

# Toro Irrigation TR50 and TR50 XT Rotors

6.5m – 15.9m Radius

## Features

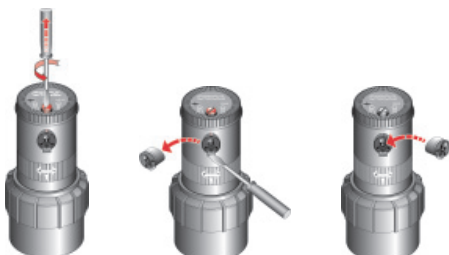
### Shared Features of the TR50 and TR50 XT:

- Simple to set arc adjustment.
- 127mm pop-up to clear tall turf.
- Cluster, water-lubricated, gear-drive design.
- Dry mode pull-up slot.
- Arc adjustment from 30° to 360°.
- Continuous, unidirectional rotation provides uniform water coverage when set at 360°.
- Smart Arc™ memory returns sprinkler to previously set arc if vandalised.
- Slip clutch assures no damage to gears if vandalised.
- Laser-etched adjustment symbols on cap.
- Unique, over-moulded wiper seal for greater debris resistance and below grade installation (15mm). Allows for compaction settling, turf height growth and top dressing.
- Factory-installed with a #3.0 nozzle.
- Left arc indicator on cap (arrow), body (hash mark) and riser (arc band).
- Stainless-steel radius adjustment screw allows up to 25% radius reduction.
- Large filter screen to prevent clogging.
- 3-year warranty.

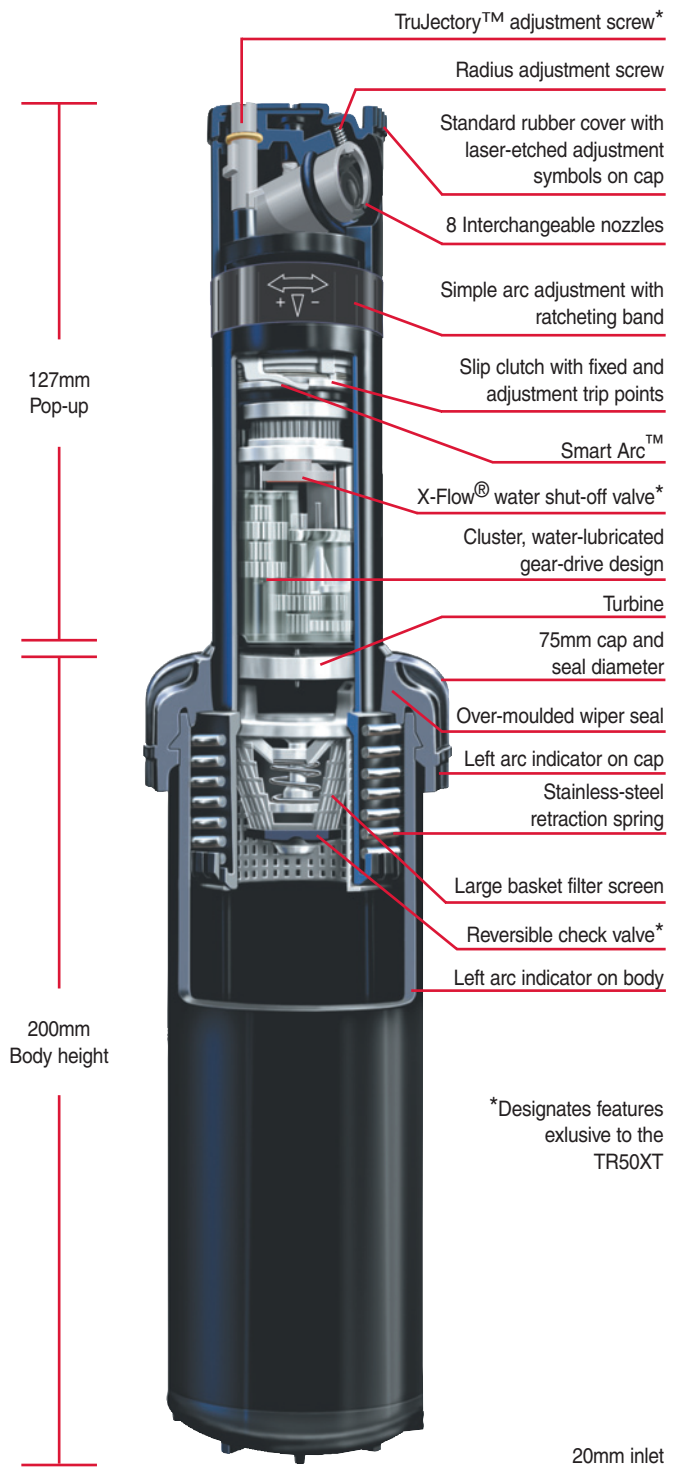
## Fastest field set/adjust in the industry



