



# IPS PRESSURE / RING-TITE

PRESSURE-RATED PVC PIPE

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# IPS Pressure | Ring-Tite

## PRESSURE-RATED PVC PIPE



ASTM D2241  
ASTM D1784 Cell Class 12454  
ANSI/NSF 61/14, Uniform Plumbing Code

**GASKETS:** ASTM F477

**JOINTS:** ASTM D3139

### MARKETS



POTABLE



IRRIGATION



RECLAIM



SEWER



PLUMBING

### DESCRIPTION



#### IPS PRESSURE - RING TITE

Nominal Laying Length:

**20 feet**

(Laying length tolerances are in accordance with ASTM standards)

#### PIPE SIZES

1 1/2" 2" 2 1/2" 3" 4"  
5" 6" 8" 10" 12"

#### PIPE COLOR

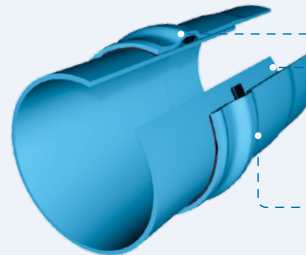
BLUE	GREEN
PURPLE	WHITE

#### 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.



• 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.

#### ASTM D2241

63 psi	SDR 64
100 psi	SDR 41
125 psi	SDR 32.5
160 psi	SDR 26
200 psi	SDR 21
250 psi	SDR 17

### 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.
- Consistency in carrying capacity (flow coefficient, C=150), for savings in pumping and material costs.

### SUBMITTAL AND DATA SHEET

PIPE SIZE (IN)	AVG. O.D. (IN)	NOM. I.D. (IN)	MIN. T. (IN)	AVG. E. (IN)	APPROX. D <sup>3</sup>	APPROX. WGT (LBS/FT)
PRESSURE CLASS: 250 psi (SDR 17)*						
PIPE STIFFNESS: 437 psi						
1½	1.900	1.641	0.112	3.575	2.39	0.58
2	2.375	2.078	0.140	3.825	2.94	0.66
2½	2.875	2.517	0.169	4.075	3.55	0.96
3	3.500	3.063	0.206	4.325	4.32	1.42
4	4.500	3.938	0.265	4.625	5.56	2.36
6	6.625	5.603	0.390	5.325	8.19	5.11
8	8.625	7.553	0.508	6.025	10.66	8.69
10	10.750	9.410	0.632	6.825	13.28	13.55
12	12.750	11.160	0.750	8.225	15.75	19.20
PRESSURE CLASS: 200 psi (SDR 21)*						
PIPE STIFFNESS: 224 psi						
1½	1.900	1.709	0.090	3.575	2.26	0.44
2	2.375	2.135	0.113	3.825	2.83	0.54
2½	2.875	2.585	0.137	4.075	3.42	0.79
3	3.500	3.146	0.167	4.325	4.17	1.17
4	4.500	4.046	0.214	4.625	5.36	1.93
6	6.625	5.955	0.316	5.325	7.89	4.23
8	8.625	7.754	0.410	6.025	10.27	7.18
10	10.750	9.667	0.511	6.825	12.79	11.20
12	12.750	11.465	0.606	8.225	15.17	15.82
PRESSURE CLASS: 160 psi (SDR 26)*						
PIPE STIFFNESS: 115 psi						
1½	1.900	1.745	0.073	3.575	2.19	0.28
2	2.375	2.182	0.091	3.825	2.74	0.44
2½	2.875	2.642	0.110	4.075	3.32	0.64
3	3.500	3.214	0.135	4.325	4.04	0.95
4	4.500	4.133	0.173	4.625	5.19	1.58
5	5.563	5.109	0.214	4.750	6.42	2.40
6	6.625	6.084	0.225	5.325	7.65	3.44
8	8.625	7.921	0.332	6.025	9.95	5.85
10	10.750	9.874	0.413	6.825	12.40	9.12
12	12.750	11.711	0.490	8.225	14.71	12.89

