

Solvent Weld

SDR
SERIES

PRESSURE-RATED PVC PIPE



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



MARKETS



IRRIGATION



RECLAIM



PLUMBING



DRAINAGE

DESCRIPTION



SOLVENT WELD - SDR SERIES

Nominal Laying Length:

20 feet

(Laying length tolerances are in accordance with ASTM standards)

PIPE SIZES

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

PIPE COLOR

WHITE

PURPLE

(Marked for Reclaim only)*

ASTM D1785

100 psi	SDR 41
125 psi	SDR 32.5
160 psi	SDR 26
200 psi	SDR 21
250 psi	SDR 17
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 costs and size of the pipe.
- Structurally sound joints provide a rigid connection



SUBMITTAL AND DATA SHEET

PIPE SIZE (IN)	AVG. O.D. (IN)	NOM I.D. (IN)	MIN. T. (IN)
Pressure Class 100psi (SDR 41)			
3	3.500	3.321	0.085
3½	4.000	3.794	0.098
4	4.500	4.269	0.110
5	5.563	5.277	0.136
6	6.625	6.284	0.162
8	8.625	8.184	0.210
10	10.750	10.199	0.262
12	12.750	12.096	0.311
Pressure Class 125psi (SDR 32.5)			
1¼	1.660	1.534	0.060
1½	1.900	1.774	0.060
2	2.375	2.221	0.073
2½	2.875	2.690	0.088
3	3.500	3.273	0.108
3½	4.000	3.741	0.123
4	4.500	4.210	0.138
5	5.563	5.203	0.171
6	6.625	6.196	0.204
8	8.625	8.068	0.265
10	10.750	10.054	0.331
12	12.750	11.926	0.392
Pressure Class 160psi (SDR 26)			
1	1.315	1.189	0.060
1¼	1.660	1.526	0.064
1½	1.900	1.747	0.073
2	2.375	2.184	0.091
2½	2.875	2.644	0.110
3	3.500	3.217	0.135
3½	4.000	3.677	0.154
4	4.500	4.137	0.173
5	5.563	5.114	0.214
6	6.625	6.090	0.255
8	8.625	7.928	0.332
10	10.750	9.883	0.413
12	12.750	11.721	0.490

SUBMITTAL AND DATA SHEET

PIPE SIZE (IN)	AVG. O.D. (IN)	NOM I.D. (IN)	MIN. T. (IN)
Pressure Class 200psi (SDR 21)			
3/4	1.050	0.924	0.060
1	1.315	1.183	0.063
1 1/4	1.660	1.494	0.079
1 1/2	1.900	1.711	0.090
2	2.375	2.138	0.113
2 1/2	2.875	2.587	0.137
3	3.500	3.149	0.167
3 1/2	4.000	3.601	0.190
4	4.500	4.051	0.214
5	5.563	5.007	0.265
6	6.625	5.961	0.316
8	8.625	7.764	0.410
10	10.750	9.677	0.511
12	12.750	11.477	0.606
Pressure Class 250psi (SDR 17)			
3/4	1.050	0.920	0.062
1	1.315	1.153	0.077
1 1/4	1.660	1.454	0.098
1 1/2	1.900	1.665	0.112
2	2.375	2.081	0.140
2 1/2	2.875	2.520	0.169
3	3.500	3.067	0.206
3 1/2	4.000	3.507	0.235
4	4.500	3.944	0.265
5	5.563	4.876	0.327
6	6.625	5.806	0.390
8	8.625	7.558	0.508
10	10.750	9.423	0.632
12	12.750	11.175	0.750

SUBMITTAL AND DATA SHEET

PIPE SIZE (IN)	AVG. O.D. (IN)	NOM I.D. (IN)	MIN. T. (IN)
Pressure Class 315psi (SDR 13.5)			
1/2	0.840	0.710	0.062
5/8	1.050	0.886	0.078
1	1.315	1.111	0.097
1 1/4	1.660	1.402	0.123
1 1/2	1.900	1.604	0.141
2	2.375	2.005	0.176
2 1/2	2.875	2.428	0.213
3	3.500	2.956	0.259
3 1/2	4.000	3.378	0.296
4	4.500	3.801	0.333
5	5.563	4.698	0.412
6	6.625	5.594	0.491

PRODUCT STANDARD

ASTM D2241

CERTIFICATION

ANSI/NSF 61, ANSI/NSF 14*
Uniform Plumbing Code*

NOMINAL LAYING LENGTH

20 feet

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

PIPE COMPOUND

ASTM D1784 Cell Class 12454

Water pressure rating measured at 23°C (73°F)

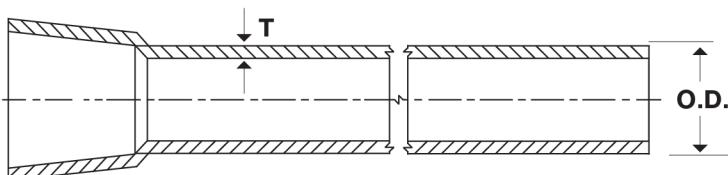
INSTALLATION

JM Eagle™ Solvent Weld
Installation Guide.

PIPE END FINISH

Bell End, Plain End

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



T - Wall Thickness

O.D. - Outside Diameter

