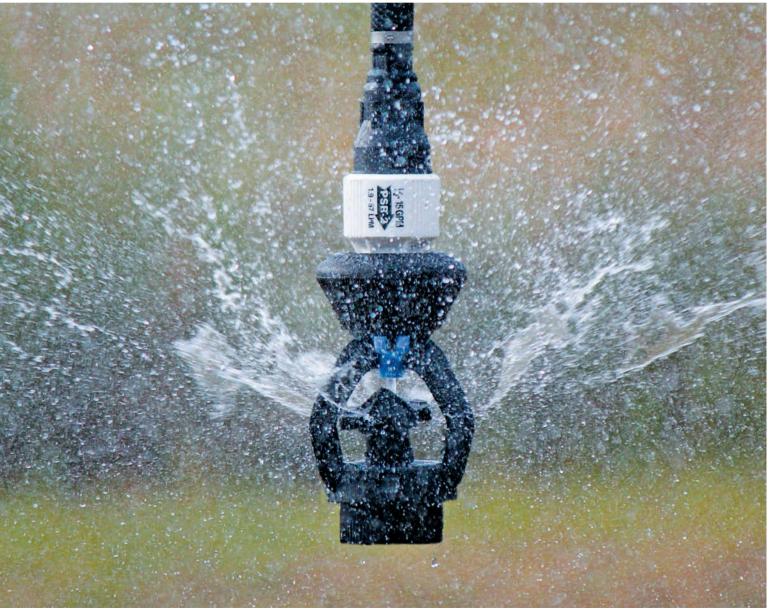
Senninger[®]

XI-WOBTM

Wobbler® Technology for Semi-Rigid Drops

AGRICULTURAL IRRIGATION
Low Pressure - High Performance™



THE BENEFITS OF WOBBLER® TECHNOLOGY ON SEMI-RIGID DROPS

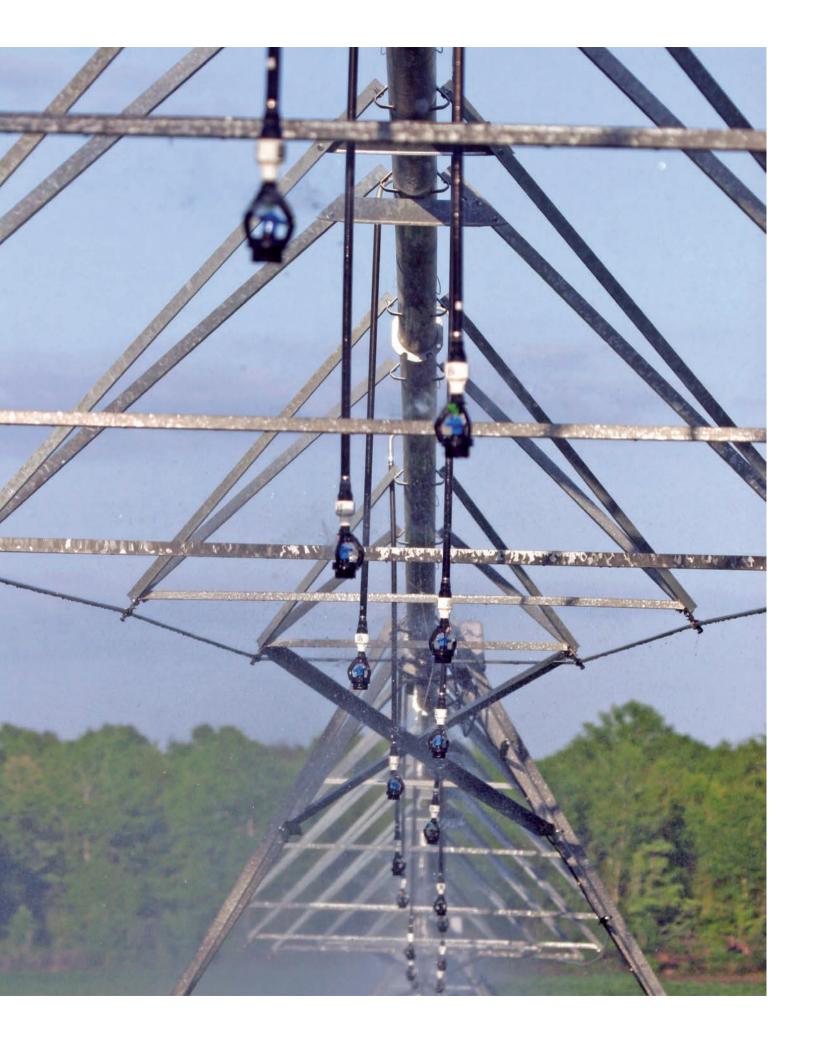
Outstanding Uniformity and gentle rain-like application.

The Senninger Xi-Wob™ uses Wobbler technology for low application intensity with an outstanding uniformity over a large area of coverage at low pressures. This means water and energy savings for

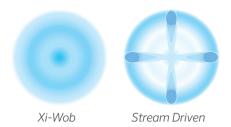
the grower. The patented counter-balance design combines with Wobbler technology, making it ideal for installations on semi-rigid steel or even flexible hose drops when used with a Senninger weight.

