



# Specification for Connection to Mainline Pipe

## **INSERTA TEE®**

“Connection of the new service lateral\* to the mainline shall be accomplished by means of a compression-fit service connection. The service connection shall be specifically designed for connection to the sewer main being installed, and shall be INSERTA TEE® as manufactured by INSERTA FITTINGS Co., Hillsboro, Oregon, Telephone (503) 357-2110; Fax (503) 359-5417; or approved equal. Install using procedures and equipment as referenced in manufacturer’s written installation instructions.”



*\* Types available for all mainlines*

<b>PART NO.</b>	<b>TYPES</b>	<b>GASKETED BELL SDR 35</b>	<b>GASKETED BELL IPS/SCH 40</b>
1	PVC Hub	ASTM D3034 SDR 35	ASTM D3034 SDR 26
2	Gasket	ASTM F477	ASTM F477
3	Band	301 SS	301 SS
3	Screw	305 SS	305 SS
3	Housing	301 SS	301 SS
4	Rubber Sleeve	ASTM C443	ASTM C443

## INSERTA TEE INSTALLATION INSTRUCTIONS

U.S. Pat. No. 4365829 Canadian Pat. No. 1171114

Use **Hole Saw Core Bits** for **PVC, Ribbed** and **Polyethylene** pipe.

Use **Diamond Core Bits** for **Concrete, Clay, Ductile Iron** and **Fiberglass** pipe.

### Tools required:

1. Hand held drill with hole saws recommended for 4", 6" & 8" INSERTA TEEs. Tie down Coring Machine recommended for 10" & 12" INSERTA TEEs. and **ALL Diamond Bits.**

2. Bits	INSERTA TEE size	Bit (Hole) Diameter
	4" (100mm) .....	4 1/2" (112.5mm)
	6" (150mm) .....	6 1/2" (162.5mm)
	8" (200mm) .....	8 3/4" (218.8mm)
	10" (250mm) .....	10 7/8" (271.9mm)
	12" (300mm) .....	12 7/8" (321.9mm)
	15" (375mm) .....	15 13/16" (395.3mm)

3. 6 lbs (2.7kg) hammer and 2" (50mm) x 4" (100mm) board. 4" (100mm) x 4" (100mm) on 15"

4. Bottle of INSERTA TEE solution supplied with order.

### INSTALLATION PROCEDURE

1. Core the proper size hole. See Bit Diameters listed above.

2. Insert the rubber sleeve into the cored hole with the **GOLD VERTICAL LINE ON THE RUBBER SLEEVE** facing to the side of the mainline. The upper segment should be on top of the wall or rib and the lower segment (PVC, Ribbed & Polyethylene pipe only) should be on the inside of the pipe.

3. Apply the INSERTA TEE solution supplied to the inside of the rubber sleeve and to the outside of the PVC hub adapter. **CAUTION!** Using pipe lub may result in Hub adapter popping out!

4. Place the PVC hub adapter into the rubber sleeve. Make sure that the **RED VERTICAL LINE ON THE PVC HUB ADAPTER IS IN LINE WITH THE GOLD VERTICAL LINE ON THE RUBBER SLEEVE.**

5. Place the 2 x 4 board onto the top of the PVC hub adapter.

6. The **RED HORIZONTAL LINE AT THE TOP OF THE HUB ADAPTER** is a **depth mark**. This tells the installer just how far to drive the adapter into the rubber sleeve. Using the board and hammer drive the PVC hub adapter into the rubber sleeve to where the **HORIZONTAL RED LINE ON THE PVC HUB ADAPTER MEETS THE TOP OF THE RUBBER SLEEVE.**

7. Place the stainless band around the top of the rubber sleeve and tighten down.

8. Install side service pipe in normal manner.

INSERTA FITTINGS CO. PO BOX 767, HILLSBORO, OREGON 97123 USA

Phone: (503) 357 2110 Fax: (503) 359 5417

© 1991 Fowler Mfg. Co. All Rights Reserved