Simple to set watering patterns with arc adjustment band



Eight interchangeable nozzles. No keys or special tools necessary.



\*Designates features exclusive to the TR50XT


20mm inlet

# Toro Irrigation


## TR50 and TR50 XT Series Rotors

### Features Exclusive to the TR50 XT

- Trjectory™ adjustment from 5° to 25° for fine-tuning radius and nozzle trajectory.
- X-Flow® water shut-off for fast, dry nozzle and arc changes.
- Colour-coded nozzle tree for quick and easy identification and installation.
- 690 kPa rating.
- Standard reversible check valve prevents low-head drainage, keeping laterals charged with water.
- Extended 5-year warranty.
- Below grade seal.
- Smart Arc™ and slip clutch.
- Easiest arc adjustment.
- One SKU for Part and Full circle.

TR50 and TR50 XT Nozzle Performance Data @ 25° Trajectory 																
Base Pressure	Nozzle															
	1		1.5		2		3		4.5		6		7.5		9	
kPa	Rad	LPM	Rad	LPM	Rad	LPM	Rad	LPM	Rad	LPM	Rad	LPM	Rad	LPM	Rad	LPM
150	9.3	3.1	10.0	4.2	10.0	5.2	10.4	6.4	9.8	10.0	9.9	12.8	10.2	16.0	10.2	19.2
200	10.0	3.6	10.8	4.5	10.8	6.1	11.7	7.8	11.4	12.2	11.6	15.7	11.9	19.2	11.9	23.2
250	10.6	3.7	11.4	5.3	11.5	7.0	12.3	8.9	12.0	14.2	12.5	17.9	13.0	22.0	13.1	26.7
300	11.1	4.0	11.8	5.8	12.0	7.6	12.6	9.9	12.5	15.9	13.2	19.8	13.7	24.7	14.0	29.8
350	11.3	4.6	12.2	6.1	12.2	8.0	12.8	10.7	13.1	17.4	14.1	21.6	14.4	27.1	14.7	32.8
400	11.5	4.8	12.4	6.7	12.7	8.6	13.0	11.8	13.1	18.9	14.5	23.3	14.8	29.3	14.9	35.6
450	11.6	5.3	12.5	7.2	12.8	9.5	13.1	12.5	13.3	20.3	14.6	24.8	14.9	31.1	15.1	37.5
500	11.7	5.8	12.5	7.7	12.8	10.4	13.1	13.2	13.5	21.6	14.6	26.3	14.9	32.8	15.2	39.5
550	11.9	6.3	12.5	7.9	12.8	11.0	13.1	14.0	13.7	22.7	14.6	27.9	14.9	34.7	15.2	41.9
600	12.1	6.9	12.5	8.7	12.8	11.5	13.3	14.8	13.7	23.8	14.8	29.3	15.1	36.4	15.5	43.9
650	12.2	7.5	12.6	9.9	12.9	12.2	13.4	15.5	13.7	24.9	15.2	30.5	15.5	38.1	15.7	45.8
700	12.2	8.0	12.8	11.1	13.1	13.0	13.4	16.0	13.7	25.9	15.6	31.6	15.9	39.6	15.9	47.5

Recommended pressures for TR50XT rotor only. All performance specifications are based on the stated working pressure available at the base of the sprinkler head. Radius shown in metres.

