MIN. T. (IN) | APPROX. PIPE WEIGHT (LBS/100 FT) |
|------------------------|---------------|-------------------|------------------------|--------------|----------------------------------|
| 8 | 7.863 | 8.81 | 10.20 | 0.060 | 250 |
| 10 | 9.825 | 11.02 | 12.80 | 0.070 | 350 |
| 12 | 11.687 | 13.10 | 15.26 | 0.085 | 490 |
| 15 | 14.303 | 15.91 | 18.04 | 0.105 | 730 |
| 18 | 17.510 | 19.32 | 22.02 | 0.130 | 1050 |
| 21 | 20.656 | 22.92 | 26.17 | 0.160 | 1450 |
| 24 | 23.412 | 25.77 | 28.91 | 0.180 | 2120 |
| 27* | 26.371 | 29.14 | 32.85 | 0.205 | 2470 |
| 30 | 29.388 | 32.38 | 36.68 | 0.235 | 3550 |

* Check for availability.

ULTRA RIB™ STORM DRAIN PIPE AASHTO M304

| NOMINAL PIPE SIZE (IN) | MIN. I.D (IN) | APPROX. O.D.(IN) | APPROX. BELL O.D. (IN) | MIN. WATERWAY WALL (IN)* | APPROX. PIPE WEIGHT (LBS/100 FT) |
|------------------------|---------------|------------------|------------------------|--------------------------|----------------------------------|
| 18 | 17.510 | 19.32 | 22.25 | 0.085 | 884.6 |
| 21 | 20.656 | 21.73 | 26.38 | 0.100 | 1107.7 |
| 24 | 23.412 | 25.48 | 28.13 | 0.115 | 1430.8 |
| 30 | 29.388 | 32.30 | N/A | 0.135 | N/A |

Product Standard: ASTM F794
AASHTO M304

Integral Bell Joint: ASTM D3212
Pipe Length: 14 feet laying length

Pipe Compound: ASTM D1784 Cells Class 12454
Gasket: ASTM F477

Installation: JM Eagle™ Installation Guide

ULTRA CORR™ SEWER PIPE ASTM F949/F794 & AASHTO M303

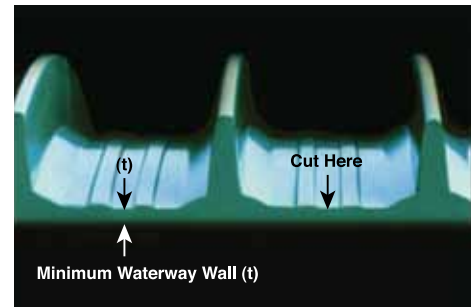
| NOMINAL PIPE SIZE (IN) | MIN. I.D (IN) | APPROX. O.D. BARREL (IN) | MIN. WALL THICKNESS | | | APPROX. WEIGHT (LBS/FT) | APPROX. BELL O.D. (IN) |
|------------------------|---------------|--------------------------|--------------------------------|--------------------------------|-------------------------------|-------------------------|------------------------|
| | | | INNER WALL t ¹ (IN) | OUTER WALL t ² (IN) | AT VALLEY t ³ (IN) | | |
| 24 | 23.412 | 25.58 | 0.110 | 0.085 | 0.123 | 18.2 | 28.7 |
| 27 | 26.371 | 28.86 | 0.120 | 0.091 | 0.137 | 20.2 | 32.5 |
| 30 | 29.388 | 32.15 | 0.130 | 0.105 | 0.147 | 26.0 | 35.8 |
| 36 | 35.370 | 38.74 | 0.150 | 0.125 | 0.171 | 36.1 | 43.4 |

Product Standard: ASTM F949/F794
AASHTO M304

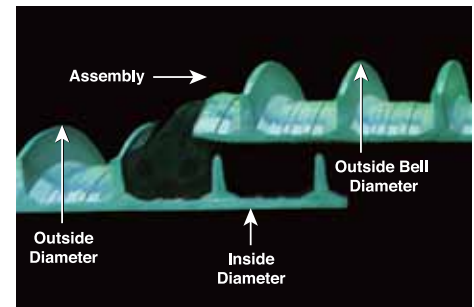
Integral Bell Joint: ASTM D3212
Pipe Stiffness: ASTM D2412 F/ΔY = 46 PSI

Pipe Compound: ASTM D1784 Cells Class 12454
Gasket: ASTM F477

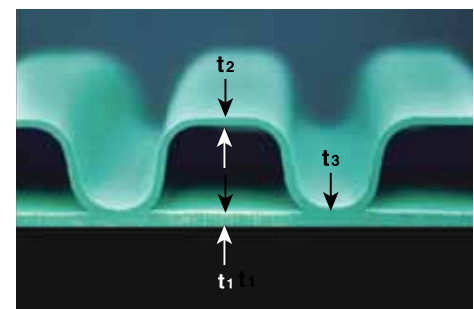
Pipe Length: 14 feet laying length
Installation: JM Eagle™ Installation Guide



