



Building essentials  
for a better tomorrow™

# IPS PRESSURE /RING-TITE

MEETS ASTM D2241, ASTM D1784 CELL CLASS 12454; GASKETS MEET ASTM F477;  
JOINTS MEET ASTM D3139.



## APPLICATIONS

JM Eagle's IPS Pressure is pipe suitable for use in rural water, and agricultural and turf irrigation pipelines, as well as gravity sewer, force main and water reclamation projects.



## DESCRIPTION

JM Eagle's IPS Pressure PVC pipe is available in 1 ½- to 12-inch diameters, in SDR 64 (63 psi), SDR 41 (100 psi), SDR 32.5 (125 psi), SDR 26 (160 psi), SDR 21 (200 psi) and SDR 17 (250 psi).

The standard laying length of IPS Pressure PVC water pipe is 20 feet. JM Eagle manufactures this pipe in blue for irrigation applications, purple for reclaimed water systems, and green for sewer force mains.

JM Eagle pipe comes with Ring-Tite joints. JM Eagle gaskets meet or exceed ASTM D3139 for joint tightness, including a 22-inch Hg vacuum for one hour, under deflection with no leakage.



## BENEFITS

**Due to its long laying lengths of 20 feet, IPS Pressure PVC water pipe reduces the cost of multiple joints and allows for more ground to be covered during installation. JM Eagle IPS Pressure pipe:**

- Maintains performance against tuberculation, corrosion and external galvanic soil conditions without lining wrapping, coating or cathodic protection.
- Can be field-cut with a power saw or handsaw, eliminating the need to invest in costly cutting equipment.
- Maintains smooth interior over long years of service with virtually no loss in carrying capacity, allowing for savings in pumping costs, as well as savings on the size of the pipe required.

Revised 11/1/2010. This information may have been updated. Please download the latest version at [www.jmeagle.com/onesheets](http://www.jmeagle.com/onesheets).



# IPS PRESSURE/RING-TITE

## SUBMITTAL AND DATA SHEET

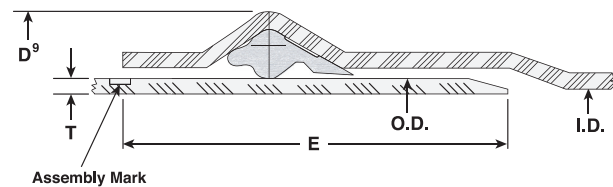
### JM EAGLE'S RING-TITE JOINT OFFERS ADDITIONAL BENEFITS.

- Seated in a deep groove, the flexible elastomeric gasket provides a tight seal that protects the line from shock, vibration and earth movement, and compensates for expansion and contraction of the pipe lengths.
- Quick and easy to assemble with a simple push, there's no field mixing or application of cement.
- The joint remains tight under normal operating conditions.

PIPE SIZE (IN)	AVERAGE O.D. (IN)	NOM. I.D. (IN)	MIN. T. (IN)	MIN. E (IN)	APPROX. D <sup>9</sup> (IN)	APPROX. WEIGHT (LBS/FT)
<b>Rated 63 psi (SDR 64)</b>						
6	6.625	6.40	0.104	5.50	7.20	1.60
8	8.625	8.33	0.135	6.25	9.30	2.40
10	10.750	10.39	0.168	6.75	11.50	3.80
12	12.750	12.32	0.199	8.00	13.80	5.30
<b>Rated 100 psi (SDR 41)*</b>						
3	3.500	3.320	0.085	4.20	3.84	—
4	4.500	4.267	0.110	4.50	4.94	1.03
5	5.563	5.27	0.136	4.65	6.10	1.60
6	6.625	6.282	0.162	5.20	7.27	2.23
8	8.625	8.180	0.210	5.90	9.47	3.75
10	10.750	10.195	0.262	6.70	11.80	5.86
12	12.750	12.091	0.311	8.10	13.99	8.28
<b>Rated 125 psi (SDR 32.5)*</b>						
1.5	1.900	1.773	0.060	3.45	2.14	—
2	2.375	2.220	0.073	3.70	2.67	—
2.5	2.875	2.688	0.088	3.95	3.23	—
3	3.500	3.271	0.108	4.20	3.93	0.77
4	4.500	4.207	0.138	4.50	5.05	1.28
5	5.563	5.200	0.171	4.65	6.25	2.00
6	6.625	6.193	0.204	5.20	7.44	2.79
8	8.625	8.063	0.265	5.90	9.69	4.70
10	10.750	10.048	0.331	6.70	12.07	7.35
12	12.750	11.919	0.392	8.10	14.32	10.36
<b>Rated 160 psi (SDR 26)* (G) (P)</b>						
1.5	1.900	1.745	0.073	3.45	2.19	0.28
2	2.375	2.182	0.091	3.70	2.74	0.44
2.5	2.875	2.642	0.110	3.50	3.32	0.64
3	3.500	3.214	0.135	4.10	4.04	0.95
4	4.500	4.133	0.173	4.50	5.19	1.58
5	5.563	5.109	0.214	4.65	6.42	2.40
6	6.625	6.084	0.255	5.20	7.65	3.44
8	8.625	7.921	0.332	5.90	9.95	5.85
10	10.750	9.874	0.413	6.70	12.40	9.12
12	12.750	11.711	0.490	8.10	14.71	12.89