Features

- \bigcirc Low pressure operation saves energy: 10 to 15 psi (0.69 to 1.03 bar)
- ② Four different deflector models, including top-of-pipe, based on trajectory and droplet size
- ③ UP3 Nozzle is easy to remove for cleaning or changing
- 4 Two-year warranty on materials, workmanship and performance



INSTANTANEOUS AREA OF COVERAGE



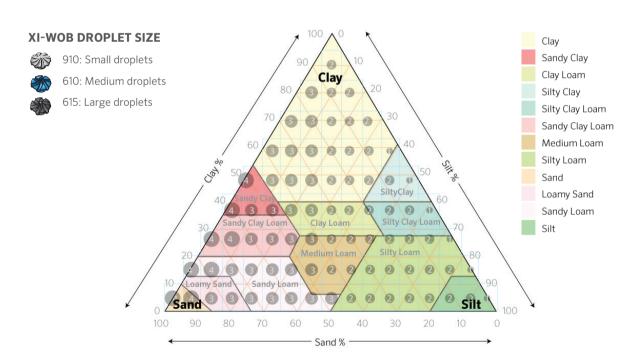
In this example, the Xi-Wob is instantaneously spreading the same amount of water over an area five times greater than the area covered by the spray nozzle.

LOW APPLICATION INTENSITY

Stream-driven applicators provide good throw distance, but their distinct streams instantaneously place the entire flow in a relatively small area. This more intense application can negatively impact the soil surface. In contrast, the Xi-Wob^TM applies water to a larger area of soil surface, reducing the impact of the sprinkler's pattern on the soil structure. Larger instantaneous coverage offers a slower intake rate to help reduce runoff and wheel tracking.

UNMATCHED UNIFORMITY

The Xi-Wob offers a gentle, more uniform delivery and an even droplet size. Consistently-sized droplets help maintain a sprinkler's pattern integrity in wind conditions and are more resistant to evaporation. The Xi-Wob's droplet size can be tailored to the needs of the soil through the selection of proper deflectors and operating pressures.



DROPLET SIZE NEEDED FOR TYPE OF SOIL

Sprinklers are designed to produce a desired droplet size, although there isn't a definitive procedure for determining the appropriate droplet size. Soils are susceptible to surface sealing that will result in reduction of the infiltration rate. The reduction depends on the percentages of silt and sand and the droplet size. Soils low in silt and high in sand are more resistant to infiltration reduction. The graphic above shows the relative resistance of soils to surface sealing on a scale of 1 to 4, where 4 is most resistant. The larger the number, the larger the droplet size can be on that soil type.

Excerpt: Von Bernuth, R.D. and J.R. Gilley. 1985. Evaluation of center pivot reduction. Trans. ASAE 28(6): 1940-1946.







THREE DEFLECTORS

The Xi-Wob™ is available with three different deflectors. This allows you to select the droplet size and trajectory to best suit your installation, soil and crop needs.







XI-WOB DESIGN CRITERIA	Model 610 (Blue) 6-Groove 10° Trajectory Medium Droplets	Model 615 (Black) 6-Groove 15° Trajectory Large Droplets	Model 910 (Grey) 9-Groove 10º Trajectory Smaller Droplets		
Nozzle sizes					
Minimum	#7 7/64" (2.78 mm)	#10 5/32" (3.97 mm)	#10 5/32" (3.97 mm) #24 3/8" (9.53 mm)		
Maximum*	#24 3/8" (9.53 mm)	#24 3/8" (9.53 mm)			
Flows					
Minimum	1.09 gpm (248 L/hr)	2.24 gpm (509 L/hr)	2.24 gpm (509 L/hr)		
Maximum	15.78 gpm (3584 L/hr)	15.78 gpm (3584 L/hr)	15.78 gpm (3584 L/hr)		
Diameters					
Minimum at 3 ft (0.91 m)	30 ft (9.1 m)	38 ft (11.6 m)	33 ft (10.1 m)		
Maximum at 3 ft (0.91 m)	41 ft (12.5 m)	43 ft (13.1 m)	36 ft (11.0 m)		
Minimum at 6 ft (1.83 m)	35 ft (10.7 m)	43 ft (13.1 m)	38 ft (11.6 m)		
Maximum at 6 ft (1.83 m)	45 ft (13.7 m)	50 ft (15.2 m)	43 ft (13.1 m)		
Minimum at 9 ft (2.74 m)	37 ft (11.3 m)	46 ft (14.0 m)	43 ft (13.1 m)		
Maximum at 9 ft (2.74 m)	47 ft (14.3 m)	55 ft (16.8 m)	50 ft (15.2 m)		
Maximum Spacing**					
at 6ft (1.8 m) ground clearance	18 ft (5.5 m)	20 ft (6.1 m)	18 ft (5.5 m)		
at 9 ft (2.74 m) ground clearance			18 ft (5.5 m)		
Pressure at the Nozzle					
Minimum	10 psi (0.69 bar)	10 psi (0.69 bar)	10 psi (0.69 bar)		
Maximum	15 psi (1.03 bar)	15 psi (1.03 bar)	15 psi (1.03 bar)		

^{*}It is recommended that larger nozzle sizes be used only on soils that are suited for higher application rates.

This is especially important on high profile crops.