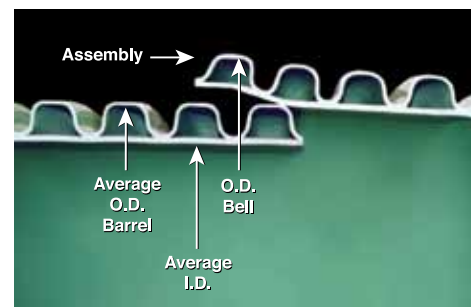
Ultra Rib



Ultra Rib



Ultra Corr



Ultra Corr

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ULTRA CORR™ / ULTRA RIB™

ASTM F-794/949 PVC PROFILE WALL SEWER PIPE

SUBMITTAL AND DATA SHEET

ULTRA RIB™ SEWER PIPE ASTM F794 & AASHTO M304

| NOMINAL PIPE SIZE (IN) | MIN. I.D (IN) | APPROX. O.D. (IN) | APPROX. BELL O.D. (IN) | MIN. T. (IN) | APPROX. PIPE WEIGHT (LBS/100 FT) |
|------------------------|---------------|-------------------|------------------------|--------------|----------------------------------|
| 8 | 7.863 | 8.81 | 10.20 | 0.060 | 250 |
| 10 | 9.825 | 11.02 | 12.80 | 0.070 | 350 |
| 12 | 11.687 | 13.10 | 15.26 | 0.085 | 490 |
| 15 | 14.303 | 15.91 | 18.04 | 0.105 | 730 |
| 18 | 17.510 | 19.32 | 22.02 | 0.130 | 1050 |
| 21 | 20.656 | 22.92 | 26.17 | 0.160 | 1450 |
| 24 | 23.412 | 25.77 | 28.91 | 0.180 | 2120 |
| 27* | 26.371 | 29.14 | 32.85 | 0.205 | 2470 |
| 30 | 29.388 | 32.38 | 36.68 | 0.235 | 3550 |

Product Standard: ASTM F794
AASHTO M304
Pipe Compound: ASTM D 1784 Cells Class 12454
Gasket: ASTM F477
Integral Bell Joint: ASTM D3212
Pipe Stiffness: ASTM D2412 F/ΔY = 46 PSI
Pipe Length: 14 feet laying length
Installation: JM Eagle™ Installation Guide

* Check for availability.

ULTRA RIB™ STORM DRAIN PIPE AASHTO M304

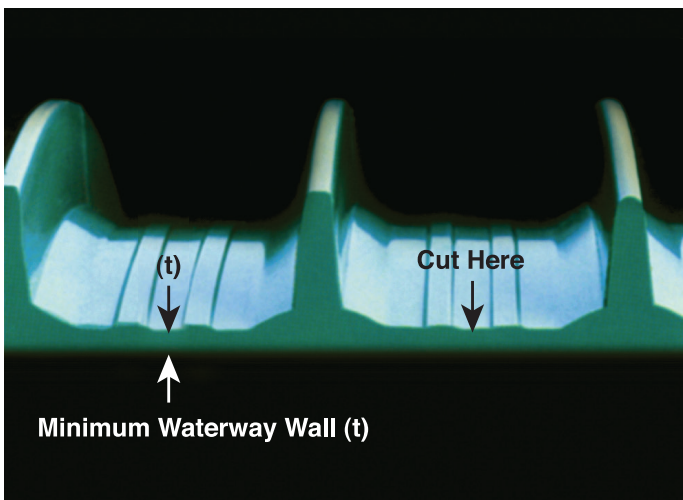
| NOMINAL PIPE SIZE (IN) | MIN. I.D (IN) | APPROX. O.D. (IN) | APPROX. BELL O.D. (IN) | MIN. WATERWAY WALL (IN)* | APPROX. PIPE WEIGHT (LBS/100 FT) |
|------------------------|---------------|-------------------|------------------------|--------------------------|----------------------------------|
| 18 | 17.510 | 19.32 | 22.25 | 0.085 | 884.6 |
| 21 | 20.656 | 21.73 | 26.38 | 0.100 | 1107.7 |
| 24 | 23.412 | 25.48 | 28.13 | 0.115 | 1430.8 |
| 30 | 29.388 | 32.30 | N/A | 0.135 | N/A |

Product Standard: ASTM F794
AASHTO M304
Pipe Compound: ASTM D1784 Cells Class 12454
Gasket: ASTM F477
Integral Bell Joint: ASTM D3212
Pipe Length: 14 feet laying length
Installation: JM Eagle™ Installation Guide

