

# 30 Series



View of 3023-2 spreader nozzle

Senninger's 30 Series impact sprinklers deliver lower flows than the 40 or 50 series models.

## FEATURES

- Wide range of nozzle and vane combinations for excellent distribution at all pressures
- Built-in hex wrench for easy in-the-field maintenance
- 23° model available with double nozzle
- Two trajectories available: 12° - ideal for under-tree irrigation  
23° - maximum throw on overhead systems
- Connection: 3/4" NPT male (female also available)
- Flow rates: 1.84 to 6.42 gpm (418 to 1458 L/hr)
- Operating pressures: 30 to 50 psi (2.07 to 3.45 bar)
- Two-year warranty on materials, workmanship and performance
- Color-coded nozzles for easy size identification. Warranted to maintain correct orifice size for five years



## CONVENIENT HAND TIGHT NOZZLES!

No tools required with the easy change/easy clean nozzle and vane combination. Half size and square orifice nozzles also available.

3012-1 SPRINKLER BASE PRESSURE-US	psi					SPRINKLER BASE PRESSURE-METRIC	bar				
	30	35	40	45	50		2.07	2.41	2.76	3.10	3.45
#7 Nozzle - Lime (7/64")						#7 Nozzle - Lime (2.78 mm)					
Flow (gpm)	1.84	1.99	2.12	2.25	2.37	Flow (L/hr)	418	452	482	511	538
Diameter at 1.5 ft ht (ft)	71	74	77	80	82	Diameter at 0.46 m ht (m)	21.7	22.6	23.5	24.4	25.0
#8 Nozzle - Lavender (1/8")						#8 Nozzle - Lavender (3.18 mm)					
Flow (gpm)	2.42	2.62	2.79	2.97	3.12	Flow (L/hr)	550	595	634	675	709
Diameter at 1.5 ft ht (ft)	73	76	79	82	84	Diameter at 0.46 m ht (m)	22.3	23.2	24.1	25.0	25.6
#9 Nozzle - Grey (9/64")						#9 Nozzle - Grey (3.57 mm)					
Flow (gpm)	3.08	3.33	3.56	3.78	3.98	Flow (L/hr)	700	756	809	859	904
Diameter at 1.5 ft ht (ft)	75	78	81	84	86	Diameter at 0.46 m ht (m)	22.9	23.8	24.7	25.6	26.2
#10 Nozzle - Turquoise (5/32")						#10 Nozzle - Turquoise (3.97 mm)					
Flow (gpm)	3.82	4.13	4.41	4.68	4.93	Flow (L/hr)	868	938	1002	1063	1120
Diameter at 1.5 ft ht (ft)	76	79	82	85	87	Diameter at 0.46 m ht (m)	23.2	24.1	25.0	25.9	26.5

Sprinkler performance may vary with actual field conditions. Stream heights range from 2.5 to 4.5 ft (0.8 to 1.4 m) above nozzle based on pressure and nozzle size. Minimum recommended riser height is 1.5 ft (0.46 m).

# Series 30

IMPACTS

### 3023-1 SPRINKLER BASE PRESSURE-US

	psi					SPRINKLER BASE PRESSURE-METRIC	bar				
	30	35	40	45	50		2.07	2.41	2.76	3.10	3.45
<b>#7 Nozzle - Lime (7/64")</b>						<b>#7 Nozzle - Lime (2.78 mm)</b>					
Flow (gpm)	1.84	1.99	2.12	2.25	2.37	Flow (L/hr)	418	452	482	511	538
Diameter at 1.5 ft ht (ft)	80	82	84	86	87	Diameter at 0.46 m ht (m)	24.4	25.0	25.6	26.2	26.5
Diameter at 6.0 ft ht (ft)	83	84	85	86	88	Diameter at 1.83 m ht (m)	25.3	25.6	25.9	26.2	26.8
<b>#8 Nozzle - Lavender (1/8")</b>						<b>#8 Nozzle - Lavender (3.18 mm)</b>					
Flow (gpm)	2.42	2.62	2.79	2.97	3.12	Flow (L/hr)	550	595	634	675	709
Diameter at 1.5 ft ht (ft)	83	85	86	87	88	Diameter at 0.46 m ht (m)	25.3	25.9	26.2	26.5	26.8
Diameter at 6.0 ft ht (ft)	86	87	88	89	90	Diameter at 1.83 m ht (m)	26.2	26.5	26.8	27.1	27.4
<b>#9 Nozzle - Grey (9/64")</b>						<b>#9 Nozzle - Grey (3.57 mm)</b>					
Flow (gpm)	3.08	3.33	3.56	3.78	3.98	Flow (L/hr)	700	756	809	859	904
Diameter at 1.5 ft ht (ft)	85	87	88	90	91	Diameter at 0.46 m ht (m)	25.9	26.5	26.8	27.4	27.7
Diameter at 6.0 ft ht (ft)	87	89	90	91	92	Diameter at 1.83 m ht (m)	26.5	27.1	27.4	27.7	28.0
<b>#10 Nozzle - Turquoise (5/32")</b>						<b>#10 Nozzle - Turquoise (3.97 mm)</b>					
Flow (gpm)	3.82	4.13	4.41	4.68	4.93	Flow (L/hr)	868	938	1002	1063	1120
Diameter at 1.5 ft ht (ft)	87	89	90	91	92	Diameter at 0.46 m ht (m)	26.5	27.1	27.4	27.7	28.0
Diameter at 6.0 ft ht (ft)	88	90	92	93	94	Diameter at 1.83 m ht (m)	26.8	27.4	28.0	28.3	28.7

