

TORO

SpecSheet

340 Series Stream Rotor® with Omni™ Nozzle and XP-300 Series Sprinklers

Proven reliability. Matched-precipitation-rate technology. Gentle watering process. Still acclaimed for its superior performance and beauty, the Toro gear-driven, multi-stream sprinklers are better than ever.

With the 340 Series Stream Rotor, we've given you more — higher pop-up height of 4"; standard check valve on the 4" pop-up model; plastic arc tree for each sprinkler, including all nine patterns; and a standard Omni nozzle.

Both the 340 Series Stream Rotor and XP-300 Series sprinklers' gentle distribution is ideal for lawn and ground cover — especially on slopes or tight soils. And, their arc discs automatically deliver exact, proportional flow rates. This ensures matched precipitation rates (MPR), or uniform coverage, where every blade of grass receives no more, and no less water than the next. Toro multi-stream sprinklers — acclaimed reliability with superior performance.



- "Fingers of water," multiple rotating stream pattern
- Matched precipitation rates
- Standard check valve on 4" pop-up (340 Series)
- Full family for all applications
- Twelve rotating streams for lower instantaneous precipitation rates (340 Series)
- Standard adjustable Omni nozzle
- Standard plastic arc tree with choice of nine arcs (340 Series)

**Residential****Commercial****Municipal**

Toro 340 Series Stream Rotor Sprinklers 15'-30' Radius

Acclaimed for its superior performance and recognized for its graceful “fingers of water,” the Toro 340 Stream Rotor is even better.

Features

- Multiple rotating stream pattern
- True matched precipitation rates
- Standard Omni nozzle and arc tree with choice of nine plastic arc discs
- Planetary water-lubricated gear-drive design for longer life
- Large basket filter screen
- Durable engineering plastic and stainless-steel construction

- Standard check valve prevents low-head drainage keeping laterals charged with water (lawn pop-up model)
- Effluent indicators available:
 - Omni nozzle cover (Part No. 89-7853)
 - Omni nozzle cover, hi-pop (Part No. 89-7854)
 - Standard nozzle plug (Part No. 89-7889)

Specifications

Nozzle Performance

- Fixed-radius models:
 - 01—16'-18'
 - 02—21'-24'
 - 03—28'-30'
 - 63[§]—28'-30'
 - 93[§]—28'-30'
- Omni adjustable-radius models: 15'-30'
- Flow rate: 0.57-7.51 GPM
- Trajectory: 27°

Apex at 50 PSI (27° Trajectory)

Nozzle	#01	#02	#03	#63	#93	Omni
Max. Spray Ht.	4'10"	5'1"	5'11"	7'	6'3"	5'11"

Lawn Pop-Up

- Recommended operating pressure: 35-50 PSI
- Maximum operating pressure: 75 PSI
- Pop-up to nozzle: 3¾"
- ¾" female-threaded inlet
- Dimensions:
 - Body diameter: 2⅝"
 - Cap diameter: 3"
 - Height: 7"
- Locking cap available (Part No. 35-1344)

Shrub

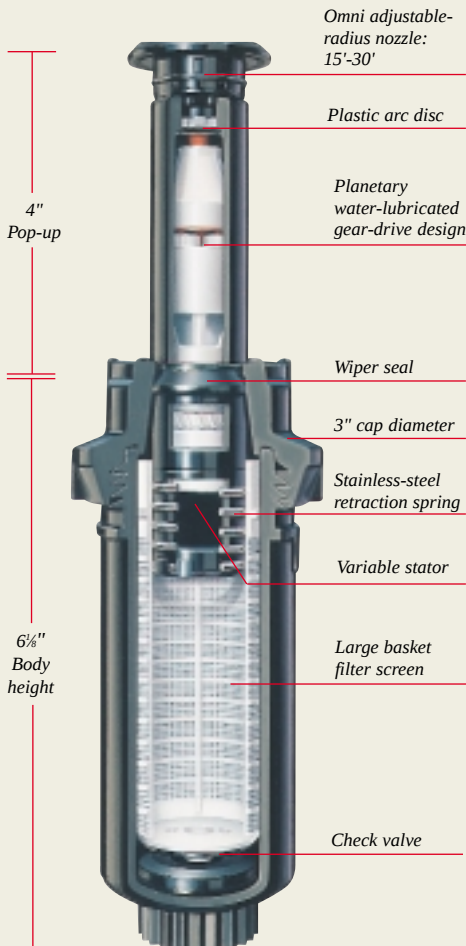
- Recommended operating pressure: 35-50 PSI
- Maximum operating pressure: 75 PSI
- ½" to ¾" female-threaded inlet
- Dimensions:
 - Base diameter: 2"
 - Height: 6"

