

TORO

SpecSheet

Super 700 Series Sprinklers

These precision-engineered, gear-driven sprinklers are an extremely popular choice for high performance at a terrific value. And with Super 700 Series, you get versatility—choose from four body types, an adjustable part- or full-circle model and 21 interchangeable nozzles. For all medium-to-large residential and commercial applications.



- 35 years of gear-driven design experience for reduced wear and longer life
- 21 interchangeable nozzles
- Small surface area reduces chance of slips and falls
- 21'-52' (6-16m) radius

**Commercial****Municipal****Athletic**

Toro Super 700 Series Sprinklers 21'-52' Radius

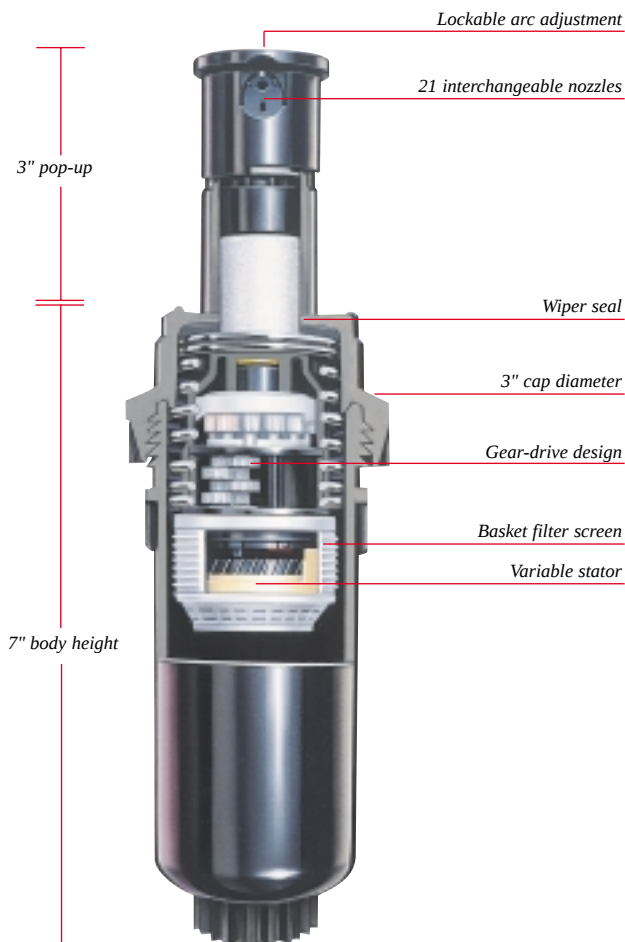
These precision-engineered, gear-driven sprinklers are an extremely popular choice for high performance at a terrific value. For all medium-to-large residential and commercial applications.

Features

- Uni-directional, full-circle and adjustable part-circle (40°-330°) models
- 21 interchangeable nozzles
- Adjustment screw allows up to 25% radius reduction
- Balanced precipitation rate nozzles
- Lockable arc adjustment
- Check-O-Matic models available preventing low-head drainage and keeping laterals charged with water (check valve standard on shrub and high-pop models)
- Stainless-steel riser sleeve (S700C)
- Locking cap (S700C, high-pop)



- Side-inlet body (high-pop)
- Gear-drive design
- Basket filter screen
- Stainless-steel retraction spring
- Wiper seal
- Durable engineering plastic and stainless-steel construction
- Small surface diameter
- At-grade installation
- Effluent identification plug available (Part No. 89-3816)



Super 700 Lawn

Specifying Information

S700XX XC X.X XX			
Body	Arc	Nozzle	Angle
P—Lawn C—Commercial HP—High-Pop S—Shrub Body	P—Part-Circle F—Full-Circle	15—1.5 20—2.0 30—3.0 45—4.5 60—6.0 75—7.5 90—9.0	SA—Standard Angle 25° LA—Low Angle 15° FA—Flat Angle 7°
Optional Models Available			
S700-F-CKVL—Full-Circle Less Nozzle, w/Check Valve			
S700-PC-CKVL—Part-Circle Less Nozzle, w/Check Valve			
For Example: When specifying a Super 700 Series High-Pop Sprinkler with a 360° arc and #3.0 flat-angle nozzle, you would specify: S700HP-FC-30-FA			

Specifications

Nozzle Performance

- Optimum nozzle performance range: 35-60 PSI (2,4-4 Bar)
- Operating pressure range: 25-75 PSI (1,7-5,2 Bar)
- Maximum operating pressure: 75 PSI (5,2 Bar)
- Trajectory:
 - Standard angle: 25°
 - Low angle: 15°
 - Flat angle: 7°