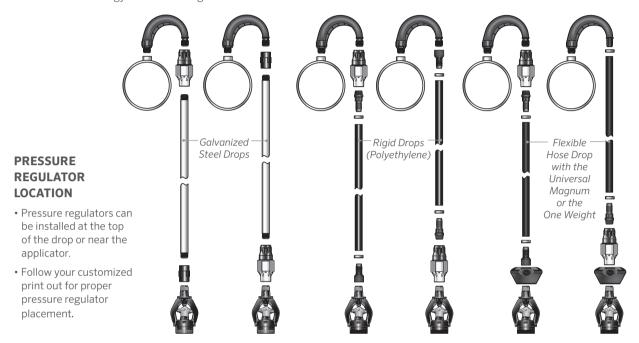
Not warranted for rigid installation on offsets or booms larger than 10.5 ft (3.2 m). Longer offsets and booms require a minimum of 2 ft (0.61 m) reinforced flex hose.

^{**} For optimum performance, Senninger recommends the use of maximum spacing for 1-2 spans only. **Note:** When outlet spacing exceeds 10 ft (3.0 m), keep Xi-Wobs above crop canopy.

XI-WOB™ SYSTEM ASSEMBLY

SEMI-RIGID DROPS

- The Xi-Wob is designed for mounting on semi-rigid Polyethylene or steel drops. Do not use PVC.
- When using semi-rigid or steel drops, mount the Xi-Wob no more than 1 ft (0.3 m) below the truss rod.
- The Xi-Wob is also suitable for flexible hose installations when used either the Universal Magnum Weight or the One Weight. Use the internal fit technology to nest the weight onto the base of the Xi-Wob.



Shown with Senninger's 180° Gooseneck and fittings.

INTEGRATED BASE

With the UP3 design, the Xi-Wob base is now an integral part of the bracket. It can be installed directly into a pressure regulator or onto a standard 3/4" female NPT connection requiring fewer parts.

COMPONENT ASSEMBLY UP3 Nozzle or Dual Nozzle Carrier –

Bracket ____





SENNINGER WEIGHTS



Senninger weights provide stability on drops for a number of pivot applicators. The unique fit technology allows the weight to fit securely onto the i-Wob2, Xi-Wob, LDN, Super Spray, and even some other manufacturer's applicators. The weight's easy-to-install design lets it remain on the applicator during nozzle changes. The One Weight is constructed entirely of zinc alloy and the Universal Magnum Weight is constructed of UV-resistant thermoplastic to prevent corrosion and deter metal theft.

UP3 DUAL NOZZLE CARRIER



To access the secondary nozzle, pinch and pull the nozzle from

the applicator, flip the carrier over and click in the secondary nozzle. The carrier is marked to indicate high and low flow nozzles. When installed in the applicator, if HIGH is visible on the carrier, then the lower flow nozzle in use. If LOW is visible on the carrier, the higher flow nozzle is in use.

UP3 DUAL NOZZLE FITTING

Designed to be used instead of a standard barb x threaded fitting, this device carries two additional UP3



nozzles. Just pinch and pull to remove nozzles and place and click to reinstall. Nozzles are easily identifiable with numbers on the ears. The larger the number, the higher the flow.

The UP3® nozzle design offers a quick solution for easy nozzle changes along with two convenient options for nozzle carriers so your next nozzle is always at hand when you're ready to make the change.