12" Pop-Up

- Recommended operating pressure: 35-50 PSI
- Maximum operating pressure: 75 PSI
- Pop-up to nozzle: 11¾"
- ¾" female-threaded bottom and side inlets
- Side inlet: 7" from top of sprinkler to center of side inlet
- Dimensions:
 - Body diameter: 2⅝"
 - Cap diameter: 3"
 - Height: 16"
- Standard locking cap

Note: Specifications subject to change without notice.

For more information, contact your local Toro distributor.



Matched precipitation rate (MPR) refers to uniform delivery of water across each square foot of an irrigated area. Each sprinkler's coverage provides every blade of grass with no more — and no less water than the next. The result is high-precision application, and consistently green, healthy turf.

340 Series Fixed-Radius Nozzle Performance Chart — Optional

* ▲ Precipitation rates are for triangular spacing, shown in inches per hour, calculated at 55% 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 head.

§ Low gallonage.

340 Lawn Pop-Up

Toro 300 Series Omni™ Nozzle 15'-30' Radius

Standard with the 340 Series Stream Rotor, you can adjust the radius of the popular Toro Stream Rotors from 15' to 30' with a single nozzle. It affords you greater design versatility and allows you to fine-tune the spray for differences in spacing between sprinklers. Now the most attractive looking sprinkler in the industry is the most versatile too.

Features

- Adjustable radius from 15'-30'
- No adjustment tools necessary
- Easy installation and retrofit
- Matched precipitation between arcs
- For small-to-medium sized turf and shrub areas

Specifications

- Omni adjustable-radius models: 15'-30'
- Flow rate: 0.83-7.51 GPM
- Trajectory: 27°
- Maximum height of spray: 5'11" @ 50 PSI
- Recommended operating pressure: 35-50 PSI
- Maximum operating pressure: 75 PSI

Models

- 300-15 fits all Lawn and Shrub 340 Stream Rotor bodies
- 300-25 fits all 12" Hi-Pop 340 Stream Rotor bodies
- Effluent indicators:
 - 300-15 (Part No. 89-7853)
 - 300-25 (Part No. 89-7854)

Note: Specifications subject to change without notice.

For more information, contact your local Toro distributor.



300-15 Omni™ Adjustable Radius Nozzle Performance Chart — Standard

			●	◐	◑	◒	◓	◔	◕	◖	◗
			360°	270°	225°	202.5°	180°	157.5°	135°	112.5°	90°
PSI	Radius	Prec. Rates*	Gallons Per Minute								
35	15'	1.69	3.41	2.55	2.13	1.91	1.70	1.49	1.28	1.06	0.83
35	18'	1.37	4.00	3.00	2.50	2.25	2.00	1.75	1.50	1.24	1.00
35	21'	1.15	4.58	3.44	2.86	2.58	2.29	2.01	1.72	1.42	1.15
35	24'	0.99	5.17	3.88	3.23	2.91	2.58	2.26	1.94	1.60	1.29
35	26'	0.95	5.76	4.32	3.60	3.24	2.88	2.52	2.16	1.79	1.44
50	18'	1.60	4.65	3.49	2.91	2.62	2.33	2.04	1.74	1.44	1.16
50	21'	1.35	5.36	4.02	3.35	3.02	2.68	2.35	2.01	1.66	1.34
50	24'	1.17	6.08	4.56	3.80	3.42	3.04	2.66	2.28	1.88	1.52
50	27'	1.04	6.79	5.09	4.24	3.82	3.40	2.97	2.55	2.10	1.70
50	30'	0.93	7.51	5.63	4.69	4.32	3.75	3.29	2.82	2.33	1.88