Super 700 Series Nozzles: Top Row — Standard Angle
Middle Row — Low Angle
Bottom Row — Flat Angle

Lawn Pop-Up and Commercial

- Radius: 21'-52' (6-16m)
- Flow rate: 1.11-9.75 GPM (4-37 LPM)
- ¾" (20mm) NPT female-threaded inlet
- Dimensions:
 - Body diameter: 2½" (59mm)
 - Cap diameter: 3" (75mm)
 - Height: 7" (180mm)
- Check valve maintains up to 10' (3m) elevation change (S700C)

Apex at 40 PSI			
Nozzle Series	Maximum Ht. of Spray		
	25°	15°	7°
1.5	7'6"	4'10"	2'6"
2.0	8'0"	5'4"	2'1"
3.0	8'6"	5'2"	2'
4.5	9'0"	5'7"	1'1"
6.0	10'0"	5'5"	2'1"
7.5	10'6"	5'6"	2'7"
9.0	11'0"	5'5"	2'3"

- Pop-up to nozzle: 3" (75mm)

Shrub

- Radius: 21'-52' (6-16m)
- Flow rate: 1.11-9.75 GPM (4-37 LPM)
- Tapered ½" (13mm) to ¾" (20mm) female-threaded inlets
- Dimensions:
 - Body diameter: 1¾" (45mm)
 - Cap diameter: 3" (75mm)
 - Height: 5½" (131mm)
- Check valve maintains up to 8' (2,4m) elevation change

High-Pop

- Radius: 21'-52' (6-16m)
- Flow rate: 1.11-9.75 GPM (4-37 LPM)
- ¾" (20mm) female-threaded bottom and side inlets
- Side-inlet body
- Side inlet: 7" (180mm) from top of cap to center of side inlet
- Check valve maintains up to 10' (3m) elevation change
- Dimensions:
 - Body diameter: 2½" (60mm)
 - Cap diameter: 3" (75mm)
 - Height: 16½" (420mm)
- Pop-up to nozzle: 10½" (270mm)

Note: Specifications subject to change without notice.

For more information, contact your local Toro distributor.

