

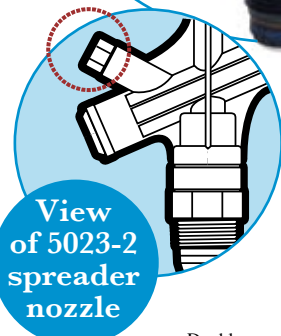
50series [Impacts]



The 50 Series full-circle impacts handle the highest flow rates for Senninger's 3/4" sprinklers. High application rates and large diameter of coverage make these sprinklers suitable for a variety of applications.

FEATURES:

- Single and double nozzle designs available. Double nozzle only available in 23° model.
- Two trajectories available:
12° - ideal for undertree irrigation
23° - for maximum throw on overhead systems
- Wide range of nozzle and vane combinations for excellent distribution at all pressures
- Built-in hex wrench for easy in-the-field maintenance
- Standard lower bearing pipe thread:
3/4" M NPT (female also available)
- Flow rates: 6.5 to 20.1 gpm [1476 to 4565 L/hr]
- Two-year warranty on materials, workmanship AND performance
- Color-coded nozzles for easy size identification; warranted to maintain correct orifice size for five years



View of 5023-2 spreader nozzle

Double nozzle models help maximize uniformity.



5012-1

Sprinkler Base Pressure [psi]									[bar]								
	30	35	40	45	50	55	60	65		2.07	2.41	2.76	3.10	3.45	3.79	4.14	4.48
#13 Nozzle - White [13/64"]									#13 Nozzle - White [5.16mm]								
Flow [gpm]	6.50	7.02	7.49	7.95	8.36	8.80	9.19	9.55	Flow [L/hr]	1476	1594	1701	1806	1899	1999	2087	2169
Diam. at 1.5' ht. [ft.]	77	83	89	93	97	100	103	105	Diam. at .046m ht. [m]	23.5	25.3	27.1	28.3	29.6	30.5	31.4	32.0
#14 Nozzle - Blue [7/32"]									#14 Nozzle - Blue [5.56mm]								
Flow [gpm]	7.49	8.09	8.63	9.17	9.66	10.1	10.6	11.0	Flow [L/hr]	1701	1837	1960	2083	2194	2294	2408	2498
Diam. at 1.5' ht. [ft.]	79	85	91	95	99	102	105	107	Diam. at .046m ht. [m]	24.1	25.9	27.7	29.0	30.2	31.1	32.0	32.6
#15 Nozzle - Dark Brown [15/64"]									#15 Nozzle - Dark Brown [5.95mm]								
Flow [gpm]	8.51	9.19	9.81	10.4	11.0	11.5	12.0	12.5	Flow [L/hr]	1933	2087	2228	2362	2498	2612	2725	2839
Diam. at 1.5' ht. [ft.]	81	87	93	97	101	104	107	109	Diam. at .046m ht. [m]	24.7	26.5	28.3	29.6	30.8	31.7	32.6	33.2
#16 Nozzle - Orange [1/4"]									#16 Nozzle - Orange [6.35mm]								
Flow [gpm]	9.63	10.4	11.1	11.8	12.4	13.0	13.6	14.2	Flow [L/hr]	2187	2362	2521	2680	2816	2953	3089	3225
Diam. at 1.5' ht. [ft.]	83	89	95	99	103	106	109	111	Diam. at .046m ht. [m]	25.3	27.1	29.0	30.2	31.4	32.3	33.2	33.8
#17 Nozzle - Dark Green [17/64"]									#17 Nozzle - Dark Green [6.75mm]								
Flow [gpm]	10.7	11.6	12.3	13.1	13.8	14.5	15.1	15.7	Flow [L/hr]	2430	2635	2794	2975	3134	3293	3430	3566
Diam. at 1.5' ht. [ft.]	85	91	96	100	105	108	111	113	Diam. at .046m ht. [m]	25.9	27.7	29.3	30.5	32.0	32.9	33.8	34.4
#18 Nozzle - Purple [9/32"]									#18 Nozzle - Purple [7.14mm]								
Flow [gpm]	11.9	12.9	13.7	14.6	15.4	16.1	16.8	17.5	Flow [L/hr]	2703	2930	3112	3316	3498	3657	3816	3975
Diam. at 1.5' ht. [ft.]	87	92	97	101	107	110	113	114	Diam. at .046m ht. [m]	26.5	28.0	29.6	30.8	32.6	33.5	34.4	34.7

Sprinkler performance may vary with actual field conditions. Diameters shown are for standard straight bore nozzles and stream straightening vanes. Other nozzles and/or vane combinations are available; Consult factory for specific performance data. Stream heights range from 3.5-6.0 ft. [1.1-1.8 m] above nozzle based on pressure and nozzle size. Minimum recommended riser height is 1.5 ft. [0.46 m].