TR50 XT Nozzle Performance Data @ 5° Trajectory 																
Base Pressure	Nozzle															
	1		1.5		2		3		4.5		6		7.5		9	
kPa	Rad	LPM	Rad	LPM	Rad	LPM	Rad	LPM	Rad	LPM	Rad	LPM	Rad	LPM	Rad	LPM
150	6.5	3.1	6.8	4.2	7.2	5.2	7.6	6.4	7.6	10.0	7.7	12.8	8.2	16.0	8.7	19.2
200	6.7	3.6	7.3	4.5	7.8	6.1	9.0	7.8	9.0	12.2	9.2	15.7	9.3	19.2	9.4	23.2
250	7.1	3.7	7.9	5.3	8.7	7.0	9.9	8.9	9.9	14.2	10.0	17.9	0.2	22.0	10.4	26.7
300	7.4	4.0	8.5	5.8	9.5	7.6	10.7	9.9	10.7	15.9	10.8	19.8	11.1	24.7	11.3	29.8
350	7.7	4.6	9.2	6.1	10.1	8.0	11.3	10.7	11.3	17.4	11.6	21.6	11.9	27.1	12.0	32.8
400	8.1	4.8	9.4	6.7	10.3	8.6	11.3	11.8	11.8	18.9	11.8	23.3	12.4	29.3	12.6	35.6
450	8.5	5.3	9.6	7.2	10.4	9.5	11.4	12.5	11.9	20.3	12.0	24.8	12.7	31.1	13.0	37.5
500	9.0	5.8	9.9	7.7	10.4	10.4	11.7	13.2	11.9	21.6	12.3	26.3	12.9	32.8	13.2	39.5
550	9.4	6.3	10.3	7.9	10.7	11.0	11.9	14.0	11.9	22.7	12.5	27.9	13.1	34.7	13.4	41.9
600	10.1	6.9	10.6	8.7	10.9	11.5	11.9	14.8	11.9	23.8	12.7	29.3	13.3	36.4	13.8	43.9
650	10.6	7.5	10.9	9.9	11.2	12.2	12.0	15.5	12.0	24.9	12.8	30.5	13.5	38.1	14.1	45.8
700	11.0	8.0	11.3	11.1	11.6	13.0	12.2	16.0	12.2	25.9	12.8	31.6	13.7	39.6	14.4	47.5

All performance specifications are based on the stated working pressure available at the base of the sprinkler head. Radius shown in metres.

### ORDERING DETAILS

Code	Description
TR50S	Shrub, Part/Full Circle Combination with nozzle tree
TR50P	127mm Lawn Pop, Part/Full circle Combination with nozzle tree
TR50HP	305mm High-Pop, Part/Full Circle Combination with nozzle tree
TR50XTS	Shrub, PC/FC with nozzle tree, Trjectory™, X-Flow shut-off
TR50XTP	127mm Lawn, PC/FC with nozzle tree, Trjectory™, X-Flow shut-off
TR50XTHP	305mm High-Pop, PC/FC with nozzle tree, Trjectory™, X-Flow shut-off

### Specifications

- Radius: 6.5m – 15.9m.
- Flow rate: 3.1 – 47.5 LPM.
- Trajectory: 5° to 25°.
- Recommended operating pressure range: 170 – 480 kPa (TR50) 170 – 600 kPa (TR50XT).
- Optimum operating pressure: 350 kPa.
- 20mm female-threaded inlet.
- 20mm and 13mm female-threaded inlet (shrub models).
- Check valve maintains up to 3.0m elevation change on all models (optional for TR50, standard for TR50XT Series).
- 15mm below-grade installation allowable.

### Dimensions

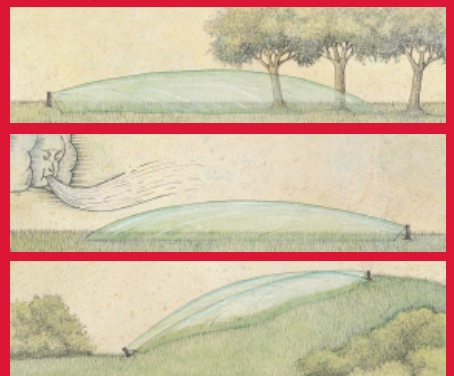
#### Lawn pop-up:

- Pop-up to centre of nozzle: 120mm.
- Base diameter: 60mm.
- Height: 200mm.

#### Other models:

- Shrub product height: 200mm.
- High-pop pop-up height: 305mm.

Trjectory™ adjustment to suit all conditions



Dealer Stamp

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

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