Super 700 Series Nozzle Performance Chart—US

Nozzle Size/Color		25° Standard Angle				15° Low Angle				7° Flat Angle				Nozzle Size/Color		25° Standard Angle				15° Low Angle				7° Flat Angle			
	PSI	RAD	GPM	▲	■	RAD	GPM	▲	■	RAD	GPM	▲	■		PSI	RAD	GPM	▲	■	RAD	GPM	▲	■	RAD	GPM	▲	■
1.5  ORANGE	25	35	1.11	0.10	0.09	30	1.11	0.14	0.12	21	1.11	0.28	0.24	6.0  GREEN	25	39	4.13	0.30	0.26	35	4.13	0.37	0.32	22	4.13	0.95	0.82
	30	36	1.23	0.11	0.09	31	1.23	0.15	0.12	22	1.23	0.28	0.24		30	42	4.63	0.29	0.25	36	4.63	0.40	0.34	25	4.63	0.82	0.71
	35	37	1.34	0.11	0.09	32	1.34	0.15	0.13	23	1.34	0.28	0.24		35	44	5.08	0.29	0.25	38	5.08	0.39	0.34	27	5.08	0.77	0.67
	40	38	1.45	0.11	0.10	33	1.45	0.15	0.13	24	1.45	0.28	0.24		40	46	5.50	0.29	0.25	39	5.50	0.40	0.35	30	5.50	0.68	0.59
	45	39	1.55	0.11	0.10	34	1.55	0.15	0.13	25	1.55	0.28	0.24		46	47	5.90	0.30	0.26	41	5.90	0.39	0.34	32	5.90	0.64	0.55
	50	40	1.64	0.11	0.10	35	1.64	0.15	0.13	26	1.64	0.27	0.23		50	49	6.28	0.29	0.25	43	6.28	0.38	0.33	33	6.28	0.64	0.56
	55	40	1.72	0.12	0.10	36	1.72	0.15	0.13	27	1.72	0.26	0.23		55	50	6.58	0.29	0.25	45	6.58	0.36	0.34	34	6.58	0.63	0.55
60	41	1.80	0.12	0.10	37	1.80	0.15	0.13	28	1.80	0.26	0.22	60	51	6.88	0.29	0.25	47	6.88	0.35	0.30	35	6.88	0.62	0.54		
2.0  RED	25	35	1.42	0.13	0.11	31	1.42	0.16	0.14	21	1.42	0.36	0.31	7.5  LIGHT GRAY	25	41	5.35	0.35	0.31	35	5.35	0.49	0.42	20	5.35	1.49	1.29
	30	36	1.58	0.14	0.12	32	1.58	0.17	0.15	22	1.58	0.36	0.31		30	42	5.92	0.37	0.32	37	5.92	0.48	0.42	22	5.92	1.36	1.18
	35	37	1.73	0.14	0.12	33	1.73	0.18	0.15	24	1.73	0.33	0.29		35	44	6.45	0.37	0.32	39	6.45	0.47	0.41	25	6.45	1.15	0.99
	40	39	1.86	0.14	0.12	35	1.86	0.17	0.15	25	1.86	0.33	0.29		40	46	6.94	0.36	0.32	42	6.94	0.44	0.38	27	6.94	1.06	0.92
	45	40	1.99	0.14	0.12	36	1.99	0.17	0.15	26	1.99	0.33	0.28		45	48	7.41	0.36	0.31	43	7.41	0.45	0.39	29	7.41	0.98	0.85
	50	41	2.11	0.14	0.12	37	2.11	0.17	0.15	27	2.11	0.32	0.28		50	50	7.84	0.35	0.30	45	7.84	0.43	0.37	31	7.84	0.91	0.79
	55	42	2.21	0.14	0.12	38	2.21	0.17	0.15	28	2.21	0.31	0.27		55	50	8.22	0.37	0.32	46	8.22	0.43	0.37	34	8.22	0.79	0.68
60	43	2.31	0.14	0.12	39	2.31	0.17	0.15	29	2.31	0.31	0.26	60	51	8.59	0.37	0.32	47	8.59	0.43	0.37	38	8.59	0.66	0.57		
3.0  BLACK	25	38	2.40	0.18	0.16	33	2.40	0.27	0.21	22	2.40	0.55	0.48	9.0  DARK GRAY	25	42	5.64	0.36	0.31	34	5.64	0.54	0.47	21	5.64	1.42	1.23
	30	39	2.66	0.19	0.17	34	2.66	0.26	0.22	23	2.66	0.56	0.48		30	45	6.28	0.34	0.30	36	6.28	0.54	0.47	23	6.28	1.32	1.14
	35	40	2.89	0.20	0.17	35	2.89	0.26	0.23	25	2.89	0.51	0.45		35	47	6.87	0.35	0.30	38	6.87	0.53	0.46	25	6.87	1.22	1.06
	40	41	3.12	0.21	0.18	37	3.12	0.25	0.22	26	3.12	0.51	0.44		40	48	7.42	0.36	0.31	41	7.42	0.49	0.43	27	7.42	1.13	0.98
	45	42	3.32	0.21	0.18	38	3.32	0.26	0.22	27	3.32	0.51	0.44		45	50	7.93	0.35	0.31	42	7.93	0.50	0.43	30	7.93	0.98	0.85
	50	43	3.52	0.21	0.18	39	3.52	0.26	0.22	28	3.52	0.50	0.43		50	51	8.90	0.38	0.33	44	8.90	0.51	0.44	32	8.90	0.97	0.84
	55	44	3.69	0.21	0.18	40	3.69	0.26	0.22	29	3.69	0.49	0.42		55	51	9.33	0.40	0.35	46	9.33	0.49	0.42	35	9.33	0.85	0.73
60	45	3.86	0.21	0.18	41	3.86	0.26	0.22	30	3.86	0.48	0.41	60	52	9.75	0.40	0.35	48	9.75	0.47	0.41	37	9.75	0.79	0.69		
4.5  BLUE	25	39	2.80	0.20	0.18	34	2.80	0.27	0.23	22	2.80	0.64	0.56														
	30	40	3.13	0.22	0.19	36	3.13	0.27	0.23	25	3.13	0.56	0.48														
	35	41	3.43	0.23	0.20	37	3.43	0.28	0.24	27	3.43	0.52	0.45														
	40	43	3.71	0.22	0.19	39	3.71	0.27	0.23	29	3.71	0.49	0.42														
	45	45	3.98	0.22	0.19	41	3.98	0.26	0.23	30	3.98	0.49	0.43														
	50	46	4.23	0.23	0.19	42	4.23	0.27	0.23	31	4.23	0.49	0.42														
	55	46	4.44	0.23	0.20	42	4.44	0.28	0.24	33	4.44	0.45	0.39														
60	47	4.64	0.23	0.20	43	4.64	0.28	0.24	34	4.64	0.45	0.39															

* ▲ Precipitation rates are for triangular spacing, shown in inches per hour, calculated at 50% of diameter.

