

# INSERTA TEE<sup>®</sup> SERVICE CONNECTION SPECIFICATION

## Scope

This specification describes Inserta Tee service connections for use in gravity-flow sewer and storm drainage applications.

## Product Requirements

Inserta Tee service connections, as manufactured by Inserta Tee, shall consist of a PVC hub, rubber sleeve, and stainless steel band. Connection shall be a compression fit into the cored wall of a mainline pipe. Hub shall be made from heavy-duty PVC material. Stainless steel clamping assembly shall be of SS #301 for the band and housing and SS #305 for screws. Rubber sleeve and gasket, when applicable, shall meet the requirements of ASTM F477. Gaskets shall be installed by the manufacturer. A water-based solution provided by the manufacturer shall be used during assembly.

The Inserta Tee can be installed into any mainline pipe or structure. Connection hubs are available to connect to corrugated polyethylene, corrugated polypropylene, PVC C900, SDR 26 HWS, SDR 35 (gasketed bell), IPS/Sch 40 (gasketed bell & solvent weld bell). Availability of connection diameters is based on the service pipe material.

## Joint Performance

Inserta Tee<sup>®</sup> product shall provide a watertight connection according to the requirements of ASTM D3212 or ASTM F2946-12 (additional specifications listed below)\*

## Field Pipe and Joint Performance

To assure watertightness, field performance verification may be accomplished by testing in accordance with ASTM F2487. Appropriate safety precautions must be used when field-testing any pipe material. Contact the manufacturer for recommended leakage rates.

## Installation

Installation shall be in accordance with manufacturer's recommended installation guidelines (reference detail STD-1100A for step-by-step installation instructions). The use of installation methods or hole saws not purchased from Inserta Fittings will void the performance warranty of the product. Backfill around the Inserta Tee service connection shall be of the same material type and compaction level as specified for the mainline pipe installation. For shallow H-20 traffic applications (< 2' of cover) or deep burial applications (>= 25' in burial depth), Inserta Tee shall be encased in concrete. Actual dimensions of concrete must be designed (by others) taking into consideration local soil conditions & other applicable design factors, but shall extend no less than 12" in any direction from the fitting. Contact your local representative or visit the website at [www.adspipe.com](http://www.adspipe.com) for a copy of the latest installation guidelines.



Scan QR code for installation video

\* Inserta Tee<sup>®</sup> fittings have been tested to the following specifications: ASTM F2946-12, ASTM D3212, ASTM F2487, paragraph 10.2 of ASTM F1336-07 Impact resistance test, ASTM D2412-77, ASTM F1336 Section 10.3, ASTM F477, ASTM C-443, ASTM C1103.

CSA Standard B182.4M, NQ 3624-135, (Updated versions: CSA B182.2, BNQ3624-135)

ADVANCED DRAINAGE SYSTEMS, INC. ("ADS") HAS PREPARED THIS DETAIL BASED ON INFORMATION PROVIDED TO ADS. THIS DRAWING IS INTENDED TO DEPICT THE COMPONENTS AS REQUESTED. ADS HAS NOT PERFORMED ANY ENGINEERING OR DESIGN SERVICES FOR THIS PROJECT, NOR HAS ADS INDEPENDENTLY VERIFIED THE INFORMATION SUPPLIED. THE INSTALLATION DETAILS PROVIDED HEREIN ARE GENERAL RECOMMENDATIONS AND ARE NOT SPECIFIC FOR THIS PROJECT. THE DESIGN ENGINEER SHALL REVIEW THESE DETAILS PRIOR TO CONSTRUCTION. IT IS THE DESIGN ENGINEERS RESPONSIBILITY TO ENSURE THE DETAILS PROVIDED HEREIN MEETS OR EXCEEDS THE APPLICABLE NATIONAL, STATE, OR LOCAL REQUIREMENTS AND TO ENSURE THAT THE DETAILS PROVIDED HEREIN ARE ACCEPTABLE FOR THIS PROJECT.

INSERTA TEE SERVICE  
CONNECTION SPECIFICATION

DRAWING NUMBER STD-1100



4640 TRUEMAN BLVD  
HILLIARD, OH 43026

DRAWN BY:	HAK
DATE:	01/17/24
OK'S BY:	ENG
SCALE:	NTS
SHEET:	1