PIPE SIZE (IN)	AVERAGE O.D. (IN)	NOM. I.D. (IN)	MIN. T. (IN)	MIN. E (IN)	APPROX. D <sup>9</sup> (IN)	APPROX. WEIGHT (LBS/FT)
<b>Rated 200 psi (SDR 21)* (G) (P)</b>						
1.5	1.900	1.709	0.090	3.45	2.26	0.44
2	2.375	2.135	0.113	3.70	2.83	0.54
2.5	2.875	2.585	0.137	3.95	3.42	0.79
3	3.500	3.146	0.167	4.20	4.17	1.17
4	4.500	4.046	0.214	4.50	5.36	1.93
6	6.625	5.955	0.316	5.20	7.89	4.23
8	8.625	7.754	0.410	5.90	10.27	7.18
10	10.750	9.667	0.511	6.70	12.79	11.20
12	12.750	11.465	0.606	8.10	15.17	15.82
<b>Rated 250 psi (SDR 17)* (G) (P)</b>						
1.5	1.900	1.641	0.112	3.45	2.39	0.58
2	2.375	2.078	0.140	3.70	2.94	0.66
2.5	2.875	2.517	0.169	3.95	3.55	—
3	3.500	3.063	0.206	4.20	4.32	1.42
4	4.500	3.938	0.265	4.50	5.56	2.36
6	6.625	5.803	0.390	5.20	8.19	5.11
8	8.625	7.553	0.508	5.90	10.66	8.69
10	10.750	9.410	0.632	6.70	13.28	13.55
12	12.750	11.160	0.750	8.10	15.75	19.20

\* Prior to ordering or specifying, consult JM Eagle™ for product and/or listing availability.  
 (G) Green pipe available in sizes 4"–12"  
 (P) Purple pipe available in sizes 2"–12"



Product Standard: ASTM D2241  
 Pipe Compound: ASTM D1784 Cells Class 12454  
 Gasket: ASTM F477  
 Integral Bell Joint: ASTM D3139  
 Certifications: ANSI/NSF Standard 61  
 Pipe Length: 20 feet laying length  
 Installation: JM Eagle™ Installation Guide

I.D. : Inside Diameter  
 O.D. : Outside Diameter  
 T : Wall Thickness  
 D<sup>9</sup> : Bell Outside Diameter  
 E : Distance between Assembly Mark to the end of spigot.