Impacts] 50series

5023-1

Sprinkler Base Pressure [psi]									[bar]								
	30	35	40	45	50	55	60	65		2.07	2.41	2.76	3.10	3.45	3.79	4.14	4.48
#13 Nozzle - White [13/64"]									#13 Nozzle - White [5.16mm]								
Flow [gpm]	6.50	7.02	7.49	7.95	8.38	8.80	9.19	9.55	Flow [L/hr]	1476	1594	1701	1806	1903	1999	2087	2169
Diam. at 1.5' ht. [ft.]	92	95	98	100	102	103	104	105	Diam. at 0.46m ht. [m]	28.0	29.0	29.9	30.5	31.1	31.4	31.7	32.0
Diam. at 6.0' ht. [ft.]	99	102	104	106	108	110	112	114	Diam. at 1.83m ht. [m]	30.2	31.1	31.7	32.3	32.9	33.5	34.1	34.7
#14 Nozzle - Blue [7/32"]									#14 Nozzle - Blue [5.56mm]								
Flow [gpm]	7.49	8.09	8.63	9.17	9.66	10.1	10.6	11.0	Flow [L/hr]	1701	1837	1960	2083	2194	2294	2408	2498
Diam. at 1.5' ht. [ft.]	94	98	101	103	105	106	107	108	Diam. at 0.46m ht. [m]	28.7	29.9	30.8	31.4	32.0	32.3	32.6	32.9
Diam. at 6.0' ht. [ft.]	101	104	107	110	112	114	116	118	Diam. at 1.83m ht. [m]	30.8	31.7	32.6	33.5	34.1	34.7	35.4	36.0
#15 Nozzle - Dark Brown [15/64"]									#15 Nozzle - Dark Brown [5.95mm]								
Flow [gpm]	8.51	9.19	9.81	10.4	11.0	11.5	12.0	12.5	Flow [L/hr]	1933	2087	2228	2362	2498	2612	2725	2839
Diam. at 1.5' ht. [ft.]	96	100	103	106	107	108	109	110	Diam. at 0.46m ht. [m]	29.3	30.5	31.4	32.3	32.6	32.9	33.2	33.5
Diam. at 6.0' ht. [ft.]	102	106	109	112	114	116	118	120	Diam. at 1.83m ht. [m]	31.1	32.3	33.2	34.1	34.7	35.4	36.0	36.6
#16 Nozzle - Orange [1/4"]									#16 Nozzle - Orange [6.35mm]								
Flow [gpm]	9.63	10.4	11.1	11.8	12.4	13.0	13.6	14.2	Flow [L/hr]	2187	2362	2521	2680	2816	2953	3089	3225
Diam. at 1.5' ht. [ft.]	98	102	105	108	109	110	111	112	Diam. at 0.46m ht. [m]	29.9	31.1	32.0	32.9	33.2	33.5	33.8	34.1
Diam. at 6.0' ht. [ft.]	103	107	111	114	116	118	120	122	Diam. at 1.83m ht. [m]	31.4	32.6	33.8	34.7	35.4	36.0	36.6	37.2
#17 Nozzle - Dark Green [17/64"]									#17 Nozzle - Dark Green [6.75mm]								
Flow [gpm]	10.7	11.6	12.3	13.1	13.8	14.5	15.1	15.7	Flow [L/hr]	2430	2635	2794	2975	3134	3293	3430	3566
Diam. at 1.5' ht. [ft.]	99	104	107	110	111	112	113	114	Diam. at 0.46m ht. [m]	30.2	31.7	32.6	33.5	33.8	34.1	34.4	34.7
Diam. at 6.0' ht. [ft.]	104	108	112	115	118	120	122	124	Diam. at 1.83m ht. [m]	31.7	32.9	34.1	35.1	36.0	36.6	37.2	37.8
#18 Nozzle - Purple [9/32"]									#18 Nozzle - Purple [7.14mm]								
Flow [gpm]	11.9	12.9	13.7	14.6	15.4	16.1	16.8	17.5	Flow [L/hr]	2703	2930	3112	3316	3498	3657	3816	3975
Diam. at 1.5' ht. [ft.]	100	105	109	112	113	114	115	116	Diam. at 0.46m ht. [m]	30.5	32.0	33.2	34.1	34.4	34.7	35.1	35.4
Diam. at 6.0' ht. [ft.]	105	109	113	116	119	122	124	126	Diam. at 1.83m ht. [m]	32.0	33.2	34.4	35.4	36.3	37.2	37.8	38.4

