

SmoothDrive™ [Non-Impact





HA 23° model

Senninger's new Smooth Drive is designed for under-tree, open-field and nursery irrigation. Its unique "walking diffuser" helps deliver an extremely uniform pattern, without distortion from bracket legs.

FEATURES:

- Low Angle (LA) 14° model is ideal for undertree (white base)
- High Angle (HA) 23° model is 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
- Rugged design stands up in harsh field conditions
- User friendly method of assembly no tools required for accessing nozzle
- Flow rates: 1.22 to 2.79 gpm [277 to 634 L/hr]
- Operating pressures: 25 to 40 psi [1.72 to 2.76 bar]
- Standard Inlet: 1/2" M NPT; Optional Inlet: Combination 1/2" socket and 3/4" spigot, 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



Ordinary Devices	Smooth Drive
	
Shadows created by fixed bracket legs	Walking diffuser eliminates leg shadows
<p>Ordinary rotating sprinklers have stationary legs that block water and create leg shadows (drier areas). The Smooth Drive's walking diffuser eliminates bracket leg shadows resulting in unobstructed uniform distribution.</p>	

Smooth Drive

Sprinkler Base Pressure [psi]	25	30	35	40	[bar]	1.72	2.07	2.41	2.76
#6 Nozzle - Gold [3/32"]					#6 Nozzle - Gold [2.38 mm]				
Flow [gpm]	1.22	1.34	1.45	1.55	Flow [L/hr]	277	304	329	352
LA Diam. at 1.5' ht. [ft.]	60.6	62.4	64.0	65.1	LA Diam. at 0.46 m ht. [m]	18.5	19.0	19.5	19.8
HA Diam. at 1.5' ht. [ft.]	61.8	64.4	66.5	68.2	HA Diam. at 0.46 m ht. [m]	18.8	19.6	20.3	20.8
#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 Diam. at 1.5' ht. [ft.]	62.4	64.1	65.7	66.8	LA Diam. at 0.46 m ht. [m]	19.0	19.5	20.0	20.4
HA Diam. at 1.5' ht. [ft.]	65.8	68.5	70.6	72.4	HA Diam. at 0.46 m ht. [m]	20.1	20.9	21.5	22.1
#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 Diam. at 1.5' ht. [ft.]	63.9	65.7	67.3	68.6	LA Diam. at 0.46 m ht. [m]	19.5	20.0	20.5	20.9
HA Diam. at 1.5' ht. [ft.]	70.4	72.7	74.8	76.0	HA Diam. at 0.46 m ht. [m]	21.5	22.2	22.8	23.2

Sprinkler performance may vary with actual field conditions. Other sizes are available; consult factory for specific performance data. Minimum recommended height is 1.5 ft. [0.46 m].