#7 Lime	Nozzle #	Nozzle Size		10 psi 0.69 bar		15 psi 1.03 bar		
#7.5 15/128" (0.117) 2.97 mm 1.26 286 1.54 350 #8 Lavender 1/8" (0.125) 3.18 mm 1.43 325 1.75 39 #8.5 17/128" (0.133) 3.38 mm 1.62 368 1.98 450	Nozzle color				gpm	(L/hr)	gpm	(L/hr)
#8 Lavender 1/8" (0.125) 3.18 mm 1.43 325 1.75 39 #8.5 17/128" (0.133) 3.38 mm 1.62 368 1.98 451 #9 Grey 9/64" (0.141) 3.57 mm 1.81 411 2.22 50 #9.5 19/128" (0.148) 3.76 mm 2.02 459 2.48 56 #10 Turquoise 5/32" (0.156) 3.97 mm 2.24 509 2.75 62 #10.5 21/128" (0.164) 4.17 mm 2.47 561 3.03 68 #11 Yellow 11/64" (0.172) 4.37 mm 2.72 618 3.33 750 #11.5 23/128" (0.180) 4.57 mm 2.97 675 3.64 82 #12 Red 3/16" (0.188) 4.76 mm 3.24 736 3.97 90 #12.5 25/128" (0.195) 4.95 mm 3.52 799 4.31 97 #13 White 13/64" (0.203) 5.16 mm 3.81 865 4.66 105 #13.5 27/128" (0.211) 5.36 mm 4.11 933 5.03 114 #14 Blue 7/32" (0.219) 5.56 mm 4.42 1004 5.41 122 #14.5 29/128" (0.227) 5.77 mm 4.74 1077 5.81 132 #15 Dk. Brown 15/64" (0.234) 5.95 mm 5.08 1154 6.22 141 #15.5 31/128" (0.242) 6.15 mm 5.42 1231 6.64 150 #16.5 33/128" (0.258) 6.35 mm 6.15 1397 7.53 171 #17 Dk. Green 17/64" (0.266) 6.75 mm 6.53 1483 7.99 18 #18.5 37/128" (0.281) 7.75 mm 8.58 1949 10.51 238 #19.5 39/128" (0.289) 7.34 mm 7.73 1756 9.47 215 #19 Black 19/64" (0.297) 7.54 mm 8.15 1851 9.98 226 #19.5 39/128" (0.280) 7.34 mm 7.73 1756 9.47 215 #19 Black 19/64" (0.281) 7.14 mm 7.32 1663 8.96 203 #19.5 39/128" (0.289) 7.34 mm 7.73 1756 9.47 215 #19 Black 19/64" (0.281) 7.14 mm 7.32 1663 8.96 203 #19.5 39/128" (0.289) 7.34 mm 7.73 1756 9.47 215 #19 Black 19/64" (0.297) 7.54 mm 8.15 1851 9.98 226 #19.5 39/128" (0.305) 7.75 mm 8.58 1949 10.51 238 #20 Dk. Turquoise 5/16" (0.313) 7.94 mm 9.02 2049 11.05 251 #20 Dk. Turquoise 5/16" (0.313) 7.94 mm 9.02 2049 11.05 251 #21 Mustard 21/64" (0.328) 8.33 mm 9.93 2255 12.17 276 #22 Maroon 11/32" (0.344) 8.73 mm 10.88 2471 13.33 302 #22 Maroon 11/32" (0.344) 8.73 mm 10.88 2471 13.33 302 #22 Maroon 11/32" (0.344) 8.73 mm 10.88 2471 13.33 302 #22.55 45/128" (0.352) 8.94 mm 11.37 2582 13.92 3166	#7 Lime	7/64"	(0.109)	2.78 mm	1.09	248	1.34	304
#8.5	#7.5	15/128"	(0.117)	2.97 mm	1.26	286	1.54	350
#9 Grey 9/64" (0.141) 3.57 mm 1.81 411 2.22 50 #9.5 19/128" (0.148) 3.76 mm 2.02 459 2.48 56 #10 Turquoise 5/32" (0.156) 3.97 mm 2.24 509 2.75 62 #10.5 21/128" (0.164) 4.17 mm 2.47 561 3.03 68 #11 Yellow 11/64" (0.172) 4.37 mm 2.72 618 3.33 75 #11.5 23/128" (0.180) 4.57 mm 2.97 675 3.64 82 #12 Red 3/16" (0.188) 4.76 mm 3.24 736 3.97 90 #12.5 25/128" (0.195) 4.95 mm 3.52 799 4.31 97 #13 White 13/64" (0.203) 5.16 mm 3.81 865 4.66 105 #13.5 27/128" (0.211) 5.36 mm 4.11 933 5.03 114 #14 Blue 7/32" (0.219) 5.56 mm 4.42 1004 5.41 122 #14.5 29/128" (0.227) 5.77 mm 4.74 1077 5.81 132 #15 Dk. Brown 15/64" (0.234) 5.95 mm 5.08 1154 6.22 141 #15.5 31/128" (0.242) 6.15 mm 5.42 1231 6.64 150 #16.5 33/128" (0.258) 6.55 mm 6.15 1397 7.53 171 #17 Dk. Green 17/64" (0.266) 6.75 mm 6.53 1483 7.99 181 #17.5 35/128" (0.273) 6.93 mm 6.92 1572 8.47 192 #18.5 37/128" (0.289) 7.34 mm 7.73 1756 9.47 215 #19 Black 19/64" (0.297) 7.54 mm 8.15 1851 9.98 226 #19.5 43/128" (0.305) 7.75 mm 8.58 1949 10.51 238 #20 Dk. Turquoise 5/16" (0.313) 7.94 mm 9.02 2049 11.05 251 #21 Mustard 21/64" (0.328) 8.33 mm 9.47 2151 11.60 263 #22 Maroon 11/32" (0.344) 8.73 mm 10.88 2471 13.33 302 #22 Maroon 11/32" (0.344) 8.73 mm 10.88 2471 13.33 302 #22 Maroon 11/32" (0.344) 8.73 mm 10.88 2471 13.33 302 #22 Maroon 11/32" (0.344) 8.73 mm 10.88 2471 13.33 302 #22 Maroon 11/32" (0.344) 8.73 mm 10.88 2471 13.33 302	#8 Lavender	1/8"	(0.125)	3.18 mm	1.43	325	1.75	397
