



# PWEagle

## Solid-Wall PVC Stormdrain Pipe

**Economical & Efficient for  
Storm-water Runoff**

PW Eagle Stormdrain pipe combines superior material with the latest manufacturing technology. Our pipe meets or exceeds industry standards, because we enforce rigorous quality control in all our manufacturing facilities.

PW Eagle supports the PVC Pipe industry's efforts to maintain the highest design and manufacturing standards. We are members of Uni-Bell PVC Pipe Association.

The following specifications designate general requirements for PVC solid-wall Stormdrain pipe with integral bell and spigot gasketed joints for the conveyance of storm-water runoff.

**Materials:** Pipe material is made of the PVC compound, cell class 12454 or 12364, as defined in ASTM D 1784. The pipe stiffness corresponds with the Series as determined in accordance with ASTM D 2412.

**Pipe and Joint:** The elastomeric seal or gasket conforms to ASTM F 477. Gasketed joints meet the leakage test requirements of ASTM D 3139 (Series 14 and Series 28) or ASTM D 3212 (Series 46).

Series 14 and 28 (15"-24") conform to ASTM D 2241. Series 46 conforms to ASTM D 3034 (4"-15", SDR 35) or ASTM F 679 (18"-24", T-2 Wall Thickness).

**Embedment:** Install pipe with proper bedding for uniform longitudinal support. To maintain a constant slope and avoid settlement, use well-graded material and make sure compaction is uniform. Provide bell holes at each joint to permit proper assembly. Make sure the bedding and initial backfill are free of particles larger than 1½ inches (¾ inches for pipes 5 inches and smaller in diameter). Allow at least a 4-inch soil cushion around the pipe and accessories.

**Pipe Assembly:** Refer to detailed assembly instructions in PW Eagle's Installation Guide. You'll also find assembly instructions printed on pipe labels. Gasketed pipe requires lubricant for assembly. Use only the lubricant supplied with the pipe. Others may affect the pipe or gasket material.

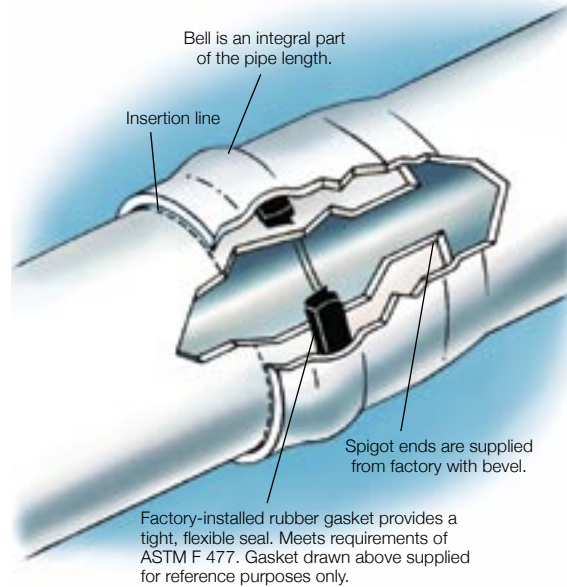
**Deflection:** Pipe should be installed such that vertical deflection is limited to 7½% of the base inside diameter. To provide good support for the pipe, carefully work embedment material under the haunches of the pipe to compact it. Place initial backfill material to a minimum of 6 inches over the pipe. See PW Eagle's Technical Bulletin entitled "Depth of Burial for PVC Pipe" for more details.