■ Precipitation rates are for square spacing, shown in inches per hour, calculated at 50% of diameter.

All performance specifications are based on the stated working pressure available at the base of the sprinkler.

Radius shown in feet.

Super 700 Series Nozzle Performance Chart—Metric

Nozzle Size/Color	Pressure			25° Standard Angle		15° Low Angle		7° Flat Angle		Nozzle Size/Color	Pressure			25° Standard Angle		15° Low Angle		7° Flat Angle	
	Bar	kPa	Kg/cm²	RAD	LPM	RAD	LPM	RAD	LPM		Bar	kPa	Kg/cm²	RAD	LPM	RAD	LPM	RAD	LPM
1.5 ORANGE	1.5	150	1.53	10.5	3.9	8.9	3.9	6.2	3.9	6.0 GREEN	1.5	150	1.53	11.3	14.4	10.5	14.4	6.1	14.4
	2.0	200	2.04	10.9	4.6	9.4	4.6	6.6	4.6		2.0	200	2.04	12.6	17.1	10.9	17.1	7.4	17.1
	2.5	250	2.55	11.4	5.2	9.8	5.2	7.1	5.2		2.5	250	2.55	13.6	19.6	11.7	19.6	8.5	19.6
	3.0	300	3.06	11.8	5.8	10.3	5.8	7.5	5.8		3.0	300	3.06	14.2	21.9	12.3	21.9	9.6	21.9
	3.5	350	3.57	12.2	6.3	10.7	6.3	8.0	6.3		3.5	350	3.57	15.0	23.9	13.2	23.9	10.1	23.9
	4.0	400	4.08	12.4	6.7	11.2	6.7	8.4	6.7		4.0	400	4.08	15.4	25.6	14.1	25.6	10.5	25.6
2.0 RED	1.5	150	1.53	10.6	5.2	9.4	5.2	6.3	5.2	7.5 LT. GRAY	1.5	150	1.53	12.3	18.8	10.3	18.8	5.7	18.8
	2.0	200	2.04	11.0	6.0	9.8	6.0	6.7	6.0		2.0	200	2.04	12.7	22.0	11.2	22.0	6.6	22.0
	2.5	250	2.55	11.4	6.7	10.2	6.7	7.4	6.7		2.5	250	2.55	13.6	24.9	12.1	24.9	7.8	24.9
	3.0	300	3.06	12.1	7.4	10.9	7.4	7.8	7.4		3.0	300	3.06	14.4	27.5	13.0	27.5	8.7	27.5
	3.5	350	3.57	12.5	8.0	11.3	8.0	8.3	8.0		3.5	350	3.57	15.2	29.9	13.8	29.9	9.6	29.9
	4.0	400	4.08	13.0	8.6	11.8	8.6	8.7	8.6		4.0	400	4.08	15.4	32.0	14.2	32.0	11.1	32.0
3.0 BLACK	1.5	150	1.53	11.4	8.4	9.9	8.4	6.5	8.4	9.0 DK. GRAY	1.5	150	1.53	12.2	26.0	10.0	26.0	6.0	26.0
	2.0	200	2.04	11.8	9.9	10.3	9.9	6.9	9.9		2.0	200	2.04	13.5	24.0	10.9	24.0	6.9	24.0
	2.5	250	2.55	12.3	11.2	10.8	11.2	7.7	11.2		2.5	250	2.55	14.4	26.5	11.8	26.5	7.8	26.5
	3.0	300	3.06	12.7	12.3	11.5	12.3	8.1	12.3		3.0	300	3.06	15.1	29.4	12.7	29.4	8.9	29.4
	3.5	350	3.57	13.2	13.4	11.9	13.4	8.6	13.4		3.5	350	3.57	15.5	33.9	13.5	33.9	9.9	33.9
	4.0	400	4.08	13.6	14.4	12.4	14.4	9.0	14.4		4.0	400	4.08	15.7	36.3	14.4	36.3	11.0	36.3
4.5 BLUE	1.5	150	1.53	11.7	9.8	10.0	9.8	6.1	9.8										
	2.0	200	2.04	12.1	11.6	10.9	11.6	7.4	11.6										
	2.5	250	2.55	12.6	13.2	11.4	13.2	8.4	13.2										
	3.0	300	3.06	13.5	14.8	12.3	14.8	9.1	14.8										
	3.5	350	3.57	14.0	16.1	12.8	16.1	9.5	16.1										
	4.0	400	4.08	14.2	17.3	13.0	17.3	10.2	17.3										