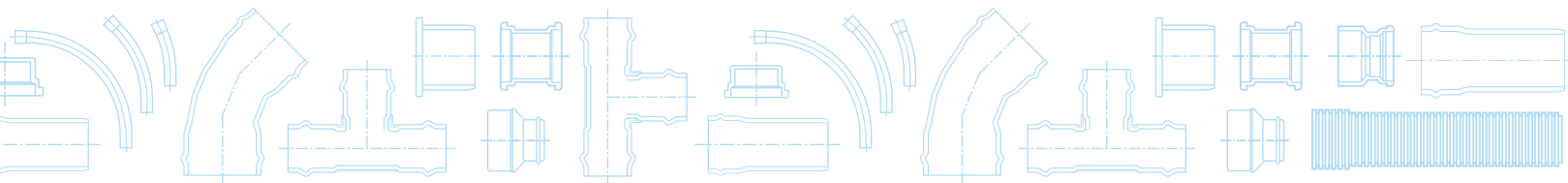


Inserta-Tees[®] (Fittings)

To connect services to new or existing sewer lines.





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About the Inserta-Tees® Fittings

Royal Building Products® Municipal Solutions supply the Inserta-Tees® for use on SDR and Kor-Flo® PVC Sewer pipe as service connections. Their contoured hub provides a built-in-stop which greatly simplifies insertion of the sewer stub into the boot on the mainline.

Inserta-Tees® are a three piece service connection fitting that consists of PVC hub adapter, rubber sleeve and a stainless steel band. The fitting creates a compression fit into a cored wall of the mainline pipe allowing services to be connected. Inserta-Tees® create a watertight seal without the hassle of using grout, glues or epoxies.

Over-insertion of the stub into the boot has long been a concern when using Inserta-Tees®. The new contoured bottom of the stub bell provides even contact around the entry "saddle-shaped" opening into the host mainline pipe, so that it is impossible to over-insert. This design is referred to as the "Fat Boy" Inserta-Tee.



Inserta-Tees® can connect 100mm - 375mm (4" - 15") services to any type of solid wall or profile sewer pipe on the market, including concrete pipe. Along with SDR35 and Kor-Flo®, they are also made to fit Ultra-Rib and Concrete/Clay mainline pipe. For SDR35, there are some size groupings; for other mainlines, Kor-Flo®, Ultra-Rib and Concrete/Clay, specific, individual units are made.

Advantages of the Inserta-Tees® Fittings:

- For use on SDR & Kor-Flo® Sewer pipe as service connections.
- Provides a built-in stop.
- Greatly simplifies insertion of the sewer stub.
- New contoured stub bell bottom available in 100mm - 150mm (4" - 6").
- Services are connected where they need to be connected.
- Easier grading of mainline pipe.
- Tapping existing lines without disturbing the bedding.
- No need to dig completely around pipe, disturbing the bedding.
- Available in 100mm - 375mm (4" - 15").

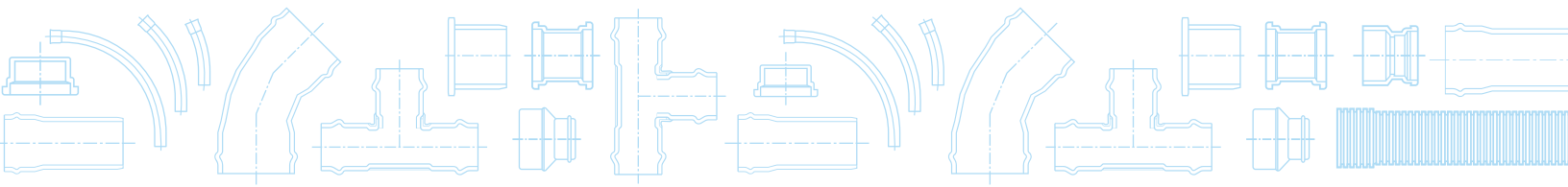


See below for the step by step process:

Step 1 - Core the proper size hole for the Inserta-Tee in the mainline pipe. See the table on the next page for proper size.



Step 2 - Insert the rubber sleeve into the cored hole with the YELLOW line facing to the side of the mainline pipe. The upper segment should be on top of the wall and the lower segment inside the mainline pipe.



Step 3 - Apply a soap solution to the inside of the rubber sleeve and the outside of the PVC hub adapter. Caution: Do not use pipe lubricant, the hub adapter will not stay in place.



Step 4 - Place the PVC hub adapter into the rubber sleeve. Align the RED line on the adapter with the YELLOW line on the rubber sleeve.



Step 5 - Place a 2 x 4 board on top of the PVC hub adapter and tap the adapter down into the rubber sleeve. Push the adapter into the rubber sleeve until the HORIZONTAL GREY PVC line on the hub aligns with the edge of the rubber sleeve.



Step 6 - Place the stainless steel band around the top of the rubber sleeve and tighten down.



Step 7 - Install lateral connection pipe in the normal manner.



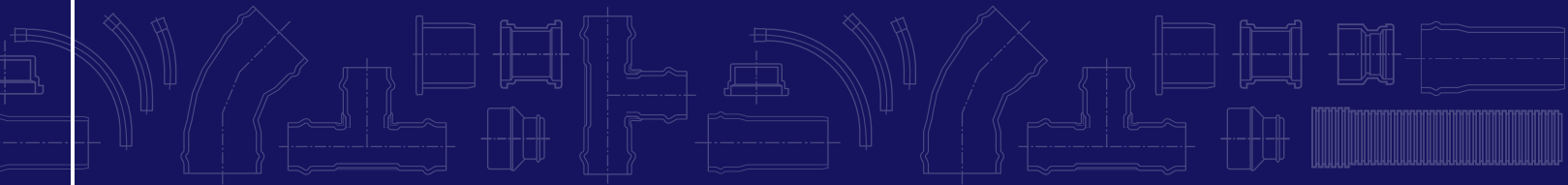
For the Contractor and the Municipal engineer, the Inserta-Tees® Fittings provides the peace-of-mind they require for their municipal sewer applications.

Certifications

Inserta-Tee® Fittings generally conform to ASTM D3034, F1336 and F477.



Inserta-Tee® Nominal Size mm (in)	Inserta-Tee® Hole Diameter mm (in)
100 (4)	112.5 (4½)
150 (6)	162.5 (6½)
200 (8)	218.8 (8¾)
250 (10)	271.9 (10⅞)
300 (12)	321.9 (12⅞)
375 (15)	395.3 (15⅜)



Our various pipe and fittings solutions have been manufactured to meet the needs of our customers and their applications. Contact one of the below Sales Centres for more information:

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- Electrical Pipe & Fittings Solutions
- Industrial Pipe & Fittings Solutions
- Irrigation Pipe & Fittings Solutions

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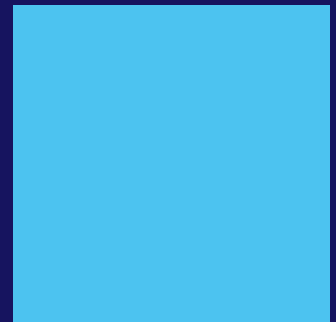
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