

Smooth Drive™

The Senninger® 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.



**LOW
ANGLE**

**HIGH
ANGLE**

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: 1/2" male NPT, 1/2" socket x 3/4" socket x 1" spigot, and 20 mm socket x 25 mm socket
- Solvent-weld base for theft resistance

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.

SPRINKLER INLET PRESSURE-US	psi				SPRINKLER INLET PRESSURE-METRIC	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).

TWO MODELS

LA model (White)



HA model (Black)



See Connections
listed in Features