#9.5	#8.5	17/128"	(0.133)	3.38 mm	1.62	368	1.98	450
#10 Turquoise 5/32" (0.156) 3.97 mm 2.24 509 2.75 62 #10.5 21/128" (0.164) 4.17 mm 2.47 561 3.03 68 #11 Yellow 11/64" (0.172) 4.37 mm 2.72 618 3.33 75 #11.5 23/128" (0.180) 4.57 mm 2.97 675 3.64 82 #12 Red 3/16" (0.188) 4.76 mm 3.24 736 3.97 90 #12.5 25/128" (0.195) 4.95 mm 3.52 799 4.31 97 #13 White 13/64" (0.203) 5.16 mm 3.81 865 4.66 105 #13.5 27/128" (0.211) 5.36 mm 4.11 933 5.03 114 #14 Blue 7/32" (0.219) 5.56 mm 4.42 1004 5.41 122 #14.5 29/128" (0.227) 5.77 mm 4.74 1077 5.81 132 #15 Dk. Brown 15/64" (0.234) 5.95 mm 5.08 1154 6.22 141 #15.5 31/128" (0.242) 6.15 mm 5.42 1231 6.64 150 #16 Orange 1/4" (0.250) 6.35 mm 5.78 1313 7.08 160 #17 Dk. Green 17/64" (0.266) 6.75 mm 6.53 1483 7.99 181 #17.5 35/128" (0.273) 6.93 mm 6.92 1572 8.47 192 #18 Purple 9/32" (0.281) 7.14 mm 7.32 1663 8.96 203 #18.5 37/128" (0.297) 7.54 mm 8.15 1851 9.98 226 #19.5 39/128" (0.208) 7.34 mm 7.73 1756 9.47 215 #19 Black 19/64" (0.297) 7.54 mm 8.15 1851 9.98 226 #19.5 39/128" (0.305) 7.75 mm 8.58 1949 10.51 238 #20 Dk. Turquoise 5/16" (0.313) 7.94 mm 9.02 2049 11.05 251 #21 Mustard 21/64" (0.328) 8.33 mm 9.93 2255 12.17 276 #22 Maroon 11/32" (0.344) 8.73 mm 10.88 2471 13.33 302 #22.5 45/128" (0.352) 8.94 mm 11.37 2582 13.92 316	#9 Grey	9/64"	(0.141)	3.57 mm	1.81	411	2.22	504
#10.5	#9.5	19/128"	(0.148)	3.76 mm	2.02	459	2.48	563
#11 Yellow	#10 Turquoise	5/32"	(0.156)	3.97 mm	2.24	509	2.75	625
#11.5	#10.5	21/128"	(0.164)	4.17 mm	2.47	561	3.03	688
#12 Red 3/16" (0.188) 4.76 mm 3.24 736 3.97 90 #12.5 25/128" (0.195) 4.95 mm 3.52 799 4.31 97 #13 White 13/64" (0.203) 5.16 mm 3.81 865 4.66 105 #13.5 27/128" (0.211) 5.36 mm 4.11 933 5.03 114 #14 Blue 7/32" (0.219) 5.56 mm 4.42 1004 5.41 122 #14.5 29/128" (0.227) 5.77 mm 4.74 1077 5.81 132 #15 Dk. Brown 15/64" (0.234) 5.95 mm 5.08 1154 6.22 141 #15.5 31/128" (0.242) 6.15 mm 5.42 1231 6.64 150 #16 Orange 1/4" (0.250) 6.35 mm 5.78 1313 7.08 160 #16.5 33/128" (0.258) 6.55 mm 6.15 1397 7.53 171 #17 Dk. Green 17/64" (0.266) 6.75 mm 6.53 1483 7.99 181 #17.5 35/128" (0.273) 6.93 mm 6.92 1572 8.47 192 #18 Purple 9/32" (0.281) 7.14 mm 7.32 1663 8.96 203 #18.5 37/128" (0.297) 7.54 mm 8.15 1851 9.98 226 #19.5 39/128" (0.305) 7.75 mm 8.58 1949 10.51 238 #20 Dk. Turquoise 5/16" (0.313) 7.94 mm 9.02 2049 11.05 251 #20 Lb. Turquoise 5/16" (0.313) 7.94 mm 9.02 2049 11.05 251 #21 Mustard 21/64" (0.328) 8.33 mm 9.93 2255 12.17 276 #22 Maroon 11/32" (0.344) 8.73 mm 10.88 2471 13.33 302 #22 Maroon 11/32" (0.344) 8.73 mm 10.88 2471 13.33 302 #22 Maroon 11/32" (0.344) 8.73 mm 10.88 2471 13.33 302 #22.5 45/128" (0.352) 8.94 mm 11.37 2582 13.92 316	#11 Yellow	11/64"	(0.172)	4.37 mm	2.72	618	3.33	756
#12.5	#11.5	23/128"	(0.180)	4.57 mm	2.97	675	3.64	827
#13 White 13/64" (0.203) 5.16mm 3.81 865 4.66 105 #13.5 27/128" (0.211) 5.36mm 4.11 933 5.03 114 #14 Blue 7/32" (0.219) 5.56mm 4.42 1004 5.41 122 #14.5 29/128" (0.227) 5.77 mm 4.74 1077 5.81 132 #15 Dk. Brown 15/64" (0.234) 5.95 mm 5.08 1154 6.22 141 #15.5 31/128" (0.242) 6.15 mm 5.42 1231 6.64 150 #16.5 33/128" (0.250) 6.35 mm 5.78 1313 7.08 160 #16.5 33/128" (0.258) 6.55 mm 6.15 1397 7.53 171 #17 Dk. Green 17/64" (0.266) 6.75 mm 6.53 1483 7.99 181 #17.5 35/128" (0.273) 6.93 mm 6.92 1572 8.47 192 #18.5 37/128" (0.281) 7.14 mm 7.32 1663 8.96 203 #18.5 37/128" (0.289) 7.34 mm 7.73 1756 9.47 215 #19 Black 19/64" (0.297) 7.54 mm 8.15 1851 9.98 226 #19.5 39/128" (0.305) 7.75 mm 8.58 1949 10.51 238 #20 Dk. Turquoise 5/16" (0.313) 7.94 mm 9.02 2049 11.05 251 #21 Mustard 21/64" (0.328) 8.33 mm 9.47 2151 11.60 263 #21 Mustard 21/64" (0.328) 8.33 mm 9.93 2255 12.17 276 #22 Maroon 11/32" (0.344) 8.73 mm 10.88 2471 13.33 302 #22.5 45/128" (0.352) 8.94 mm 11.37 2582 13.92 316	#12 Red	3/16"	(0.188)	4.76 mm	3.24	736	3.97	902