* Precipitation rates are for triangular spacing, shown in inches per hour, calculated at 55% of diameter.



Specifying Information — 340 Series Sprinklers

34XX XX XX			
Arc	Body	Nozzle	
04—90° 05—112.5° 06—135° 07—157.5° 08—180°	09—202.5° 10—225° 12—270° 16—360°	00—Lawn Pop-Up 10—Shrub 12—Hi-Pop	01—Small Radius, 12 Ports 02—Medium Radius, 12 Ports 03—Large Radius, 12 Ports 15—Adjustable (Omni) Shrub & Lawn Pop-up 25—Adjustable (Omni) Nozzle (Hi-Pop) 63—Large Radius, 6 Ports, Low GPM 93—Large Radius, 9 Ports, Low GPM
For Example: When specifying a half-circle 340 Series lawn pop-up with a standard Omni nozzle, you would specify: 3408-00-15			

Toro XP-300 Series Sprinklers 28'-43' Radius

Quietly beautiful, these water-efficient sprinklers are as effective as they are pleasing to watch. For medium-to-large lawn and shrub areas.

Features

- Multiple rotating stream pattern
- Matched precipitation rates
- Choice of four nozzles and 11 interchangeable arc discs
- Adjustment screw allows up to 25% radius reduction
- Planetary, water-lubricated gear-drive design
- Planetary, water-lubricated gear-drive design
- Fine-mesh basket filter screen

- Durable engineering plastic and stainless-steel construction
- Effluent identification plug available (Part No. 89-3816)

Specifications

Nozzle Performance

- Radius: 28'-43'
- Flow rate: 1.01-10.81 GPM
- Trajectory: 28°

Apex at 50 PSI (28° Trajectory)				
Nozzle	#05	#07	#09	#10
Max. Spray Ht.	9'3"	9'1"	9'1"	9'6"

Lawn Pop-Up

- Recommended operating pressure: 35-60 PSI
- Maximum operating pressure: 75 PSI
- Pop-up: 3¾"
- Pop-up to nozzle: 3½"
- ¾" female-threaded inlet

- Dimensions:
 - Body diameter: 2¾"
 - Cap diameter: 3"
 - Height: 6½"
- Locking cap available (Part No. 35-1344)

Shrub

- Recommended operating pressure: 35-60 PSI
- Maximum operating pressure: 75 PSI
- ½" to ¾" female-threaded inlet
- Dimensions:
 - Base diameter: 1¾"
 - Height: 6½"

