

**ORDINARY DEVICES**

Shadow created by  
fixed bracket legs

**SMOOTH DRIVE**

Walking diffuser  
eliminates leg shadow



Ordinary rotating sprinklers have stationary legs that block water and create leg shadows. The Smooth Drive's walking diffuser eliminates bracket leg shadows resulting in unobstructed, uniform distribution.

Senninger's Smooth Drive is designed for under-tree, open-field and nursery irrigation. Its unique "walking diffuser" helps deliver an extremely uniform pattern that prevents dry areas caused by distortion from bracket legs.

**FEATURES**

- Low Angle model ideal for under-tree (white base)
- High Angle model ideal for open-field (black base)
- Precision-contoured deflector provides greater throw and enhanced distribution
- Advanced braking mechanism for smooth, consistent rotation speed and minimal riser stress
- No tools required for accessing nozzle
- Flow rates: 1.34 to 2.79 gpm (304 to 634 L/hr)
- Operating pressures: 25 to 40 psi (1.72 to 2.76 bar)
- Connections: ½" NPT male  
½" socket x ¾" socket x 1" spigot  
20 mm socket x 25 mm socket
- Solvent-weld base for theft resistance
- Two-year warranty on materials, workmanship and performance
- Color-coded nozzles for easy size identification. Warranted to maintain correct orifice size for five years

**TWO MODELS**

LA model (White)



HA model (Black)



See Inlet connection  
options in features

**SPRINKLER BASE  
PRESSURE-US**

|                                    | psi  |      |      |      |                                       | bar  |      |      |      |
|------------------------------------|------|------|------|------|---------------------------------------|------|------|------|------|
|                                    | 25   | 30   | 35   | 40   |                                       | 1.72 | 2.07 | 2.41 | 2.76 |
| <b>#6 Nozzle - Gold (3/32")</b>    |      |      |      |      | <b>#6 Nozzle - Gold (2.38 mm)</b>     |      |      |      |      |
| Flow (gpm)                         | -    | 1.34 | 1.45 | 1.55 | Flow (L/hr)                           | -    | 304  | 329  | 352  |
| LA Diameter at 1.5 ft ht (ft)      | -    | 65   | 67   | 68   | LA Diameter at 0.46 m ht (m)          | -    | 19.8 | 20.4 | 20.7 |
| HA Diameter at 1.5 ft ht (ft)      | -    | 68   | 70   | 72   | HA Diameter at 0.46 m ht (m)          | -    | 20.7 | 21.3 | 21.9 |
| <b>#7 Nozzle - Lime (7/64")</b>    |      |      |      |      | <b>#7 Nozzle - Lime (2.78 mm)</b>     |      |      |      |      |
| Flow (gpm)                         | 1.68 | 1.84 | 1.99 | 2.12 | Flow (L/hr)                           | 382  | 418  | 452  | 482  |
| LA Diameter at 1.5 ft ht (ft)      | 63   | 67   | 68   | 69   | LA Diameter at 0.46 m ht (m)          | 19.2 | 20.4 | 20.7 | 21.0 |
| HA Diameter at 1.5 ft ht (ft)      | 67   | 72   | 74   | 77   | HA Diameter at 0.46 m ht (m)          | 20.4 | 21.9 | 22.6 | 23.8 |
| <b>#8 Nozzle - Lavender (1/8")</b> |      |      |      |      | <b>#8 Nozzle - Lavender (3.18 mm)</b> |      |      |      |      |
| Flow (gpm)                         | 2.21 | 2.42 | 2.62 | 2.79 | Flow (L/hr)                           | 502  | 550  | 595  | 634  |
| LA Diameter at 1.5 ft ht (ft)      | 65   | 68   | 69   | 71   | LA Diameter at 0.46 m ht (m)          | 19.8 | 20.7 | 21.0 | 21.6 |
| HA Diameter at 1.5 ft ht (ft)      | 70   | 74   | 77   | 78   | HA Diameter at 0.46 m ht (m)          | 21.3 | 22.6 | 23.5 | 23.8 |

Sprinkler performance may vary with actual field conditions. Minimum recommended height is 1.5 ft (0.46 m).























# Riser Adapter Assemblies

Senninger Riser Adapter Assemblies make irrigating easier in hard to reach places and is ideal for temporary and portable systems. They are connected to the laterals allowing the sprinklers on each to be repositioned as needed.