#13.5	#12.5	25/128"	(0.195)	4.95 mm	3.52	799	4.31	979
#14 Blue 7/32" (0.219) 5.56 mm 4.42 1004 5.41 122 #14.5 29/128" (0.227) 5.77 mm 4.74 1077 5.81 132 #15 Dk. Brown 15/64" (0.234) 5.95 mm 5.08 1154 6.22 141 #15.5 31/128" (0.242) 6.15 mm 5.42 1231 6.64 150 #16 Orange 1/4" (0.250) 6.35 mm 5.78 1313 7.08 160 #16.5 33/128" (0.258) 6.55 mm 6.15 1397 7.53 171 #17 Dk. Green 17/64" (0.266) 6.75 mm 6.53 1483 7.99 181 #17.5 35/128" (0.273) 6.93 mm 6.92 1572 8.47 192 #18 Purple 9/32" (0.281) 7.14 mm 7.32 1663 8.96 203 #18.5 37/128" (0.289) 7.34 mm 7.73 1756 9.47 215 #19 Black 19/64" (0.297) 7.54 mm 8.15 1851 9.98 226 #19.5 39/128" (0.305) 7.75 mm 8.58 1949 10.51 238 #20 Dk. Turquoise 5/16" (0.313) 7.94 mm 9.02 2049 11.05 251 #21 Mustard 21/64" (0.328) 8.33 mm 9.47 2151 11.60 263 #21 Mustard 21/64" (0.328) 8.33 mm 9.47 2151 11.60 263 #22 Maroon 11/32" (0.344) 8.73 mm 10.88 2471 13.33 302 #22.5 45/128" (0.352) 8.94 mm 11.37 2582 13.92 316	#13 White	13/64"	(0.203)	5.16 mm	3.81	865	4.66	1058
#14.5	#13.5	27/128"	(0.211)	5.36 mm	4.11	933	5.03	1142
#15 Dk. Brown 15/64" (0.234) 5.95 mm 5.08 1154 6.22 141 #15.5 31/128" (0.242) 6.15 mm 5.42 1231 6.64 150 #16 Orange 1/4" (0.250) 6.35 mm 5.78 1313 7.08 160 #16.5 33/128" (0.258) 6.55 mm 6.15 1397 7.53 171 #17 Dk. Green 17/64" (0.266) 6.75 mm 6.53 1483 7.99 181 #17.5 35/128" (0.273) 6.93 mm 6.92 1572 8.47 192 #18 Purple 9/32" (0.281) 7.14 mm 7.32 1663 8.96 203 #18.5 37/128" (0.289) 7.34 mm 7.73 1756 9.47 215 #19 Black 19/64" (0.297) 7.54 mm 8.15 1851 9.98 226 #19.5 39/128" (0.305) 7.75 mm 8.58 1949 10.51 238 #20 Dk. Turquoise 5/16" (0.313) 7.94 mm 9.02 2049 11.05 251 #21 Mustard 21/64" (0.328) 8.33 mm 9.47 2151 11.60 263 #21 Mustard 21/64" (0.328) 8.33 mm 9.93 2255 12.17 276 #21 Mustard 21/64" (0.336) 8.53 mm 10.40 2362 12.74 285 #22 Maroon 11/32" (0.344) 8.73 mm 10.88 2471 13.33 302 #22.5 45/128" (0.352) 8.94 mm 11.37 2582 13.92 316	#14 Blue	7/32"	(0.219)	5.56 mm	4.42	1004	5.41	1229
#15.5 31/128" (0.242) 6.15 mm 5.42 1231 6.64 150 #16 Orange 1/4" (0.250) 6.35 mm 5.78 1313 7.08 160 #16.5 33/128" (0.258) 6.55 mm 6.15 1397 7.53 171 #17 Dk. Green 17/64" (0.266) 6.75 mm 6.53 1483 7.99 181 #17.5 35/128" (0.273) 6.93 mm 6.92 1572 8.47 192 #18 Purple 9/32" (0.281) 7.14 mm 7.32 1663 8.96 203 #18.5 37/128" (0.289) 7.34 mm 7.73 1756 9.47 215 #19 Black 19/64" (0.297) 7.54 mm 8.15 1851 9.98 226 #19.5 39/128" (0.305) 7.75 mm 8.58 1949 10.51 238 #20 Dk. Turquoise 5/16" (0.313) 7.94 mm 9.02 2049 11.05 251 #20.5 41/128" (0.320) 8.13 mm 9.47 2151 11.60 263 #21 Mustard 21/64" (0.328) 8.33 mm 9.93 2255 12.17 276 #22 Maroon 11/32" (0.344) 8.73 mm 10.88 2471 13.33 302 #22.5 45/128" (0.352) 8.94 mm 11.37 2582 13.92 316	#14.5	29/128"	(0.227)	5.77 mm	4.74	1077	5.81	1320
