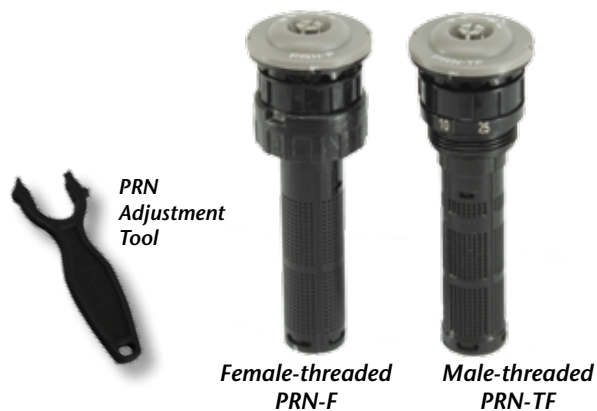


# Precision™ Series Rotating Nozzles

- **Radius: 14'-26' (4,3-8,0m)**
- **Operating Pressure Range: 20-75 psi (1,4-5,2 Bar)**
- **45°-360° Arc Settings**
- **Fit Toro® or Irritrol®, Rain Bird® and Hunter® Spray Bodies**

Based off the design of the world's leading gear-driven rotor for golf applications, the Precision Series Rotating Nozzle is powered by a proven gear drive and delivers wind resistant, multi-stream, multi-trajectory patterns.



## Water Management Highlight



Precision Series Rotating Nozzles supply matched precipitation with any arc and any radius from 14 to 26 feet (4,3m-8,0m). Water is applied slowly and evenly to reduce runoff and wasted water.

## Features & Benefits

### Gear-Driven

Utilizes a proven planetary gear drive, variable stator and turbine to rotate the nozzle.

### Fewer Models

Only two male-threaded nozzles and two female-threaded nozzles are required to cover radius range from 14-26 feet (4,3m-8,0m) and arc range from 45-360°.

### Matched Precipitation Rate of 0.55"/hr. (14 mm/hr.)

These nozzles deliver water more slowly and evenly than standard spray nozzles. The precipitation rate of 0.55"/hr. (14 mm/hr.) helps prevent excess run times often set to stay within watering windows.

### Consistent Speed of Rotation

The gear drive mechanism delivers a consistent speed of rotation regardless of system pressure and prevents product stalling at low pressure.

## 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.

## Specifications

### Operating Specifications

- Radius: 14'-26' (4,3-7,9m)
- Operating pressure range: 20-75 psi (1,4-5,2 Bar)
- Recommended Pressure: 40-50 psi (2,8-3,5 Bar)
- Flow Rate: 0.17-3.68 GPM (1,4-14 LPM)

### Additional Features

- 15 unique streams with different trajectories
- Maximum height of 20° trajectory to fight through wind
- Threads onto nearly all sprayheads and shrub adapters (male or female)
- Pre-attached screen for easy installation
- Radius reduction up to 25% by turning set screw 90°
- Color coded to identify adjustable or full circle
- Precipitation rate = 0.55"/hr. (14 mm/hr.) on square spacing plans
- Maintains precipitation rate as radius is reduced
- Matched precipitation from 14-26 feet (4,3-7,9m)
- Matched precipitation from 20-75 psi (1,4-5,2 Bar)
- Adjustable by hand or with included tool
- Consistent speed of rotation not affected by pressure

### Warranty

- Five years

## PRN 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 pre-included tool. The tool can be ordered separately as: PRNTOOL

### Performance Data Precision™ Series Rotating Nozzles—Metric

Arc	Bar	LPM	Radius	Precipitation Rate (mm/hr)	
				■	▲
45°	1,70	0,68	4,30	17,65	20,38
	2,40	0,95	4,90	18,99	21,93
	3,10	1,55	5,80	22,12	25,54
	3,80	1,74	6,10	22,45	25,92
	4,50	1,21	6,10	15,61	18,02
	5,20	1,32	6,70	14,11	16,30
90°	1,70	1,70	4,90	16,99	19,62
	2,40	2,04	5,80	14,55	16,81
	3,10	2,54	6,70	13,58	15,68
	3,80	2,84	7,00	13,91	16,06
	4,50	3,14	7,60	13,05	15,07
	5,20	3,37	7,90	12,96	14,96
120°	1,70	1,93	4,90	14,47	16,71
	2,40	2,88	6,10	13,93	16,09
	3,10	3,48	7,00	12,78	14,76
	3,80	3,79	7,30	12,80	14,78
	4,50	4,20	7,60	13,09	15,11
	5,20	4,47	7,60	13,93	16,09
180°	1,70	2,88	4,60	16,33	18,86
	2,40	3,94	5,80	14,05	16,23
	3,10	4,96	6,70	13,26	15,31
	3,80	5,53	7,00	13,54	15,64
	4,50	6,25	7,60	12,98	14,99
	5,20	6,70	7,90	12,88	14,88
240°	1,70	4,24	4,60	18,03	20,82
	2,40	5,49	5,80	14,69	16,96
	3,10	6,36	6,40	13,97	16,14
	3,80	7,15	6,70	14,34	16,55
	4,50	7,87	7,00	14,46	16,69
	5,20	8,52	7,30	14,39	16,62
270°	1,70	4,09	4,30	17,70	20,43
	2,40	5,19	5,50	13,73	15,85
	3,10	6,93	6,40	13,54	15,63
	3,80	8,06	6,70	14,36	16,59
	4,50	8,93	7,30	13,41	15,48
	5,20	9,88	7,60	13,68	15,80
360°	1,70	6,85	4,60	19,42	22,43
	2,40	8,90	5,80	15,87	18,33
	3,10	11,96	6,70	15,99	18,46
	3,80	13,55	7,00	16,59	19,16
	4,50	14,61	7,30	16,45	18,99
	5,20	15,82	7,60	16,43	18,98

Nozzle data subject to change.

Precision Series Rotating Nozzle Model List	
Male Threaded	Description
PRN-TA	Toro Threaded, 14-26 feet (4,3-7,9m), Adjustable from 45°-270°
PRN-TF	Toro Threaded, 14-26 feet (4,3-7,9m), Full-Circle
Female Threaded	Description
PRN-A	Female Threaded, 14-26 feet (4,3-7,9m), Adjustable from 45°-270°
PRN-F	Female Threaded, 14-26 feet (4,3-7,9m), Full-Circle

### Specifying Information—Precision Series Rotating Nozzle

PRN-XX		
Model	Thread	Model
<b>PRN</b>	<b>X</b>	<b>X</b>
PRN—Precision Rotating Nozzle	T—Male Thread Blank—Female Thread	A—Adjustable arc F— Full-circle
Example: A male threaded Precision Series Rotating nozzle with a 24' (7,31m) radius and a 180° arc would be specified as: PRN-TA A female threaded Precision Series Rotating nozzle with a 20' (6,1)radius and 360° arc would be specified as: PRN-F		