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**Waterworks  
Products**

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## PW Eagle Gasketed Joint



### Solid-Wall Stormdrain: 46 psi Pipe Stiffness

| Nominal Pipe Size (inches) | Stiffness Type | Average Outside Diameter (inches) | Base Inside Diameter (inches) | Minimum Wall Thickness (inches) | Approx. Weight 20' Pieces (lbs/100 ft) |
|----------------------------|----------------|-----------------------------------|-------------------------------|---------------------------------|----------------------------------------|
| 4                          | Series 46      | 4.215                             | 3.890                         | 0.120                           | 100                                    |
| 6                          | Series 46      | 6.275                             | 5.742                         | 0.180                           | 230                                    |
| 8                          | Series 46      | 8.400                             | 7.665                         | 0.240                           | 410                                    |
| 10                         | Series 46      | 10.500                            | 9.563                         | 0.300                           | 650                                    |
| 12                         | Series 46      | 12.500                            | 11.361                        | 0.360                           | 920                                    |
| 15                         | Series 46      | 15.300                            | 13.898                        | 0.437                           | 1390                                   |
| 18                         | Series 46      | 18.701                            | 16.976                        | 0.499                           | 2090                                   |
| 21                         | Series 46      | 22.047                            | 20.004                        | 0.588                           | 2920                                   |
| 24                         | Series 46      | 24.803                            | 22.480                        | 0.661                           | 3710                                   |

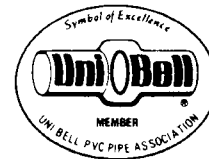
### Solid-Wall Stormdrain: 28 psi Pipe Stiffness

| Nominal Pipe Size (inches) | Stiffness Type | Average Outside Diameter (inches) | Base Inside Diameter (inches) | Minimum Wall Thickness (inches) | Approx. Weight 20' Pieces (lbs/100 ft) |
|----------------------------|----------------|-----------------------------------|-------------------------------|---------------------------------|----------------------------------------|
| 6                          | Series 28      | 6.140                             | 5.671                         | 0.150                           | 190                                    |
| 8                          | Series 28      | 8.160                             | 7.512                         | 0.199                           | 340                                    |
| 10                         | Series 28      | 10.200                            | 9.371                         | 0.249                           | 530                                    |
| 12                         | Series 28      | 12.240                            | 11.230                        | 0.299                           | 760                                    |
| 15                         | Series 28      | 15.300                            | 14.033                        | 0.373                           | 1190                                   |
| 18                         | Series 28      | 18.701                            | 17.146                        | 0.456                           | 1790                                   |
| 21                         | Series 28      | 22.047                            | 20.205                        | 0.538                           | 2500                                   |
| 24                         | Series 28      | 24.803                            | 22.706                        | 0.605                           | 3170                                   |

### Solid-Wall Stormdrain: 14 psi Pipe Stiffness

| Nominal Pipe Size (inches) | Stiffness Type | Average Outside Diameter (inches) | Base Inside Diameter (inches) | Minimum Wall Thickness (inches) | Approx. Weight 20' Pieces (lbs/100 ft) |
|----------------------------|----------------|-----------------------------------|-------------------------------|---------------------------------|----------------------------------------|
| 6                          | Series 14      | 6.140                             | 5.735                         | 0.120                           | 150                                    |
| 8                          | Series 14      | 8.160                             | 7.595                         | 0.160                           | 270                                    |
| 10                         | Series 14      | 10.200                            | 9.475                         | 0.200                           | 430                                    |
| 12                         | Series 14      | 12.240                            | 11.355                        | 0.240                           | 610                                    |
| 15                         | Series 14      | 15.300                            | 14.188                        | 0.300                           | 960                                    |
| 18                         | Series 14      | 18.701                            | 17.335                        | 0.367                           | 1450                                   |
| 21                         | Series 14      | 22.047                            | 20.430                        | 0.432                           | 2020                                   |
| 24                         | Series 14      | 24.803                            | 22.959                        | 0.486                           | 2430                                   |

PW Eagle is one of the largest producers of PVC pipe in North America, and our products are available from distributors throughout the United States. PW Eagle produces PVC pipe for a variety of applications servicing the potable water, well casing, sewer, turf, agriculture, plumbing, communications and electrical markets. Our eleven manufacturing facilities in Oregon, Washington, California, Utah, Nebraska, Texas, Missouri and West Virginia assure on-time delivery.



**PWEagle**

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