#16 Orange 1/4" (0.250) 6.35 mm 5.78 1313 7.08 160 #16.5 33/128" (0.258) 6.55 mm 6.15 1397 7.53 171 #17 Dk, Green 17/64" (0.266) 6.75 mm 6.53 1483 7.99 181 #17.5 35/128" (0.273) 6.93 mm 6.92 1572 8.47 192 #18 Purple 9/32" (0.281) 7.14 mm 7.32 1663 8.96 203 #18.5 37/128" (0.289) 7.34 mm 7.73 1756 9.47 215 #19 Black 19/64" (0.297) 7.54 mm 8.15 1851 9.98 226 #19.5 39/128" (0.305) 7.75 mm 8.58 1949 10.51 238 #20 Dk, Turquoise 5/16" (0.313) 7.94 mm 9.02 2049 11.05 251 #20.5 41/128" (0.320) 8.13 mm 9.47 2151 11.60 263 #21 Mustard 21/64" (0.328) 8.33 mm 9.93 2255 12.17 276 #21 Mustard 21/64" (0.336) 8.53 mm 10.40 2362 12.74 285 #22 Maroon 11/32" (0.344) 8.73 mm 10.88 2471 13.33 302 #22.5 45/128" (0.352) 8.94 mm 11.37 2582 13.92 316	#15 Dk. Brown	15/64"	(0.234)	5.95 mm	5.08	1154	6.22	1413
#16.5 33/128" (0.258) 6.55 mm 6.15 1397 7.53 171 #17 Dk. Green 17/64" (0.266) 6.75 mm 6.53 1483 7.99 181 #17.5 35/128" (0.273) 6.93 mm 6.92 1572 8.47 192 #18 Purple 9/32" (0.281) 7.14 mm 7.32 1663 8.96 203 #18.5 37/128" (0.289) 7.34 mm 7.73 1756 9.47 215 #19 Black 19/64" (0.297) 7.54 mm 8.15 1851 9.98 226 #19.5 39/128" (0.305) 7.75 mm 8.58 1949 10.51 238 #20 Dk. Turquoise 5/16" (0.313) 7.94 mm 9.02 2049 11.05 251 #20.5 41/128" (0.320) 8.13 mm 9.47 2151 11.60 263 #21 Mustard 21/64" (0.328) 8.33 mm 9.93 2255 12.17 276 #21.5 43/128" (0.336) 8.53 mm 10.40 2362 12.74 285 #22 Maroon 11/32" (0.344) 8.73 mm 10.88 2471 13.33 302 #22.5 45/128" (0.352) 8.94 mm 11.37 2582 13.92 316	#15.5	31/128"	(0.242)	6.15 mm	5.42	1231	6.64	1508
#17 Dk. Green 17/64" (0.266) 6.75 mm 6.53 1483 7.99 181 #17.5 35/128" (0.273) 6.93 mm 6.92 1572 8.47 192 #18 Purple 9/32" (0.281) 7.14 mm 7.32 1663 8.96 203 #18.5 37/128" (0.289) 7.34 mm 7.73 1756 9.47 215 #19 Black 19/64" (0.297) 7.54 mm 8.15 1851 9.98 226 #19.5 39/128" (0.305) 7.75 mm 8.58 1949 10.51 238 #20 Dk. Turquoise 5/16" (0.313) 7.94 mm 9.02 2049 11.05 251 #20.5 41/128" (0.320) 8.13 mm 9.47 2151 11.60 263 #21 Mustard 21/64" (0.328) 8.33 mm 9.93 2255 12.17 276 #21.5 43/128" (0.336) 8.53 mm 10.40 2362 12.74 285 #22 Maroon 11/32" (0.344) 8.73 mm 10.88 2471 13.33 302 #22.5 45/128" (0.352) 8.94 mm 11.37 2582 13.92 316	#16 Orange	1/4"	(0.250)	6.35 mm	5.78	1313	7.08	1608
#17.5 35/128" (0.273) 6.93 mm 6.92 1572 8.47 192 #18 Purple 9/32" (0.281) 7.14 mm 7.32 1663 8.96 203 #18.5 37/128" (0.289) 7.34 mm 7.73 1756 9.47 215 #19 Black 19/64" (0.297) 7.54 mm 8.15 1851 9.98 226 #19.5 39/128" (0.305) 7.75 mm 8.58 1949 10.51 238 #20 Dk. Turquoise 5/16" (0.313) 7.94 mm 9.02 2049 11.05 251 #20.5 41/128" (0.320) 8.13 mm 9.47 2151 11.60 263 #21 Mustard 21/64" (0.328) 8.33 mm 9.93 2255 12.17 276 #21.5 43/128" (0.336) 8.53 mm 10.40 2362 12.74 285 #22 Maroon 11/32" (0.344) 8.73 mm 10.88 2471 13.33 302 #22.5 45/128" (0.352) 8.94 mm 11.37 2582 13.92 316	#16.5	33/128"	(0.258)	6.55 mm	6.15	1397	7.53	1710
#18 Purple 9/32" (0.281) 7.14 mm 7.32 1663 8.96 203 #18.5 37/128" (0.289) 7.34 mm 7.73 1756 9.47 215 #19 Black 19/64" (0.297) 7.54 mm 8.15 1851 9.98 226 #19.5 39/128" (0.305) 7.75 mm 8.58 1949 10.51 238 #20 Dk. Turquoise 5/16" (0.313) 7.94 mm 9.02 2049 11.05 251 #20.5 41/128" (0.320) 8.13 mm 9.47 2151 11.60 263 #21 Mustard 21/64" (0.328) 8.33 mm 9.93 2255 12.17 276 #21.5 43/128" (0.336) 8.53 mm 10.40 2362 12.74 285 #22 Maroon 11/32" (0.344) 8.73 mm 10.88 2471 13.33 302 #22.5 45/128" (0.352) 8.94 mm 11.37 2582 13.92 316	#17 Dk. Green	17/64"	(0.266)	6.75 mm	6.53	1483	7.99	1815
