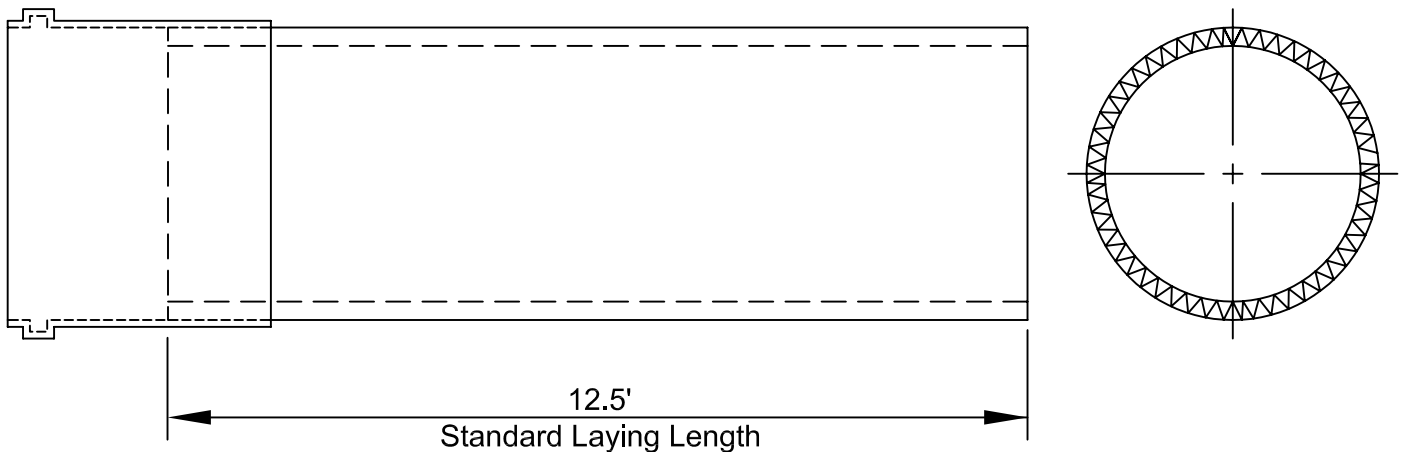


# PVC TRUSS PIPE GASKETED JOINT



| NOMINAL DIAMETERS (IN.) | AVERAGE O.D. (SPIGOT) (IN.) | AVERAGE I.D. (IN.) | MINIMUM STIFFNESS LBS./IN./IN. |
|-------------------------|-----------------------------|--------------------|--------------------------------|
| 8"                      | 9.4                         | 7.8                | 200                            |
| 10"                     | 11.8                        | 9.8                | 200                            |
| 12"                     | 14.1                        | 11.8               | 200                            |
| 15"                     | 17.7                        | 14.8               | 200                            |

## SPECIFICATION

### Scope:

This specification includes materials, test methods and installation requirements for 8" to 15" diameter semi-rigid polyvinyl chloride (PVC) composite pipe. The requirements of this specification are intended to provide pipe and fittings suitable for underground use in non-pressure applications such as sanitary sewers, storm sewers, drainage and underdrains.

### Pipe:

PVC composite pipe shall conform to the requirements of ASTM Designation D2680-90 (or latest revision). Pipe and fittings shall be homogeneous throughout and free from visible cracks, holes, foreign inclusions or other injurious defects. Minimum pipe stiffness when measured in accordance with ASTM Test Method D2412 shall be 200 psi. The thermoplastic material shall be a rigid PCV plastic and shall meet or exceed the requirements of ASTM Specification D1784 for a minimum cell classification of 12454B or 12454C. The other component for semi-rigid pipe shall be Portland cement, Mearlcrete concrete or other inert filler material that essentially fills the truss annulus to form a composite pipe.

### Fittings:

All fittings for PVC composite pipe shall conform to ASTM D2680-90 Section 7.1 and Tables 5 and 6. To insure compatibility, the pipe manufacturer shall furnish all fittings.

### Joints:

All joints shall be made with gasketed bell coupling connections. The manufacturer shall provide documentation showing no leakage when gasketed pipe joints are tested in accordance with ASTM D2680 Section 10.4.2 and ASTM Test Method D3212. Elastomeric seals (gaskets) shall meet the requirements of ASTM Designation F477.