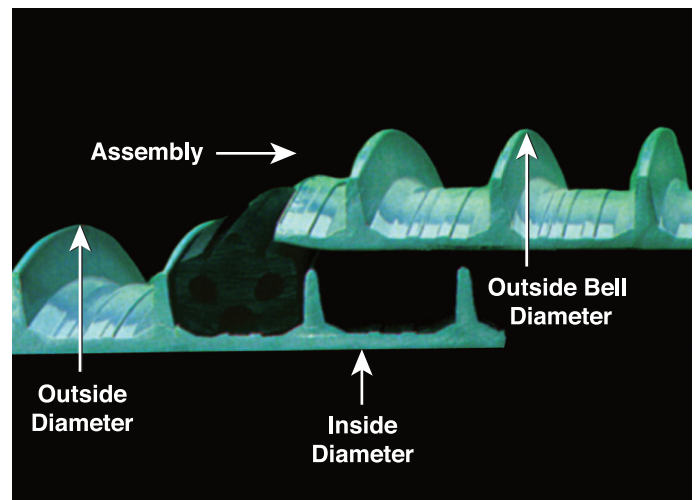
ULTRA CORR™ SEWER PIPE ASTM F949/F794 & AASHTO M303

| NOMINAL PIPE SIZE (IN) | MIN. I.D (IN) | APPROX. O.D. BARREL (IN) | MIN. WALL THICKNESS | | | APPROX. WEIGHT (LBS/FT) | APPROX. BELL O.D. (IN) |
|------------------------|---------------|--------------------------|-----------------------|-----------------------|----------------------|-------------------------|------------------------|
| | | | INNER WALL t^1 (IN) | OUTER WALL t^2 (IN) | AT VALLEY t^3 (IN) | | |
| 24 | 23.412 | 25.58 | 0.110 | 0.085 | 0.123 | 18.2 | 28.7 |
| 27 | 26.371 | 28.86 | 0.120 | 0.091 | 0.137 | 20.2 | 32.5 |
| 30 | 29.388 | 32.15 | 0.130 | 0.105 | 0.147 | 26.0 | 35.8 |
| 36 | 35.370 | 38.74 | 0.150 | 0.125 | 0.171 | 36.1 | 43.4 |

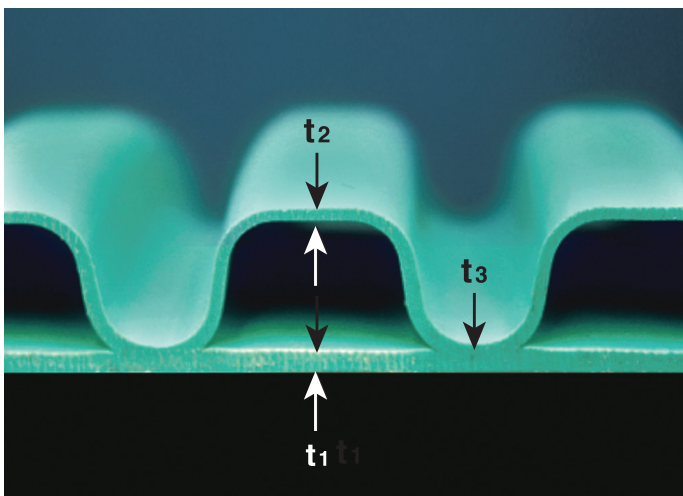
Product Standard: ASTM F949 / F794
 AASHTO M304
 Pipe Compound: ASTM D1784 Cells Class 12454
 Gasket: ASTM F477
 Integral Bell Joint: ASTM D3212
 Pipe Stiffness: ASTM D2412 F/ ΔY = 46 PSI
 Pipe Length: 14 feet laying length
 Installation: JM Eagle™ Installation Guide



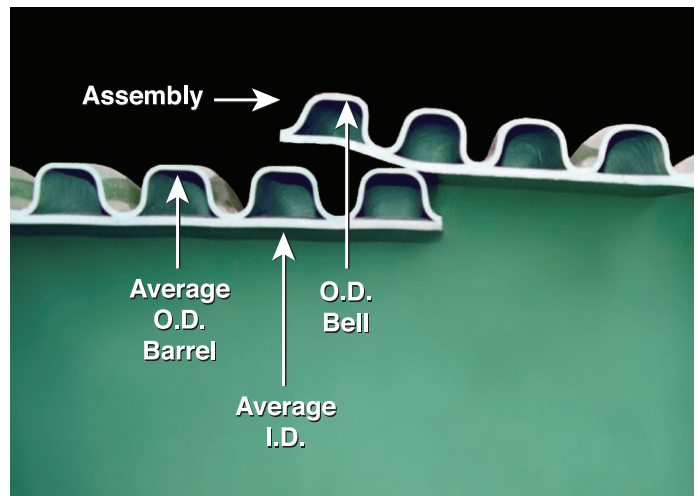
Ultra Rib



Ultra Rib



Ultra Corr



Ultra Corr