# IPS PRESSURE

## SUBMITTAL AND DATA SHEET

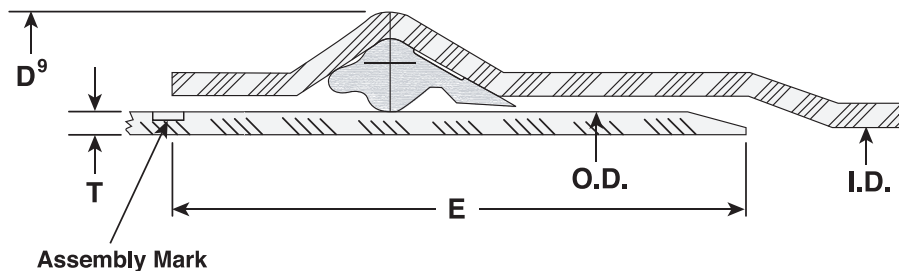
PIPE SIZE (IN)	AVERAGE O.D. (IN)	NOM. I.D. (IN)	MIN. T. (IN)	MIN. E (IN)	APPROX. D <sup>9</sup> (IN)	APPROX. WEIGHT (LBS/FT)
<b>6</b>	6.625	6.40	0.104	5.50	7.20	1.60
<b>8</b>	8.625	8.33	0.135	6.25	9.30	2.40
<b>10</b>	10.750	10.39	0.168	6.75	11.50	3.80
<b>12</b>	12.750	12.32	0.199	8.00	13.80	5.30
<b>Rated 100 psi (SDR 41)*</b>						
<b>3</b>	3.500	3.320	0.085	4.20	3.84	—
<b>4</b>	4.500	4.267	0.110	4.50	4.94	1.03
<b>5</b>	5.563	5.27	0.136	4.65	6.10	1.60
<b>6</b>	6.625	6.282	0.162	5.20	7.27	2.23
<b>8</b>	8.625	8.180	0.210	5.90	9.47	3.75
<b>10</b>	10.750	10.195	0.262	6.70	11.80	5.86
<b>12</b>	12.750	12.091	0.311	8.10	13.99	8.28
<b>Rated 125 psi (SDR 32.5)*</b>						
<b>1.5</b>	1.900	1.773	0.060	3.45	2.14	—
<b>2</b>	2.375	2.220	0.073	3.70	2.67	—
<b>2.5</b>	2.875	2.688	0.088	3.95	3.23	—
<b>3</b>	3.500	3.271	0.108	4.20	3.93	0.77
<b>4</b>	4.500	4.207	0.138	4.50	5.05	1.28
<b>5</b>	5.563	5.200	0.171	4.65	6.25	2.00
<b>6</b>	6.625	6.193	0.204	5.20	7.44	2.79
<b>8</b>	8.625	8.063	0.265	5.90	9.69	4.70
<b>10</b>	10.750	10.048	0.331	6.70	12.07	7.35
<b>12</b>	12.750	11.919	0.392	8.10	14.32	10.36
<b>Rated 160 psi (SDR 26)* (G) (P)</b>						
<b>1.5</b>	1.900	1.745	0.073	3.45	2.19	0.28
<b>2</b>	2.375	2.182	0.091	3.70	2.74	0.44
<b>2.5</b>	2.875	2.642	0.110	3.50	3.32	0.64
<b>3</b>	3.500	3.214	0.135	4.10	4.04	0.95
<b>4</b>	4.500	4.133	0.173	4.50	5.19	1.58
<b>5</b>	5.563	5.109	0.214	4.65	6.42	2.40
<b>6</b>	6.625	6.084	0.255	5.20	7.65	3.44
<b>8</b>	8.625	7.921	0.332	5.90	9.95	5.85
<b>10</b>	10.750	9.874	0.413	6.70	12.40	9.12
<b>12</b>	12.750	11.711	0.490	8.10	14.71	12.89

PIPE SIZE (IN)	AVERAGE O.D. (IN)	NOM. I.D. (IN)	MIN. T. (IN)	MIN. E (IN)	APPROX. D <sup>9</sup> (IN)	APPROX. WEIGHT (LBS/FT)
<b>Rated 200 psi (SDR 21)* (G) (P)</b>						
1.5	1.900	1.709	0.090	3.45	2.26	0.44
2	2.375	2.135	0.113	3.70	2.83	0.54
2.5	2.875	2.585	0.137	3.95	3.42	0.79
3	3.500	3.146	0.167	4.20	4.17	1.17
4	4.500	4.046	0.214	4.50	5.36	1.93
6	6.625	5.955	0.316	5.20	7.89	4.23
8	8.625	7.754	0.410	5.90	10.27	7.18
10	10.750	9.667	0.511	6.70	12.79	11.20
12	12.750	11.465	0.606	8.10	15.17	15.82
<b>Rated 250 psi (SDR 17)* (G) (P)</b>						
1.5	1.900	1.641	0.112	3.45	2.39	0.58
2	2.375	2.078	0.140	3.70	2.94	0.66
2.5	2.875	2.517	0.169	3.95	3.55	—
3	3.500	3.063	0.206	4.20	4.32	1.42
4	4.500	3.938	0.265	4.50	5.56	2.36
6	6.625	5.803	0.390	5.20	8.19	5.11
8	8.625	7.553	0.508	5.90	10.66	8.69
10	10.750	9.410	0.632	6.70	13.28	13.55
12	12.750	11.160	0.750	8.10	15.75	19.20

\* Prior to ordering or specifying, consult JM Eagle™ for product and/or listing availability.

(G) Green pipe available in sizes 4"–12"

(P) Purple pipe available in sizes 2"–12"



I.D. : Inside Diameter  
O.D. : Outside Diameter  
T : Wall Thickness  
D<sup>9</sup> : Bell Outside Diameter  
E : Distance between Assembly Mark to the end of spigot.

Product Standard: ASTM D2241  
Pipe Compound: ASTM D1784 Cells Class 12454  
Gasket: ASTM F477  
Integral Bell Joint: ASTM D3139  
Certifications: ANSI/NSF Standard 61  
Pipe Length: 20 feet laying length  
Installation: JM Eagle™ Installation Guide