

TORO**Count on it.**

Toro Irrigation Precision™ Series Rotating Stream Nozzles

Rotary Sprinklers

Based on the design of the world's leading gear-driven rotor for golf applications, the Precision Series Rotating Nozzle, powered by its proven planetary gear drive, delivers wind-resistant, multistream, multi-trajectory patterns.



Both the full circle and adjustable arc models deliver a radius range of 4.6 - 7.9 metres with exceptional uniformity and outstanding close-in watering, preventing the need to extend irrigation cycles to compensate for brown spots.

The consistent matched precipitation rate of 14mm per hour helps maintain turf in small to medium sized lawns.

Features at a Glance

Benefits at a Glance

Gear Driven

- Precision Series Rotating Stream Nozzles utilise a proven planetary gear drive, variable stator and turbine to rotate the nozzle. The entire gear package is contained in the area behind the fine mesh filter screen.



Efficient Filtering

- Particles large enough to enter through the filter will exit out of the nozzle plate through multi-streams.

Fewer Models

- Two male-threaded nozzles and two female-threaded nozzles are all that is required to cover a radius range from 4.6 - 7.9 metres and 45 - 360° arcs.



Inventory Reduction

- Precision Series Rotating Stream Nozzles reduce the number of models that need to be carried in inventory.

Matched Precipitation Rate of 14mm/hr

- These nozzles deliver water slower and more evenly than standard spray nozzles.



Provides Even and Slow Watering

- Water is delivered at a rate which most soils can take up for more effective watering.

Consistent Speed of Rotation

- Precision Series Rotating Stream Nozzle is not dependent on system pressure like competitive models. The gear drive mechanism delivers a relatively consistent speed of rotation regardless of system pressure.



Operates Efficiently at Low and High kPa

- The gear drive allows for a wider operating pressure range of 170 - 520 kPa. Precision Series Rotating Stream Nozzles will not stall at low pressure.

Higher Output Torque

- This gear drive develops an output power that is 10 times stronger than the output torque of competitive units.



Ensured Positive Rotation


- This ensures positive rotation with no slowing caused by environmental factors such as blades of grass, or small debris pushing up against the nozzle.

Warranty : Toro is confident in the Precision Stream Nozzles and offers a five (5) year warranty period.

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FULL CIRCLE PERFORMANCE

Arc	kPa	LPM	Radius (m)	PR (mm/h)	SOR (sec/rev)
	170	6.9	4.6	19.5	12.5
	240	8.9	5.8	15.9	12.3
	310	12.0	6.7	16.0	12.0
	450	14.6	7.0	17.9	9.8
	520	15.8	7.6	16.5	9.5

25% Radius Reduction by turning set screw 60° | Precipitation Rate (PR): mm/hr for square spacing | SOR: Speed of Rotation (sec.)

ADJUSTABLE PERFORMANCE

Arc	kPa	LPM	Radius (m)	PR (mm/h)	SOR (sec/rev)
	170	1.7	4.9	17.2	12.5
	240	2.0	5.8	14.6	12.3
	310	2.5	6.7	13.5	12.0
	450	3.1	7.6	13.0	11.6
	520	3.4	7.9	12.9	11.5
	170	2.9	4.6	16.5	11.7
	240	3.9	5.8	14.1	11.4
	310	5.0	6.7	13.2	11.0
	450	6.3	7.6	13.0	10.2
	520	6.7	7.9	12.8	10.0
	170	4.1	4.3	17.7	11.2
	240	5.2	5.5	13.7	11.0
	310	6.9	6.4	13.5	10.5
	450	8.9	7.3	13.3	10.0
	520	9.9	7.6	13.6	9.5

25% Radius Reduction by turning set screw 60° | Precipitation Rate (PR): mm/hr for square spacing | SOR: Speed of Rotation (sec.)
Adjustable arc MPR 5.8m - 7.9m

EZ ARC™ Visual Arc Adjustment



The unique adjustment method allows for pre-setting of arc by hand or tool before the nozzle is installed. Visual indicators allow the user to quickly adjust the arc pattern to the desired arc from 45 - 270°. The adjustment band can be adjusted by hand or with the adjustment tool.

Step-Up™ Technology



Step-Up™ Technology is designed to deliver high uniformity with matched precipitation for in-close watering all the way out to the furthest radius point. The unique 'steps' create 15 streams, each designed to cover an area of the pattern.

Dealer Stamp

**For Customer Service Call
Toro Irrigation on 1300 130 898**

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