



High-Angle

XCEL
wobbler®

Senninger's **high-angle (24-degree) Xcel-Wobbler** maximizes the area of coverage. Its unique off-center rotary-action provides extremely uniform coverage at low pressures with a very low evaporative loss.

- New balanced design produces smooth, stable performance
- Only one moving part for longer life
- Built for strength and durability using high-impact engineering grade thermoplastics, no metal parts
- Inlet sizes: 1/2" or 3/4" NPT male
- Flow rates: 0.78 to 7.64 gpm (0.05 to 0.47 L/s)
- Mid-angle (18-degree) model also available

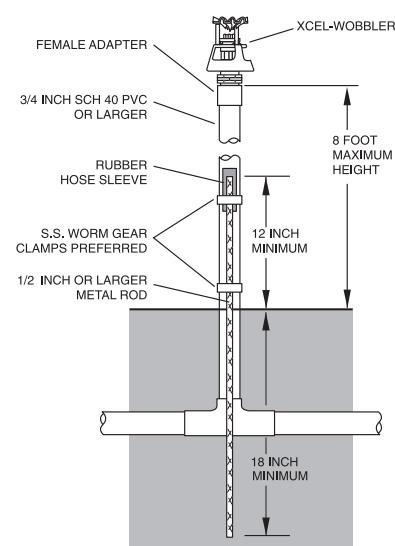
High-Angle
Xcel-Wobbler®



The high-angle Xcel-Wobbler provides a maximized area of coverage

SPRINKLER BASE PRESSURE	U.S. - Diameter (feet)					METRIC - Diameter (meters)			
	(psi)	10	15	20	25	30	(bar)	0.75	1.0
							(psi)	10.88	14.50
								21.75	29.00
#6 Nozzle - Gold (3/32")									
Flow (gpm)	0.78	0.95	1.10	1.23	1.35		#6 Nozzle - Gold (2.38 mm)	0.05	0.06
Diam. at 1.5' ht. (ft)	34.0	39.5	42.0	43.5	44.0		(L/s)	0.06	0.07
							0.5 m (m)	12.2	12.7
								13.3	13.5
#7 Nozzle - Lime (7/64")									
Flow (gpm)	1.06	1.30	1.50	1.68	1.84		#7 Nozzle - Lime (2.78 mm)	0.07	0.08
Diam. at 1.5' ht. (ft)	35.0	40.5	43.0	44.5	45.0		(L/s)	0.08	0.10
							0.5 m (m)	12.5	13.0
								13.6	13.8
#8 Nozzle - Lavender (1/8")									
Flow (gpm)	1.40	1.71	1.98	2.21	2.42		#8 Nozzle - Lavender (3.18 mm)	0.09	0.11
Diam. at 1.5' ht. (ft)	36.0	41.5	44.0	45.5	46.0		(L/s)	0.11	0.13
							0.5 m (m)	12.8	13.3
								13.9	14.1
#9 Nozzle - Grey (9/64")									
Flow (gpm)	1.80	2.20	2.54	2.84	3.11		#9 Nozzle - Grey (3.57 mm)	0.12	0.14
Diam. at 1.5' ht. (ft)	37.0	42.5	45.0	46.5	47.0		(L/s)	0.14	0.17
							0.5 m (m)	13.1	13.6
								14.2	14.4
#10 Nozzle - Turquoise (5/32")									
Flow (gpm)	2.22	2.72	3.14	3.51	3.85		#10 Nozzle - Turquoise (3.97 mm)	0.15	0.17
Diam. at 1.5' ht. (ft)	38.0	43.5	46.0	47.5	48.0		(L/s)	0.17	0.21
							0.5 m (m)	13.4	13.9
								14.5	14.8
#11 Nozzle - Yellow (11/64")									
Flow (gpm)	2.69	3.30	3.81	4.26	4.67		#11 Nozzle - Yellow (4.37 mm)	0.18	0.20
Diam. at 1.5' ht. (ft)	39.0	44.5	47.0	48.5	49.0		(L/s)	0.20	0.25
							0.5 m (m)	13.7	14.2
								14.8	15.1
#12 Nozzle - Red (3/16")									
Flow (gpm)	3.23	3.96	4.57	5.11	5.60		#12 Nozzle - Red (4.76 mm)	0.21	0.25
Diam. at 1.5' ht. (ft)	40.0	45.5	48.0	49.5	50.0		(L/s)	0.25	0.30
							0.5 m (m)	14.0	14.6
								15.1	15.4
#13 Nozzle - White (13/64")									
Flow (gpm)	3.80	4.65	5.38	6.01	6.59		#13 Nozzle - White (5.16 mm)	0.25	0.29
Diam. at 1.5' ht. (ft)	41.0	46.5	49.0	50.5	51.0		(L/s)	0.29	0.35
							0.5 m (m)	14.3	14.9
								15.4	15.7
#14 Nozzle - Blue (7/32")									
Flow (gpm)	4.40	5.39	6.23	6.97	7.64		#14 Nozzle - Blue (5.56 mm)	0.29	0.33
Diam. at 1.5' ht. (ft)	42.0	47.5	50.0	51.0	51.5		(L/s)	0.33	0.41
							0.5 m (m)	14.6	15.2
								15.6	15.8

Stream heights range from 2.5 - 5.5 ft (0.8 - 1.7 m) above nozzle based on pressure and nozzle size.



