

IPS Pressure | Ring-Tite

PRESSURE-RATED PVC PIPE



DELIVERING GOOD WATER TO YOU



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

Gasket: ASTM F477
Joint: ASTM D3139

MARKETS



DESCRIPTION



Available Pipe Sizes

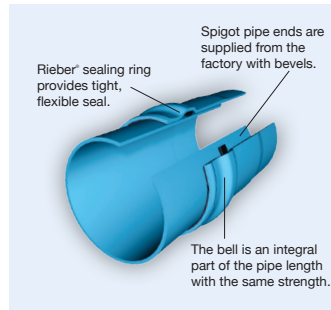
IPS: 1½", 2", 2½", 3", 4", 5", 6", 8", 10", 12"

Nominal Laying Length: 20/22 feet *(Laying length tolerances are in accordance with ASTM standards)*

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.



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.



IPS Pressure | Ring-Tite

PRESSURE-RATED PVC PIPE



DELIVERING GOOD WATER TO YOU

SUBMITTAL AND DATA SHEET

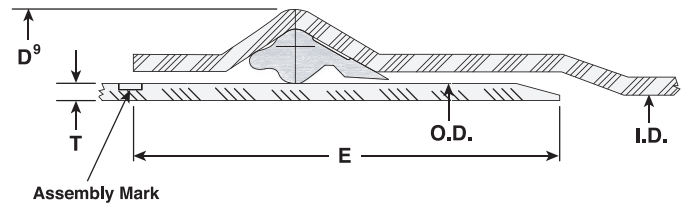
PIPE SIZE (IN)	AVERAGE O.D. (IN)	NOM. I.D. (IN)	MIN. T. (IN)	AVG. E (IN)	APPROX. D ⁹ (IN)	APPROX. WGT (LBS/FT)
PRESSURE CLASS 250 psi (SDR 17)*						
PIPE STIFFNESS: 437 psi						
1½	1.900	1.641	0.112	3.575	2.39	0.58
2	2.375	2.078	0.140	3.825	2.94	0.66
2½	2.875	2.517	0.169	4.075	3.55	—
3	3.500	3.063	0.206	4.325	4.32	1.42
4	4.500	3.938	0.265	4.625	5.56	2.36
6	6.625	5.803	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	0.255	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
PRESSURE CLASS 125 psi (SDR 32.5)*						
PIPE STIFFNESS: 57 psi						
1½	1.900	1.773	0.060	3.575	2.14	—
2	2.375	2.220	0.073	3.825	2.67	—
2½	2.875	2.688	0.088	4.075	3.23	—
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

PIPE SIZE (IN)	AVERAGE O.D. (IN)	NOM. I.D. (IN)	MIN. T. (IN)	AVG. E (IN)	APPROX. D ⁹ (IN)	APPROX. WGT (LBS/FT)
PRESSURE CLASS 100 psi (SDR 41)*						
PIPE STIFFNESS: 28 psi						
3	3.500	3.320	0.085	4.325	3.84	—
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	12.750	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

Product Standard: ASTM D2241
Pipe Compound: ASTM D1784 Cell Class 12454
Gasket: ASTM F477
Integral Bell Joint: ASTM D3139
Certifications: ANSI/NSF 61, ANSI/NSF 14*, Uniform Plumbing Code*
Nominal Laying Length: 20/22 feet
 (Laying length tolerances are in accordance with ASTM standards)
Installation: JM Eagle™ IPS Pressure Installation Guide

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.



I.D.: Inside Diameter
O.D.: Outside Diameter
T: Wall Thickness
D⁹: Bell Outside Diameter
E: Distance between Assembly Mark and the end of the spigot.

