



- 01 **Advanced braking mechanism** for smooth, consistent rotation speed and minimal riser stress
- 02 **Precision-contoured deflector** provides greater throw and enhanced distribution
- 03 **Flows:** 304 to 634 L/hr
- 04 Solvent-weld base for **theft resistance**
- 05 **No tools required** for accessing nozzle

## SMOOTH DRIVE™

### LOW-ANGLE & HIGH-ANGLE

The 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)
- Operating pressures: 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
- Two-year warranty on materials, workmanship and performance
- Color-coded nozzles for easy size identification. Warranted to maintain correct orifice size for five years



LOW-ANGLE

HIGH-ANGLE

# SMOOTH DRIVE LOW-ANGLE AND HIGH-ANGLE

## Performance

SMOOTH DRIVE DESIGN CRITERIA	bar			
	1,72	2,07	2,41	2,76
<b>#6 Nozzle - Gold (2,38 mm)</b>				
Flow (L/hr)	-	304	329	352
LA Diameter at 0,46 m ht (m)	-	19,8	20,4	20,7
HA Diameter at 0,46 m ht (m)	-	20,7	21,3	21,9
<b>#7 Nozzle - Lime (2,78 mm)</b>				
Flow (L/hr)	382	418	452	482
LA Diameter at 0,46 m ht (m)	19,2	20,4	20,7	21,0
HA Diameter at 0,46 m ht (m)	20,4	21,9	22,6	23,8
<b>#8 Nozzle - Lavender (3,18 mm)</b>				
Flow (L/hr)	502	550	595	634
LA Diameter at 0,46 m ht (m)	19,8	20,7	21,0	21,6
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 0,46 m.

## Distribution

### ORDINARY DEVICES

Shadow created by fixed bracket legs



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.

### SMOOTH DRIVE

Walking diffuser eliminates leg shadow



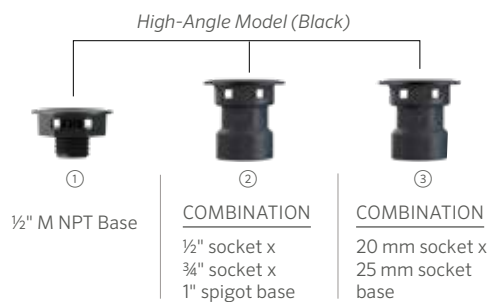
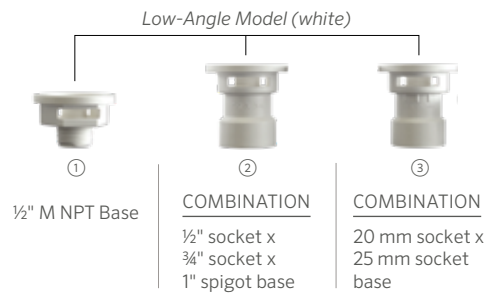
## Models

MODEL NUMBER	DESCRIPTION
SD2214M2Mxxx	½" M NPT (white) low-angle (complete), select #06 - 08 nozzle
SD2214M234Sxxx	½" socket x ¾" socket x 1" spigot (white) low-angle (complete), select #06 - 08 nozzle
SD2214M20X25MMSxxx	20 mm socket x 25 mm socket (white) low-angle (complete), select #06 - 08 nozzle
SD2223M2Mxxx	½" M NPT (black) high-angle (complete), select #06 - 08 nozzle
SD2223M234Sxxx	½" socket x ¾" socket x 1" spigot (black) high-angle (complete), select #06 - 08 nozzle
SD2223M20X25MMSxxx	20 mm socket x 25 mm socket (black) high-angle (complete), select #06 - 08 nozzle
FTASDX3MS	Fitting: Smooth Drive x ¾" M Slip Adapter

Add the nozzle number to replace xxx for the complete part number. For example, SD2214M2M070 is a Smooth Drive with a number #7 nozzle.

## Base Connections

### TWO MODELS



Website [senninger.com](http://senninger.com) | Customer Support +1-407-877-5655

The Senninger commitment to world-class products, local support and technical expertise ensure we provide the most efficient and reliable agricultural irrigation solutions available in the world today.

*Steve Abernethy*

Steve Abernethy, President of Senninger Irrigation