5023-2

Sprinkler Base Pressure [psi]									[bar]								
	30	35	40	45	50	55	60	65		2.07	2.41	2.76	3.10	3.45	3.79	4.14	4.48
13x8 #13 Range Noz.-White [13/64"] x #8 Spreader Noz. [1/8"]									13x8 #13 Range Noz. - White [5.16mm] x #8 Spreader Noz. [3.18mm]								
Flow [gpm]	8.23	8.88	9.50	10.1	10.6	11.1	11.6	12.1	Flow [L/hr]	1869	2017	2158	2294	2408	2521	2635	2748
Diam. at 1.5' ht. [ft.]	92	95	98	100	102	103	104	105	Diam. at 0.46m ht. [m]	28.0	29.0	29.9	30.5	31.1	31.4	31.7	32.0
Diam. at 6.0' ht. [ft.]	99	102	104	106	108	110	112	114	Diam. at 1.83m ht. [m]	30.2	31.1	31.7	32.3	32.9	33.5	34.1	34.7
14x8 #14 Range Noz.-Blue [7/32"] x #8 Spreader Noz. [1/8"]									14x8 #14 Range Noz.-Blue [5.56mm] x #8 Spreader Noz. [3.18mm]								
Flow [gpm]	9.35	10.1	10.8	11.5	12.1	12.7	13.2	13.8	Flow [L/hr]	2124	2294	2453	2612	2748	2884	2998	3134
Diam. at 1.5' ht. [ft.]	94	98	101	103	105	106	107	108	Diam. at 0.46m ht. [m]	28.7	29.9	30.8	31.4	32.0	32.3	32.6	32.9
Diam. at 6.0' ht. [ft.]	101	104	107	110	112	114	116	118	Diam. at 1.83m ht. [m]	30.8	31.7	32.6	33.5	34.1	34.7	35.4	36.0
15x8 #15 Range Noz.-Dark Brown [15/64"] x #8 Spreader Noz. [1/8"]									15x8 #15 Range Noz.-Dark Brown [5.95mm] x #8 Spreader Noz. [3.18mm]								
Flow [gpm]	10.3	11.2	11.9	12.7	13.4	14.0	14.6	15.2	Flow [L/hr]	2339	2544	2703	2884	3043	3180	3316	3452
Diam. at 1.5' ht. [ft.]	96	100	103	106	107	108	109	110	Diam. at 0.46m ht. [m]	29.3	30.5	31.4	32.3	32.6	32.9	33.2	33.5
Diam. at 6.0' ht. [ft.]	102	106	109	112	114	116	118	120	Diam. at 1.83m ht. [m]	31.1	32.3	33.2	34.1	34.7	35.4	36.0	36.6
16x8 #16 Range Noz.-Orange [1/4"] x #8 Spreader Noz. [1/8"]									16x8 #16 Range Noz.-Orange [6.35mm] x #8 Spreader Noz. [3.18mm]								
Flow [gpm]	11.5	12.4	13.3	14.1	14.8	15.5	16.2	16.9	Flow [L/hr]	2612	2816	3021	3202	3361	3520	3679	3838
Diam. at 1.5' ht. [ft.]	98	102	105	108	109	110	111	112	Diam. at 0.46m ht. [m]	29.9	31.1	32.0	32.9	33.2	33.5	33.8	34.1
Diam. at 6.0' ht. [ft.]	103	107	111	114	116	118	120	122	Diam. at 1.83m ht. [m]	31.4	32.6	33.8	34.7	35.4	36.0	36.6	37.2
17x8 #17 Range Noz.-Dark Green [17/64"] x #8 Spreader Noz. [1/8"]									17x8 #17 Range Noz.-Dark Green [6.75mm] x #8 Spreader Noz. [3.18mm]								
Flow [gpm]	12.5	13.5	14.4	15.3	16.1	16.9	17.7	18.4	Flow [L/hr]	2839	3066	3271	3475	3657	3838	4020	4179
Diam. at 1.5' ht. [ft.]	99	104	107	110	111	112	113	114	Diam. at 0.46m ht. [m]	30.2	31.7	32.6	33.5	33.8	34.1	34.4	34.7
Diam. at 6.0' ht. [ft.]	104	108	112	115	118	120	122	124	Diam. at 1.83m ht. [m]	31.7	32.9	34.1	35.1	36.0	36.6	37.2	37.8
18x8 #18 Range Noz.-Purple [9/32"] x #8 Spreader Noz. [1/8"]									18x8 #18 Range Noz.-Purple [7.14mm] x #8 Spreader Noz. [3.18mm]								
Flow [gpm]	13.7	14.8	15.8	16.7	17.6	18.5	19.3	20.1	Flow [L/hr]	3112	3361	3589	3793	3997	4202	4384	4565
Diam. at 1.5' ht. [ft.]	100	105	109	112	113	114	115	116	Diam. at 0.46m ht. [m]	30.5	32.0	33.2	34.1	34.4	34.7	35.1	35.4
Diam. at 6.0' ht. [ft.]	105	109	113	116	119	122	124	126	Diam. at 1.83m ht. [m]	32.0	33.2	34.4	35.4	36.3	37.2	37.8	38.4

Stream heights range from 7.0-11.5 ft. [2.1-3.5 m] above nozzle based on pressure and nozzle size. Minimum recommended riser height is 1.5 ft. [0.46 m]