

Inserta Tee[®]

Lateral Connection



Inserta Tee

Inserta Tee is a three-piece service connection consisting of a PVC hub, rubber sleeve and stainless steel band. Inserta Tee is compression fit into the cored wall of a mainline and requires no special tooling. Inserta Tees are designed to connect 2"-24" (50-600 mm) laterals to all known solid wall, profile, closed profile, corrugated pipe and manhole structures manufactured today.

Inserta Tee for new & rehab installations:

- Reduction in labor hours and pipe materials
- Services connected where needed
- No need to disturb backfill
- Fits all gravity flow pipe and manholes
- Matches pipe's internal radius for minimal penetration

Inserta Tee eliminates the need for:

- Glues, epoxies and grout
- Re-tightening of bands around mainline
- Awkward gaskets

When sliplining, pipe bursting and relining, Inserta Tee allows the following:

- Simple installation doesn't require special equipment
- For pipe bursting the connection is made directly into solid wall HDPE pipe

*Inserta Tee construction varies with pipe type and size.
For pipe not listed, contact our engineering department.*



Rubber Sleeve



Stainless Steel Band



Gasketed PVC Hub



Inserta Tee OneFit®

OneFit is an Inserta Tee with an adjustable rubber sleeve that will fit any mainline pipe.

- **Same great performance**
reliable, a fitting you can count on
- **Saves time**
fast and efficient installation
- **Saves money**
lower material and labor costs

Applications for OneFit

- | | |
|---------------------------|------------------------|
| • Roof drain leaders | • Storm sewers |
| • Structures | • Retention/Detention |
| • Irrigation/Agriculture | • All pipe types |
| • Nyloplast® drain basins | • Fiberlass manholes |
| • Municipal repair/rehab | • Rainwater harvesting |

More information on OneFit can be found at adsonefit.com.

Inserta Tee Lateral Connection



Inserta Tee OneFit

Inserta Tee and Inserta Tee OneFit Applications

Inserta Tees can be utilized on a wide variety of projects, including the following:

- Storm sewers
- Sanitary sewers
- Pipe bursting (HDPE/PVC)
- Sliplining
- Fold-and-formed products
- Cured-in-place products
- Manholes
- Wet wells
- Drainage
- Irrigation
- Catch basins
- Electrical Vaults



Storm Sewer

Inserta Tee Hole Saws

Diamond Bits

Our diamond bits are of the highest quality to ensure maximum holes per bit. Diamond bits are recommended for concrete, clay, fiberglass and ductile iron.

Hole Saws

Our specially designed hole saws allow the user to core fast, smooth and clean holes.



Hole Saws

Inserta Tee Size	Hole Saw Size
2" (50 mm)	2 ⁵ / ₈ " (67 mm)
3" (75 mm)	3 ³ / ₄ " (95 mm)
4" (100 mm)	4 ¹ / ₂ " (114 mm)
6" (150 mm)	6 ¹ / ₂ " (165 mm)
8" (200 mm)	8 ³ / ₄ " (222 mm)
10" (250 mm)	10 ⁷ / ₈ " (276 mm)
12" (300 mm)	12 ⁷ / ₈ " (327 mm)
15" (375 mm)	15 ¹³ / ₁₆ " (402 mm)
18" (450 mm)	19 ³ / ₁₆ " (503 mm)
21" (525 mm)	22 ⁹ / ₁₆ " (573 mm)
24" (600 mm)	25 ⁵ / ₁₆ " (643 mm)

Inserta Tee Product Specification

Scope

This specification describes 2"-24" (50 to 600 mm) Inserta Tee service connections for use in gravity-flow sewer and drainage applications.

Product Requirements

Inserta Tee service connections shall consist of a PVC hub, rubber sleeve and stainless steel band. Connections 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 made from minimum 301 grade steel. Rubber sleeve and gasket, when applicable, shall meet the requirements of ASTM F477. Gaskets shall be installed by the manufacturer. The water-based solution provided the manufacturer shall be used during assembly. Do NOT use pipe lube.

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) and IPS/Sch40 (gasketed bell).

Joint Performance

Inserta Tee includes a watertight bell connection meeting the requirements of ASTM D3212 and F2946.

Field Pipe and Joint Performance

To assure watertightness, field performance verification may be accomplished by testing in accordance with ASTM F2487, ASTM C969 or ASTM F1417*. Appropriate safety precautions must be used when field testing any pipe material. Contact the manufacturer for recommended leakage rates.

Build America, Buy America (BABA)

ADS Inserta Tee lateral connection, manufactured in accordance with ASTM F477, complies with the requirements in the Build America, Buy America (BABA) Act.

Installation

Installation shall be in accordance with manufacturer's recommended installation guidelines. 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. Contact your local representative or visit the website at www.adspipe.com for a copy of the latest installation guidelines.



Visit our website at **adspipe.com** for specifications (CAD or PDF), application details and our installation video, which may also be accessed by clicking on the QR code.

Product configuration & availability subject to change without notice.
Product detail may differ slightly from actual product appearance.

**Contact your local sales representative for acceptable watertight applications. Not all applications are standard and some may require additional technical assistance.*

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