

# Solvent Weld | SDR Series

PRESSURE-RATED PVC PIPE



DELIVERING GOOD WATER TO YOU

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

## MARKETS



Irrigation



Reclaim



Plumbing



Drainage

## DESCRIPTION



### Available Pipe Sizes (IPS)

½", ¾", 1", 1¼", 1½", 2", 2½", 3", 4", 5", 6", 8", 10", 12"

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

**Color:**  White  Purple

*(Marked for Reclaim only)\**

ASTM D2241	
100 psi	SDR 41
125 psi	SDR 32.5
160 psi	SDR 26
200 psi	SDR 21
315 psi	SDR 13.5



## 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.

Structurally sound joints provide a rigid connection.



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

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## SUBMITTAL AND DATA SHEET

PIPE SIZE (IN)	AVERAGE O.D. (IN)	NOM. I.D. (IN)	MIN. T. (IN)	NOM. I.D. (IN)	MIN. T. (IN)	NOM. I.D. (IN)	MIN. T. (IN)
		PRESSURE CLASS 315 psi (SDR 13.5)		PRESSURE CLASS 200 psi (SDR 21)		PRESSURE CLASS 160 psi (SDR 26)	
		PIPE STIFFNESS: 916 psi		PIPE STIFFNESS: 224 psi		PIPE STIFFNESS: 115 psi	
½	0.840	0.709	0.062	N/A	N/A	N/A	N/A
¾	1.050	0.885	0.078	0.923	0.060	N/A	N/A
1	1.315	1.109	0.097	1.181	0.063	1.188	0.060
1¼	1.660	1.399	0.123	1.493	0.079	1.524	0.064
1½	1.900	1.601	0.141	1.709	0.090	1.745	0.073
2	2.375	2.002	0.176	2.135	0.113	2.182	0.091
2½	2.875	2.423	0.213	2.585	0.137	2.642	0.110
3	3.500	2.951	0.259	3.146	0.167	3.214	0.135
4	4.500	3.794	0.333	4.046	0.214	4.133	0.173
5	5.563	4.690	0.412	5.001	0.265	5.109	0.214
6	6.625	5.584	0.491	5.955	0.316	6.084	0.255
8	8.625	N/A	N/A	7.756	0.410	7.921	0.332
10	10.750	N/A	N/A	9.667	0.511	9.874	0.413
12	12.750	N/A	N/A	11.465	0.606	11.711	0.490

**Product Standard:** ASTM D2241

**Pipe Compound:**

ASTM D1784 Cell Class 12454

**Certification:**

ANSI/NSF 61, ANSI/NSF 14\*

Uniform Plumbing Code\*

**Pipe End Finish:** Bell End\*, Plain End

**Nominal Laying Length:** 20 feet

(Laying length tolerances are in accordance with ASTM standards)

**Installation:** JM Eagle™ Solvent Weld Installation Guide

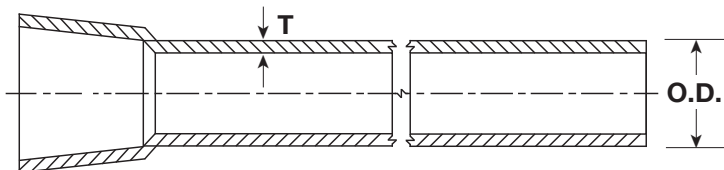
Manning Coefficient (n) = 0.009

Hazen-Williams Coefficient (c) = 150

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



PIPE SIZE (IN)	AVERAGE O.D. (IN)	NOM. I.D. (IN)	MIN. T. (IN)	NOM. I.D. (IN)	MIN. T. (IN)
		PRESSURE CLASS 125 psi (SDR 32.5)*		PRESSURE CLASS 100 psi (SDR 41)*	
		PIPE STIFFNESS: 57 psi		PIPE STIFFNESS: 28 psi	
½	0.840	N/A	N/A	N/A	N/A
¾	1.050	N/A	N/A	N/A	N/A
1	1.315	N/A	N/A	N/A	N/A
1¼	1.660	1.533	0.060	N/A	N/A
1½	1.900	1.773	0.060	N/A	N/A
2	2.375	2.220	0.073	N/A	N/A
2½	2.875	2.688	0.088	N/A	N/A
3	3.500	3.271	0.108	3.320	0.085
4	4.500	4.207	0.138	4.267	0.110
5	5.563	5.200	0.171	5.275	0.136
6	6.625	6.193	0.204	6.282	0.162
8	8.625	8.063	0.265	8.180	0.210
10	10.750	10.048	0.331	10.195	0.262
12	12.750	11.919	0.392	12.091	0.311



T: (Wall Thickness) O.D.: (Outside Diameter)