Designed and manufactured by:

Senninger Irrigation Inc.

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Mid-Angle

X^{CEL}wobbler®



Senninger's **mid-angle (18-degree) Xcel-Wobbler®** provides a wind-resistant pattern. Its unique off-center rotary-action provides extremely uniform coverage at low pressures with a very low evaporative loss.

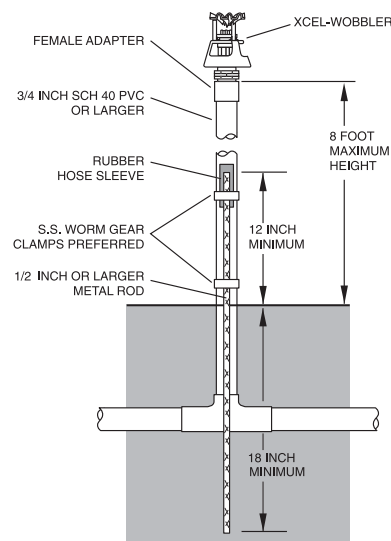
- New balanced design produces smooth, stable performance
- Only one moving part for longer life
- Built for strength and durability using high-impact engineering grade thermoplastics, no metal parts
- Inlet sizes: 1/2" NPT male and 3/4" NPT male
- Flow rates: 0.78 to 7.64 gpm (0.05 to 0.47 L/s)
- High-angle (24-degree) model also available

Mid-Angle
Xcel-Wobbler®

SPRINKLER BASE PRESSURE	(psi)	U.S. - Diameter (feet)					METRIC - Diameter (meters)				
		10	15	20	25	30	(bar)	0.75	1.0	1.5	2.0
							(psi)	10.88	14.50	21.75	29.00
#6 Nozzle - Gold (3/32")											
Flow (gpm)	0.78	0.95	1.10	1.23	1.35		(L/s)	0.05	0.06	0.07	0.08
Diam. at 1.5' ht. (ft)	34.0	39.0	42.5	43.5	44.0		0.5 m (m)	10.6	11.7	13.1	13.4
#7 Nozzle - Lime (7/64")											
Flow (gpm)	1.06	1.30	1.50	1.68	1.84		(L/s)	0.07	0.08	0.10	0.11
Diam. at 1.5' ht. (ft)	34.5	39.5	43.0	44.0	44.5		0.5 m (m)	10.8	11.9	13.2	13.5
#8 Nozzle - Lavender (1/8")											
Flow (gpm)	1.40	1.71	1.98	2.21	2.42		(L/s)	0.09	0.11	0.13	0.15
Diam. at 1.5' ht. (ft)	35.0	40.0	43.5	44.5	45.0		0.5 m (m)	10.9	12.0	13.4	13.7
#9 Nozzle - Grey (9/64")											
Flow (gpm)	1.80	2.20	2.54	2.84	3.11		(L/s)	0.12	0.14	0.17	0.19
Diam. at 1.5' ht. (ft)	35.5	40.5	44.0	45.0	45.5		0.5 m (m)	11.1	12.2	13.5	13.8
#10 Nozzle - Turquoise (5/32")											
Flow (gpm)	2.22	2.72	3.14	3.51	3.85		(L/s)	0.15	0.17	0.21	0.24
Diam. at 1.5' ht. (ft)	36.0	41.0	44.5	45.5	46.0		0.5 m (m)	11.2	12.3	13.7	14.0
#11 Nozzle - Yellow (11/64")											
Flow (gpm)	2.69	3.30	3.81	4.26	4.67		(L/s)	0.18	0.20	0.25	0.29
Diam. at 1.5' ht. (ft)	36.5	41.5	45.0	46.0	46.5		0.5 m (m)	11.4	12.5	13.8	14.1
#12 Nozzle - Red (3/16")											
Flow (gpm)	3.23	3.96	4.57	5.11	5.60		(L/s)	0.21	0.25	0.30	0.35
Diam. at 1.5' ht. (ft)	37.0	42.0	45.5	46.5	47.0		0.5 m (m)	11.5	12.6	14.0	14.3
#13 Nozzle - White (13/64")											
Flow (gpm)	3.80	4.65	5.38	6.01	6.59		(L/s)	0.25	0.29	0.35	0.41
Diam. at 1.5' ht. (ft)	37.5	42.5	46.0	47.0	47.5		0.5 m (m)	11.7	12.8	14.1	14.4
#14 Nozzle - Blue (7/32")											
Flow (gpm)	4.40	5.39	6.23	6.97	7.64		(L/s)	0.29	0.33	0.41	0.47
Diam. at 1.5' ht. (ft)	38.0	43.0	46.5	47.5	48.0		0.5 m (m)	11.9	13.0	14.3	14.6



The mid-angle Xcel-Wobbler provides a wind resistant low trajectory pattern.



Stream heights range from 1.0 - 3.5 ft (0.3 - 1.1 m) above the nozzle based on pressure and nozzle size.

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