#18.5 37/128" (0.289) 7.34 mm 7.73 1756 9.47 215 #19 Black 19/64" (0.297) 7.54 mm 8.15 1851 9.98 226 #19.5 39/128" (0.305) 7.75 mm 8.58 1949 10.51 238 #20 Dk. Turquoise 5/16" (0.313) 7.94 mm 9.02 2049 11.05 251 #20.5 41/128" (0.320) 8.13 mm 9.47 2151 11.60 263 #21 Mustard 21/64" (0.328) 8.33 mm 9.93 2255 12.17 276 #21.5 43/128" (0.336) 8.53 mm 10.40 2362 12.74 285 #22 Maroon 11/32" (0.344) 8.73 mm 10.88 2471 13.33 302 #22.5 45/128" (0.352) 8.94 mm 11.37 2582 13.92 316	#17.5	35/128"	(0.273)	6.93 mm	6.92	1572	8.47	1924
#19 Black 19/64" (0.297) 7.54 mm 8.15 1851 9.98 226 #19.5 39/128" (0.305) 7.75 mm 8.58 1949 10.51 238 #20 Dk. Turquoise 5/16" (0.313) 7.94 mm 9.02 2049 11.05 251 #20.5 41/128" (0.320) 8.13 mm 9.47 2151 11.60 263 #21 Mustard 21/64" (0.328) 8.33 mm 9.93 2255 12.17 276 #21.5 43/128" (0.336) 8.53 mm 10.40 2362 12.74 289 #22 Maroon 11/32" (0.344) 8.73 mm 10.88 2471 13.33 302 #22.5 45/128" (0.352) 8.94 mm 11.37 2582 13.92 316	#18 Purple	9/32"	(0.281)	7.14 mm	7.32	1663	8.96	2035
#19.5 39/128" (0.305) 7.75 mm 8.58 1949 10.51 238 #20 Dk. Turquoise 5/16" (0.313) 7.94 mm 9.02 2049 11.05 251 #20.5 41/128" (0.320) 8.13 mm 9.47 2151 11.60 263 #21 Mustard 21/64" (0.328) 8.33 mm 9.93 2255 12.17 276 #21.5 43/128" (0.336) 8.53 mm 10.40 2362 12.74 289 #22 Maroon 11/32" (0.344) 8.73 mm 10.88 2471 13.33 302 #22.5 45/128" (0.352) 8.94 mm 11.37 2582 13.92 316	#18.5	37/128"	(0.289)	7.34 mm	7.73	1756	9.47	2151
#20 Dk. Turquoise 5/16" (0.313) 7.94 mm 9.02 2049 11.05 251 #20.5 41/128" (0.320) 8.13 mm 9.47 2151 11.60 263 #21 Mustard 21/64" (0.328) 8.33 mm 9.93 2255 12.17 276 #21.5 43/128" (0.336) 8.53 mm 10.40 2362 12.74 289 #22 Maroon 11/32" (0.344) 8.73 mm 10.88 2471 13.33 302 #22.5 45/128" (0.352) 8.94 mm 11.37 2582 13.92 316	#19 Black	19/64"	(0.297)	7.54 mm	8.15	1851	9.98	2267
#20.5	#19.5	39/128"	(0.305)	7.75 mm	8.58	1949	10.51	2387
#21 Mustard 21/64" (0.328) 8.33 mm 9.93 2255 12.17 276 #21.5 43/128" (0.336) 8.53 mm 10.40 2362 12.74 289 #22 Maroon 11/32" (0.344) 8.73 mm 10.88 2471 13.33 302 #22.5 45/128" (0.352) 8.94 mm 11.37 2582 13.92 316	#20 Dk. Turquoise	5/16"	(0.313)	7.94 mm	9.02	2049	11.05	2510
#21.5	#20.5	41/128"	(0.320)	8.13 mm	9.47	2151	11.60	2635
#22 Maroon 11/32" (0.344) 8.73 mm 10.88 2471 13.33 302 #22.5 45/128" (0.352) 8.94 mm 11.37 2582 13.92 316	#21 Mustard	21/64"	(0.328)	8.33 mm	9.93	2255	12.17	2764
#22.5 45/128" (0.352) 8.94 mm 11.37 2582 13.92 316	#21.5	43/128"	(0.336)	8.53 mm	10.40	2362	12.74	2894
	#22 Maroon	11/32"	(0.344)	8.73 mm	10.88	2471	13.33	3028
#23 Cream 23/64" (0.359) 9.13 mm 11.87 2696 14.54 330	#22.5	45/128"	(0.352)	8.94 mm	11.37	2582	13.92	3162
	#23 Cream	23/64"	(0.359)	9.13 mm	11.87	2696	14.54	3302
#23.5 47/128" (0.367) 9.32 mm 12.37 2810 15.15 344	#23.5	47/128"	(0.367)	9.32 mm	12.37	2810	15.15	3441
#24 Dk. Blue 3/8" (0.375) 9.53 mm 12.88 2925 15.78 358	#24 Dk. Blue	3/8"	(0.375)	9.53 mm	12.88	2925	15.78	3584

EASY-CLEAN / EASY-CHANGE NOZZLE DESIGN (Patented)



The Senninger easy change nozzle was introduced in 2008. Just pinch and pull to remove the nozzle then place

and click to re-install. Cleaning and changing nozzles is easy and convenient. There is no need to disassemble or remove the sprinkler.

The color-coded nozzles are highly visible and easy to identify. The nozzle numbers (corresponding to orifice sizes in 64ths of an inch) are visible on the ears, with half sizes denoted beneath the second digit and the notches on the lower edge of the nozzle. Nozzles are warranted to maintain correct orifice size for five years.



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.

LD Curry Steve Abernethy, President of Senninger Irrigation

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