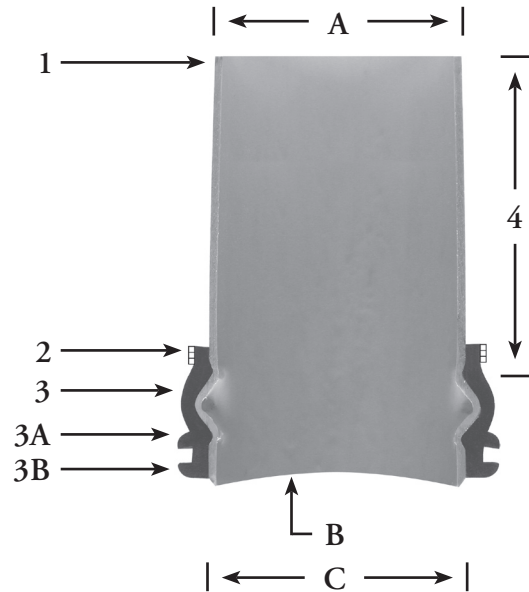


# INSERTA TEE® SPECIFICATIONS

## SDR35 SWR Spigot x Spigot Gravity Applications

- A Spigot end #1 will have the O.D. of ASTM 3034 SDR35 SWR 4", 6", 8", 10", 12", 15". Designed to work with couplers for applications that cannot use the standard INSERTA TEE.
- B Curvature varies with mainline diameters
- C Spigot end #2 PVC SDR35, ASTM D 3034 - Diameters: 4", 6", 8", 10", 12", 15" sizes



PART NO.	PART NAME	MATERIALS
1	Hub Adaptor	ASTM D 3034 SDR35 PVC
2	Securing Clamp*	Band SS #301 Screw SS #305 Housing SS #301
3	Rubber Sleeve 3A** Upper Segment 3B*** Lower Segment	ASTM F 477
*	Optional: #316 Stainless Steel band, screw and housing	
**	Distance between 3A and 3B will vary by product type	
***	Will not appear on rubber sleeves for concrete or clay pipe	
4	May vary by customer application Nominal 5.5"	

INSERTA TEE SIZE	HOLE DIAMETER
4" (100 mm)	4 1/2" (112.5 mm)
6" (150 mm)	6 1/2" (162.5 mm)
8" (200 mm)	8 3/4" (218.8 mm)
10" (250 mm)	10 7/8" (271.9 mm)
12" (300 mm)	12 7/8" (321.8 mm)
15" (375 mm)	15 13/16" (395.3 mm)

Note: Recommended method of cutting hole is with hole saw for PVC and polyethylene, and diamond bit for concretes, clay and D.I.  
(See Installation Instructions)



# INSERTA TEE® INSTALLATION INSTRUCTIONS

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

**Use Standard Hole Saw for PVC (solidwall, profile and closed profile) and corrugated polyethylene mainlines.**

**Use Poly Hole Saw for solidwall polyethylene mainlines.**

**Use Diamond Core Bits for concrete, clay, ductile iron and fiberglass mainlines.**

## Tools required:

1. Hand held drill with hole saws recommended for 4", 6" & 8" INSERTA TEES. Tie down Coring Machine recommended for 10", 12" & 15" INSERTA TEES and **ALL** Diamond Bits.

Bits	INSERTA TEE size	Bit(Hole) Diameter
	4" (100mm).....	4 1/2" (114.3mm)
	6" (150mm).....	6 1/2" (165.1mm)
	8" (200mm).....	8 3/4" (222.3mm)
	10" (250mm).....	10 7/8" (276.4mm)
	12" (300mm).....	12 7/8" (327.2mm)
	15" (375mm).....	15 13/16" (401.6mm)

3. 8 lb (3.6kg) hammer and 2" (50mm) x 4" (100mm) board. 4" (100mm) x 4" (100mm) on 15"

4. Bottle of INSERTA TEE solution 16 oz or 8 oz supplied with order.  
(16 oz of water to 1 tablespoon of liquid soap)

## INSTALLATION PROCEDURE\*

1. See Bit Diameters listed above. Make sure bit is perpendicular to mainline. Core proper size hole. Feel inside hole and clear any remaining material.

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 should be on the inside of the pipe. Feel inside to be sure lower segment is flat against inside wall.

3. Apply the INSERTA TEE solution supplied to the inside of the rubber sleeve and to the outside of the PVC hub adapter's spigot. **WARNING! Using pipe lube** 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**. Push hub adapter in as far as possible by hand. Make sure hub adapter is perpendicular to mainline. Forcing hub adapter through at an angle may cause damage to rubber sleeve or hub adapter.

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.

**\* Do not install below spring line.**

**\* CIPP & FFP installations**--remove clay/concrete from area where connection is to occur. Next go to "Installation Procedure."

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