

TORO

PRECISION™ SERIES ROTATING NOZZLES



Making use of the same patented gear drive technology found in Toro's world-leading Golf rotors, Toro® Precision™ Series Rotating Nozzles are powered by a planetary drive system that delivers a pattern of multiple wind resistant, multi-trajectory streams. The full circle and adjustable arc models deliver a radius range of 14 to 26 feet with exceptional uniformity and close-in watering characteristics at a precipitation rate of 0.6 inches per hour.

FEATURES & BENEFITS

Consistent, Gear-Driven Performance

Precision™ Series Rotating Nozzles are uniquely powered by a patented planetary gear drive, variable stator and turbine. Unlike competing rotating nozzles, the Precision™ Series Rotating Nozzle's gear drive is not system pressure dependent and delivers consistent rotation speed and performance across a wide range of operating pressures. The entire drive system is protected by the factory-installed fine mesh filter screen.

Fewer Models

Two models are all that are required to cover radius requirements of 14 to 26 feet and infinitely adjustable arcs between 45° and 270° or 360°. Fewer models allow for less inventory and more flexibility.

Matched Precipitation Rate

These nozzles deliver water more slowly and evenly than standard spray nozzles, which helps prevent runoff and water waste. Moreover, the 0.6" per hour precipitation rate better positions users to meet watering window requirements than competing rotating nozzles.

EZ ARC™ Visual Arc Indicators

Toro Precision™ Series Rotating Nozzles are the only rotating nozzles available that allow the user to dial in the nozzle's arc setting before installation. Further, the nozzle features a right edge call-out on adjustable models that assists in quick and effective installations.



ADJUSTABLE
Male-threaded
PRN-TA



FULL CIRCLE
Male-threaded
PRN-TF

WATER MANAGEMENT HIGHLIGHT



Precision™ Series Rotating Nozzles supply matched precipitation with any arc and radius from 14 to 26 feet. Water is applied slowly and evenly to reduce runoff and wasted water.



Step-Up™ Technology

Enables the delivery of a highly uniform pattern of water all the way out to the furthest point of the radius. The unique steps create fifteen streams, each designed to cover an area of the pattern.



Precision™ Series Rotating Nozzle Visual Arc Adjustment

The unique arc adjustment ring dial allows for pre-setting the arc by hand or with the PRNTOOL before the nozzle is installed or quickly after the nozzle is threaded onto the spray head and under pressure.

Specifying Information—Precision™ Series Rotating Nozzle

PRN-XX		
Model	Thread	Arc
PRN	X	X
PRN—Precision™ Rotating Nozzle	T—Toro (male)-thread	A—Adjustable F— Full circle
Example: A male threaded Precision™ Series Rotating nozzle with a 24' radius and a 180° arc would be specified as: PRN-TA		

Note: For optimal performance in dirty water applications, a minimum of 120 mesh primary filtration is recommended.

SPECIFICATIONS

Operational

- Radius: 14'-26'
- Operating pressure range: 20-75 psi
- Recommended operating pressure: 45 psi

Warranty

- Five years

Additional Features

- ✓ Maximum trajectory height of 20° to help fight wind
- ✓ For use with all Toro 570Z series spray heads and shrub adapters
- ✓ Pre-attached screen for easy installation
- ✓ Radius reduction up to 25% by turning set screw
- ✓ Color-coded to easily identify adjustable and full circle models

PERFORMANCE DATA

PRECISION™ SERIES ROTATING NOZZLES

Arc	psi	gpm	Radius	Precip. Rate ■ (in./hr.)	Precip. Rate ▲ (in./hr.)
45°	20	0.17	14.0	0.67	0.77
	30	0.19	15.0	0.65	0.75
	40	0.25	17.0	0.67	0.77
	50	0.31	18.5	0.70	0.81
	60	0.35	19.5	0.71	0.82
	75	0.43	22.0	0.68	0.79
90°	20	0.43	16.0	0.65	0.75
	30	0.49	17.5	0.62	0.71
	40	0.62	20.5	0.57	0.66
	50	0.75	22.5	0.57	0.66
	60	0.82	23.5	0.57	0.66
	75	0.92	25.0	0.57	0.65
120°	20	0.48	16.4	0.69	0.79
	30	0.57	17.5	0.72	0.83
	40	0.78	20.2	0.55	0.64
	50	0.97	22.5	0.55	0.64
	60	1.07	23.5	0.56	0.65
	75	1.18	25.0	0.55	0.63
180°	20	0.83	15.0	0.71	0.82
	30	0.94	17.0	0.63	0.72
	40	1.22	20.5	0.56	0.65
	50	1.46	22.5	0.56	0.64
	60	1.61	24.0	0.54	0.62
	75	1.81	26.0	0.52	0.60
240°	20	1.12	15.0	0.72	0.83
	30	1.27	17.0	0.63	0.73
	40	1.56	20.0	0.56	0.65
	50	1.80	21.5	0.56	0.65
	60	1.95	22.5	0.56	0.64
	75	2.20	24.0	0.55	0.64
270°	20	1.08	14.0	0.71	0.81
	30	1.23	16.0	0.62	0.71
	40	1.62	19.0	0.57	0.66
	50	2.00	21.5	0.55	0.64
	60	2.26	23.0	0.55	0.63
	75	2.60	25.0	0.53	0.61
360°	20	1.81	15.0	0.77	0.89
	30	2.00	17.2	0.65	0.75
	40	2.56	20.9	0.56	0.65
	50	3.09	22.9	0.57	0.65
	60	3.34	23.8	0.57	0.66
	75	3.68	25.6	0.54	0.62

Nozzle data subject to change.

PRECISION™ SERIES ROTATING NOZZLE MODEL LIST

Toro (male)-threaded	Description
PRN-TA	14-26 feet, Adjustable from 45°-270°
PRN-TF	14-26 feet, Full circle



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