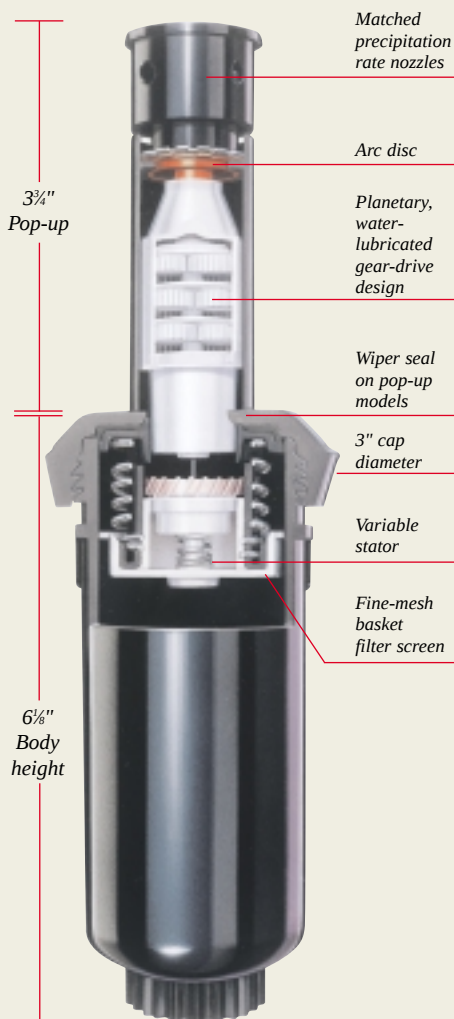
Hi-Pop

- Recommended operating pressure: 35-60 PSI
- Maximum operating pressure: 75 PSI
- Pop-up: 12¾"

- Pop-up to nozzle: 12½"
- ¾" female-threaded bottom and side inlets
- Side inlet: 7" from top of sprinkler to center of side inlet
- Dimensions:
 - Body diameter: 2¾"
 - Cap diameter: 3"
 - Height: 16½"

Note: Specifications subject to change without notice.

For more information, contact your local Toro distributor.



XP-300 Lawn Pop-Up

XP-300 Series Nozzle Performance Chart

		360° 270° 250° 225° 210° 195° 180° 165° 140° 115° 90°										
Nozzle	PSI	Radius	Prec. Rates*		Gallons Per Minute							
			▲	■								
05§	35	28'	.57	.50	4.04	3.03	2.81	2.53	2.36	2.19	2.02	1.85
	40	29'	.56	.48	4.23	3.24	3.00	2.70	2.52	2.34	2.16	1.98
	50	30'	.60	.52	4.83	3.62	3.35	3.02	2.82	2.62	2.42	2.21
	60	31'	.51	.53	5.29	3.97	3.67	3.31	3.09	2.87	2.65	2.42
07	35	36'	.49	.42	5.70	4.28	3.93	3.60	3.31	3.08	2.85	2.62
	40	38'	.47	.41	6.14	4.61	4.24	3.87	3.56	3.32	3.07	2.82
	50	40'	.48	.41	6.85	5.14	4.73	4.32	3.97	3.70	3.43	3.15
	60	41'	.49	.43	7.47	5.60	5.15	4.71	4.33	4.03	3.74	3.44
09	35	38'	.53	.46	6.94	5.21	4.79	4.37	4.03	3.75	3.47	3.19
	40	39'	.54	.47	7.43	5.57	5.13	4.68	4.31	4.01	3.72	3.42
	50	41'	.55	.48	8.38	6.29	5.78	5.28	4.86	4.53	4.19	3.85
	60	43'	.56	.48	9.26	6.95	6.39	5.83	5.37	5.00	4.63	4.26
10	35	37'	.65	.56	7.95	5.96	5.49	5.01	4.61	4.29	3.98	3.66
	40	39'	.63	.54	8.58	6.44	5.92	5.41	4.98	4.63	4.29	3.95
	50	41'	.65	.56	9.76	7.32	6.73	6.15	5.66	5.27	4.88	4.49
	60	42'	.68	.59	10.81	8.11	7.46	6.81	6.27	5.84	5.41	4.97

* ▲ Precipitation rates are for triangular spacing, shown in inches per hour, calculated at 55% 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 head.

§ Available for service only.

Specifying Information — XP300 Series Sprinkler

XP300 XX XX XX				
Body	Arc		Nozzle	
P—Lawn Pop-Up	Q—90°	140—140°	225—225°	05*
S—Shrub	H—180°	165—165°	250—250°	07
HP—Hi-Pop	F—360°	195—195°	270—270°	09
	115—115°	210—210°		10
For Example: When specifying a XP-300 Series Lawn Pop-Up Sprinkler with a 180° arc and #09 nozzle, you would specify: XP300P-H-09				

* Available for service only.

TORO

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