### 3023-2 SPRINKLER BASE PRESSURE-US

	psi					SPRINKLER BASE PRESSURE-METRIC	bar				
	30	35	40	45	50		2.07	2.41	2.76	3.10	3.45
<b>7x4 #7 Range Nozzle x #4 Spreader Nozzle</b>						<b>7x4 #7 Range Nozzle x #4 Spreader Nozzle</b>					
Flow (gpm)	3.01	3.25	3.48	3.69	3.89	Flow (L/hr)	684	738	790	838	884
Diameter at 1.5 ft ht (ft)	80	82	84	86	87	Diameter at 0.46 m ht (m)	24.4	25.0	25.6	26.2	26.5
Diameter at 6.0 ft ht (ft)	83	84	85	86	88	Diameter at 1.83 m ht (m)	25.3	25.6	25.9	26.2	26.8
<b>8x5 #8 Range Nozzle x #5 Spreader Nozzle</b>						<b>8x5 #8 Range Nozzle x #5 Spreader Nozzle</b>					
Flow (gpm)	3.58	3.86	4.13	4.38	4.62	Flow (L/hr)	813	877	938	995	1049
Diameter at 1.5 ft ht (ft)	83	85	86	87	88	Diameter at 0.46 m ht (m)	25.3	25.9	26.2	26.5	26.8
Diameter at 6.0 ft ht (ft)	86	87	88	89	90	Diameter at 1.83 m ht (m)	26.2	26.5	26.8	27.1	27.4
<b>8x6 #8 Range Nozzle x #6 Spreader Nozzle</b>						<b>8x6 #8 Range Nozzle x #6 Spreader Nozzle</b>					
Flow (gpm)	3.84	4.14	4.43	4.70	4.95	Flow (L/hr)	872	940	1006	1067	1124
Diameter at 1.5 ft ht (ft)	83	85	86	87	88	Diameter at 0.46 m ht (m)	25.3	25.9	26.2	26.5	26.8
Diameter at 6.0 ft ht (ft)	86	87	88	89	90	Diameter at 1.83 m ht (m)	26.2	26.5	26.8	27.1	27.4
<b>9x5 #9 Range Nozzle x #5 Spreader Nozzle</b>						<b>9x5 #9 Range Nozzle x #5 Spreader Nozzle</b>					
Flow (gpm)	4.16	4.50	4.81	5.10	5.38	Flow (L/hr)	945	1022	1092	1158	1222
Diameter at 1.5 ft ht (ft)	85	87	88	90	91	Diameter at 0.46 m ht (m)	25.9	26.5	26.8	27.4	27.7
Diameter at 6.0 ft ht (ft)	87	89	90	91	92	Diameter at 1.83 m ht (m)	26.5	27.1	27.4	27.7	28.0
<b>9x6 #9 Range Nozzle x #6 Spreader Nozzle</b>						<b>9x6 #9 Range Nozzle x #6 Spreader Nozzle</b>					
Flow (gpm)	4.41	4.77	5.10	5.41	5.70	Flow (L/hr)	1002	1083	1158	1229	1295
Diameter at 1.5 ft ht (ft)	85	87	88	90	91	Diameter at 0.46 m ht (m)	25.9	26.5	26.8	27.4	27.7
Diameter at 6.0 ft ht (ft)	87	89	90	91	92	Diameter at 1.83 m ht (m)	26.5	27.1	27.4	27.7	28.0
<b>10x5 #10 Range Nozzle x #5 Spreader Nozzle</b>						<b>10x5 #10 Range Nozzle x #5 Spreader Nozzle</b>					
Flow (gpm)	4.97	5.37	5.74	6.09	6.42	Flow (L/hr)	1129	1220	1304	1383	1458
Diameter at 1.5 ft ht (ft)	87	89	90	91	92	Diameter at 0.46 m ht (m)	26.5	27.1	27.4	27.7	28.0
Diameter at 6.0 ft ht (ft)	88	90	92	93	94	Diameter at 1.83 m ht (m)	26.8	27.4	28.0	28.3	28.7

Sprinkler performance may vary with actual field conditions. Stream heights range from 6.0 to 7.5 ft (1.8 to 2.3 m) above nozzle based on pressure and nozzle size. Minimum recommended riser height is 1.5 ft (0.46 m)