



DIMENSIONS FOR TRUSS PIPE				
NOMINAL DIAMETER (in)	AVG. O.D. SPIGOT (IN)	AVG. O.D. BELL (IN)	AVG. I.D. SPIGOT (IN)	PIPE MIN. STIFFNESS (LBS./IN./IN.)
8	9.40	10.70	7.80	200
10	11.80	13.00	9.80	200
12	14.10	15.30	11.80	200
15	17.70	19.00	14.80	200

**SCOPE:**

THIS SPECIFICATION INCLUDES MATERIALS, TEST METHODS AND INSTALLATION RECOMMENDATIONS FOR 8" TO 15" DIAMETER SEMI-RIGID POLYVINYL CHLORIDE (PVC) COMPOSITE PIPE. THE RECOMMENDATIONS OF THIS SPECIFICATION ARE INTENDED TO PROVIDE PIPE USED FOR UNDERGROUND USE, IN NON-PRESSURE APPLICATIONS SUCH AS SANITARY SEWERS, STORM SEWERS, DRAINAGE & UNDERDRAINS OR OTHER CONVEYANCE BY WAY OF GRAVITY.

**PIPE:**

PVC COMPOSITE PIPE SHALL CONFORM TO ASTM D2680-90 (LATEST VERSION). MINIMUM PIPE STIFFNESS WHEN MEASURED IN ACCORDANCE WITH ASTM D2412 SHALL BE 200 PSI. THE THERMOPLASTIC MATERIAL SHALL BE A RIGID PVC AND MEET OR EXCEED REQUIREMENTS OF ASTM D1784 AND MINIMUM CELL CLASSIFICATION OF 12454. THE OTHER COMPOSITE MATERIAL SHALL BE A MIX OF PORTLAND CEMENT AND FOAMING MATERIALS MAKING UP A MEARLCRETE CONCRETE FILL OR OTHER INERT FILLER MATERIAL THAT ESSENTIALLY FILLS THE PIPE TRUSS ANNULUS TO FORM A COMPOSITE PIPE MEETING ASTM D2680.

**JOINTS:**

ALL GASKETED JOINTS SHALL BE MADE WITH GASKETED BELL COUPLING CONNECTIONS IN ACCORDANCE WITH ASTM D2680 AND ASTM TEST METHOD D3212. ELASTOMERIC SEALS (GASKETS) SHALL MEET THE REQUIREMENTS OF ASTM DESIGNATION F477. ALL SOLVENT CEMENT WELDED JOINTS SHALL MEET ALL APPLICABLE REQUIREMENTS OF ASTM D2680.

**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.

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TRUSS PIPE - PIPE SPEC



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