

PRODUCT SPECIFICATION

ASTM D3034/IB PVC GRAVITY SEWER PIPE Gasketed Integral Bell

Our ASTM D3034 Gasketed Integral Bell PVC Pipe product line is manufactured to meet the needs of modern municipal waste water systems, storm water drainage systems, and other non-pressure applications. With top quality raw materials and modern processing technology, our ASTM D3034 pipe meets all industry standards in addition to our own rigorous quality control requirements.

Our D3034 pipe utilizes Rieber style gaskets throughout the entire product offering to create a leak-free joint.

SHORT FORM SPECIFICATION	
Pipe Standard:	ASTM D3034
Diameter Std.:	PSM: 4"–27", CIOD: 30"–36"
Nominal Sizes:	4", 6", 8", 10", 12", 15", 18", 21", 24", 30", 36"
Dimension Ratios & Pipe Stiffness:	PS 46, SDR 35 – 46 psi PS 75 – 75 psi PS 115, SDR 26 – 115 psi SDR 23.5 – 153 psi
Pressure Ratings:	Not rated for pressure applications
Lay Length:	14' or 20'
Color:	Green
Pipe Compound:	ASTM D1784 Cell Class 12454 or 12364
Pipe Options:	4"–36" Solid Wall 4"–8" 2-Hole Perforated 4"–8" 3-Hole Perforated
Pipe Joint Std.:	ASTM D3212
Max. Angular Joint Deflection:‡	1°
Gasket Standard:	ASTM F477
Gasket Material Offerings:	Standard – SBR 4"–15" Optional – NBR or EPDM
Certifications:	IAPMO Uniform Plumbing Code*
Installation Std.:	ASTM D2321

*IAPMO Uniform Plumbing Code listed products must be requested at time of order.

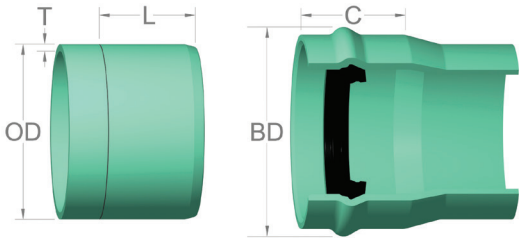
‡See Installation Guide for more information.



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- Notes:
- 1. These dimensions are for estimating purposes only. All dimensions are in inches unless otherwise specified.
 - 2. Pipe Stiffness determined using ASTM D2412 at 5% deflection. This is a property that defines the pipe's ability to resist external loading.
 - 3. Internal diameter calculated using nominal outside diameter and minimum wall thickness.
 - 4. Dimension given for Approx. Bell Diameter (BD) is for highest pipe stiffness.
 - 5. Products certified to CSA B182.2 have dimensions in brackets in millimeters unless otherwise specified.

D3034/IB PIPE DIMENSIONS & PERFORMANCE								
Nom. Size	Outside Diameter (OD)	SDR/ Stiffness Class	Pipe Stiffness (psi)	Min. Wall Thickness (T)	Internal Diameter (ID)	Approx. Bell Diameter (BD)	Bell Depth (C)	Insertion Mark (L)
4"	4.215	35	46	0.120	3.975	5.000	3.750	3.125
		26	115	0.162	3.891			
		23.5	153	0.178	3.859			
6"	6.275	35	46	0.180	5.915	7.375	4.625	4.000
		26	115	0.241	5.793			
		23.5	153	0.265	5.745			
8"	8.400	35	46	0.240	7.920	9.625	5.250	4.125
		26	115	0.323	7.754			
10"	10.500	35	46	0.300	9.900	12.250	5.875	5.125
		26	115	0.404	9.692			
12"	12.500	35	46	0.360	11.780	14.375	6.500	5.375
		26	115	0.481	11.538			
15"	15.300	35	46	0.437	14.426	17.500	7.750	7.375
		26	115	0.588	14.125			
18"	18.701	PS 46	46	0.499	17.703	21.000	9.500	8.500
		PS 75	75	0.584	17.533			
		PS 115	115	0.671	17.359			
21"	22.047	PS 46	46	0.588	20.871	24.500	10.250	9.250
		PS 75	75	0.689	20.669			
		PS 115	115	0.791	20.465			
24"	24.803	PS 46	46	0.661	23.481	27.500	11.000	10.000
		PS 75	75	0.775	23.253			
		PS 115	115	0.889	23.025			
27"	27.953	PS 46	46	0.745	26.463	31.000	12.250	11.250
		PS 75	75	0.874	26.205			
		PS 115	115	1.002	25.949			
30" [750mm]	32.000 [812.8]	PS 46 [SDR 35]	46 [320 kPa]	0.915 [23.2]	30.173 [766.4]	37.102 [942.4]	15.125 [384.2]	14.125 [358.8]
		PS 75 [SDR 32]	75 [515 kPa]	1.000 [25.4]	30.000 [762.0]			
		PS 115 [SDR 26]	115 [790 kPa]	1.231 [31.3]	29.535 [750.2]			
36" [900mm]	38.300 [972.8]	PS 46 [SDR 35]	46 [320 kPa]	1.095 [27.8]	36.110 [917.2]	43.194 [1,117.5]	19.125 [485.8]	18.125 [460.4]
		PS 75 [SDR 32]	75 [515 kPa]	1.197 [30.4]	35.906 [912.0]			
		PS 115 [SDR 26]	115 [790 kPa]	1.474 [37.4]	35.354 [898.0]			

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D3034/IB PIPE PERFORATION PATTERNS					
Nom. Size	Perforation Rows	Circumferential Hole Spacing	Longitudinal Hole Spacing (in)	Hole Diameter (in)	Inlet Area (in ² /ft pipe)
4"	2	120°	5.000	0.500	0.942
				0.625	1.473
	3	60°-60°	5.000	0.500	1.414
				0.625	2.209
6"	2	120°	5.000	0.500	0.942
				0.625	1.473
	3	60°-60°	5.000	0.500	1.414
				0.625	2.209
8"	2	120°	5.000	0.500	0.942
				0.625	1.473
	3	60°-60°	5.000	0.500	1.414
				0.625	2.209