## FEATURES



- ▶ No gluing or fusing required
- ▶ Suitable for sprinkler or spray nozzles with a ½" NPT male base connection
- ▶ Components available for 0.345" and 0.270" PE tubing
- ▶ Riser adapter suitable for the 14" or 26" Riser Stakes as well as ½" PVC, ¾" PVC, or ⅝" steel rod



## COMPONENTS

| LOWER FLOWS<br>(Use with 0.270" tubing)   |   | HIGHER FLOWS<br>(Use with 0.345" tubing)  |  |   |   |
|---|---|---|--|---|---|
| RSASM2TC3QCA  | RSASM23C3   | RSASM24C3QCA2T  | RSASM24C3QCA3T   | RSASM24C3   | RSASM24C4   |
| <b>RSAD2T</b><br>(QUICKCONNECT)<br>½" F x #2 Taper<br>   | <b>RSAD270</b><br>½" F x 0.270" Tubing<br>                           | <b>RSAD345</b><br>½" F x 0.345" Tubing<br>               | <b>RSAD345</b><br>½" F x 0.345" Tubing<br>                | <b>RSAD345</b><br>½" F x 0.345" Tubing<br>                             | <b>RSAD345</b><br>½" F x 0.345" Tubing<br>                             |
| <b>FTA1B2T</b><br>0.270" Super Barb x #2 Taper<br>       |   |   |  |   |   |
| <b>TU1ST3</b><br>3 ft (0.9 m) 0.270" I.D.<br>           | <b>TU1ST3</b><br>3 ft (0.9 m) 0.270" I.D.<br>                       | <b>TU15ST3</b><br>3 ft (0.9 m) 0.345" I.D.<br>          | <b>TU15ST3</b><br>3 ft (0.9 m) 0.345" I.D.<br>          | <b>TU15ST3</b><br>3 ft (0.9 m) 0.345" I.D.<br>                        | <b>TU15ST4</b><br>4 ft (1.2 m) 0.345" I.D.<br>                        |
| <b>FTA1B2T</b><br>0.270" Super Barb x #2 Taper*<br>    | <b>FTA1B1B</b><br>0.270" Super Barb x Hose Barb Insert Adapter<br> | <b>FTA15B2T</b><br>0.345" Super Barb x #2 Taper*<br>   | <b>FTA15B3T</b><br>0.345" Super Barb x #3 Taper**<br>  | <b>FTA15B15B</b><br>0.345" Super Barb x Hose Barb Insert Adapter<br> | <b>FTA15B15B</b><br>0.345" Super Barb x Hose Barb Insert Adapter<br> |
| <b>FTHS2T</b><br>Winged Hose Barb Bushing #2 Taper<br> |   | <b>FTHS2T</b><br>Winged Hose Barb Bushing #2 Taper<br> | <b>FTHS3T</b><br>Winged Hose Barb Bushing #3 Taper<br> |   |   |

Friction loss through the entire assembly: - including 3 ft (0.9 m) of 0.270" ID PE tubing - is 6.3 psi at 2.0 gpm (0.43 bar at 454 L/hr) - including 3 ft (0.9 m) of 0.345" ID PE tubing - is 1.7 psi at 2.0 gpm (0.117 bar at 454 L/hr).  
Contact technical support for friction loss on flows greater than 2 gpm (454 L/hr) or tubing lengths greater than 3 ft (0.9 m).

| #2 TAPER   |  | #3 TAPER  |   |
|--|--|---|---|
| <b>FT4HSC2T</b><br>Barb Bushing Clamp for 1" Hose #2 Taper*<br> | <b>FT1M2T</b><br>Winged ¼" M NPT Threaded Bushing #2 Taper*<br> | <b>FTPLUG2T</b><br>#2 Taper* (Red)<br> | <b>FTPLUG3T</b><br>#3 Taper** (Maroon)<br> |

| GREEN PUNCH   | RED PUNCH  |
|---|--|
| <b>TUPTAP4I</b> - for use w/ FTA1B1B<br> | <b>TUPTAP5I</b> - for use w/ FTA15B15B, FTHS2T, FTHS3T, FT1M2T, FT4HSC2T<br> |

| RSST26   | RSST14   |
|--|--|
| <b>Riser Stake 26"</b><br>Connection for Riser Adapter or barbed base micro-sprinkler into tubing (0.25", 0.270", or 8mm)<br> | <b>Riser Stake 14"</b><br>Connection for Riser Adapter or barbed base micro-sprinkler into tubing (0.25", 0.270", or 8mm)<br> |