

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
#6 Nozzle - Gold (3/32")					#6 Nozzle - Gold (2.38 mm)				
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
#7 Nozzle - Lime (7/64")					#7 Nozzle - Lime (2.78 mm)				
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
#8 Nozzle - Lavender (1/8")					#8 Nozzle - Lavender (3.18 mm)				
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

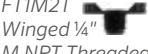
Senninger Riser Adapter Assemblies make irrigating easier in hard to reach places and is ideal for temporary and portable systems. They are connected to the laterals allowing the sprinklers on each to be repositioned as needed.

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

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

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	
FT4HSC2T Barb Bushing Clamp for 1" Hose #2 Taper* 	FT1M2T Winged ¼" M NPT Threaded Bushing #2 Taper* 	FTPLUG2T #2 Taper* (Red) 	FTPLUG3T #3 Taper** (Maroon) 

GREEN PUNCH	RED PUNCH
TUPTAP4I - for use w/ FTA1B1B 	TUPTAP5I - for use w/ FTA15B15B, FTHS2T, FTHS3T, FT1M2T, FT4HSC2T 

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