### SUBMITTAL AND DATA SHEET

PIPE SIZE (IN)	AVG. O.D. (IN)	NOM. I.D. (IN)	MIN. T. (IN)	AVG. E. (IN)	APPROX. D <sup>9</sup>	APPROX. WGT (LBS/FT)
PRESSURE CLASS: 125 psi (SDR 32.5)*						
PIPE STIFFNESS: 57 psi						
2	2.374	2.220	0.073	3.825	2.67	0.35
2½	2.875	2.688	0.088	4.075	3.23	0.51
3	3.500	3.271	0.108	4.325	3.93	0.77
4	4.500	4.207	0.138	4.625	5.05	1.28
5	5.563	5.200	0.171	4.750	6.25	2.00
6	6.625	6.193	0.204	5.325	7.44	2.79
8	8.625	8.063	0.265	6.025	9.69	4.70
10	10.750	10.048	0.331	6.825	12.07	7.35
12	12.750	11.919	0.392	8.225	14.32	10.36
PRESSURE CLASS: 100 psi (SDR 41)*						
PIPE STIFFNESS: 28 psi						
4	4.500	4.267	0.110	4.625	4.94	1.03
5	5.563	5.27	0.136	4.750	6.10	1.60
6	6.625	6.282	0.162	5.325	7.27	2.23
8	8.625	8.180	0.210	6.025	9.47	3.75
10	10.750	10.195	0.262	6.825	11.80	5.86
12	12.750x	12.091	0.311	8.225	13.99	8.28
PRESSURE CLASS: 63 psi (SDR 64)*						
PIPE STIFFNESS: 7 psi						
6	6.625	6.40	0.104	5.325	7.20	1.60
8	8.625	8.33	0.135	6.025	9.30	2.40
10	10.750	10.39	0.168	6.825	11.50	3.80
12	12.750	12.32	0.199	8.225	13.80	5.30

### SUBMITTAL AND DATA SHEET

#### PRODUCT STANDARD

ASTM D2241

#### GASKET

ASTM F477

#### CERTIFICATIONS

ANSI/NSF 61, ANSI/NSF 14\*,  
Uniform Plumbing Code\*  
CSA B137.3

#### PIPE COMPOUND

ASTM D1784 Cell Class 12454

#### INTEGRAL BELL JOINT

ASTM D3139

#### NOMINAL LAYING LENGTH

**20/22 feet**

(Laying length tolerances are in accordance with ASTM standards.)

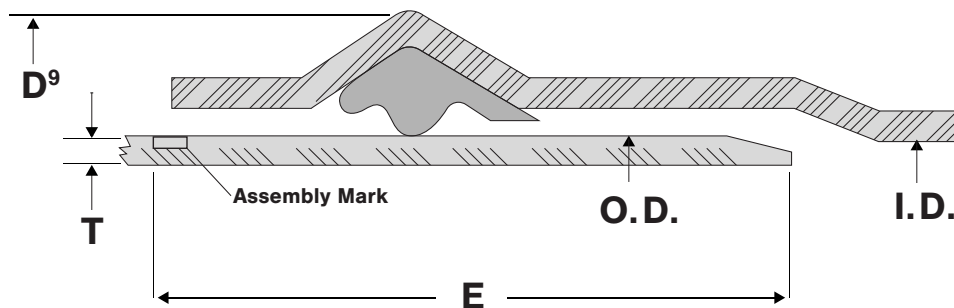
Manning Coefficient (n) = 0.009 - Hazen-Williams Coefficient (c) = 150

\*Supply may vary based on plant location. Please call regarding availability.

\*This item is also available with an Eagle Loc Joint. Please call for more details.

#### INSTALLATION

JM Eagle™ IPS Pressure Installation Guide



**I.D.** - Inside Diameter

**O.D.** - Outside Diameter

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

**T** - Minimum Wall  
Thickness

**D<sup>9</sup>** - Bell Outside Diameter

