

TR50 Series Rotor

S P R I N K L E R S

RESIDENTIAL • COMMERCIAL

Introducing the TR50 Series rotor...It's simple to adjust, it's feature packed and it's new from Toro.

Arc adjustments are made with TR50's gray adjustment band that provides visual verification and minimizes the need for fine tuning. Adjustment is as simple as:

- 1** Lining up the left stop with the arrow molded on the sprinkler cap, then
- 2** Setting the arrow on the gray band to the desired arc.

That's it—you're done!

Once you try the TR50, you'll see how simple it is to adjust and how well it performs in your residential and commercial applications.



Toro TR50 Series Sprinkler

30'–50' (9,1–15,2m)
Radius

Features

- True 5" pop-up to clear tall grasses
- Arc adjusting band provides simple and easy arc adjustment
- Left stop indicator on cap (arrow) and on body (hash mark), right trip indicator on gray adjusting band for visual verification of adjustments
- Cluster, water-lubricated, gear-drive design prolongs sprinkler performance
- Dry mode pull-up slot for easy in-field nozzle changes
- Continuous, unidirectional rotation provides uniform water coverage when set at 360°

- Smart Arc™ memory returns sprinkler to previously set arc if vandalized
- Slip clutch assures no damage to gears if vandalized
- Easy-to-read indicators on rubber cover for easy fine-tune adjustments
- Unique, over-molded wiper seal for greater debris resistance and below-grade installation
- Stainless steel radius adjustment screw allows up to 25% radius reduction
- Large filter screen to prevent clogging
- Nozzle tree with eight interchangeable nozzles included for convenience
- Standard reversible check valve prevents low-head drainage, keeping laterals charged with water
- Five-year warranty for peace of mind

Specifications

- Radius: 21'–50' (6,5m–15,2m)
- Flow rate: 0.8–10.2 GPM (3,1–46,3 LPM)
- Trajectory: 25°
- Arc adjustment from 30° to 360°
- Recommended operating pressure range: 30–70 psi (2,0–4,5 Bar)
- Optimum operating pressure: 55 psi (3,6 Bar)
- ¾" (20mm) female-threaded inlet
- ¾" (20mm) & ½" (13mm) female-threaded inlet (Shrub only)
- Check valve maintains up to 8' (2,4m) elevation change (standard on all models)
- ½" (13mm) below-grade installation (lawn pop-up)



TR50 Performance Data @ 25° Trajectory—US

Base Pressure	Nozzle Sets															
	1		1.5		2		3		4.5		6		7.5		9	
psi	Rad	GPM	Rad	GPM	Rad	GPM	Rad	GPM	Rad	GPM	Rad	GPM	Rad	GPM	Rad	GPM
20	30	0.8	32	1.1	32	1.3	33	1.6	31	2.5	31	3.2	32	4.0	32	4.8
30	33	0.9	36	1.2	36	1.6	39	2.1	38	3.3	39	4.2	40	5.2	40	6.3
40	36	1.0	38	1.5	39	1.9	41	2.5	40	4.0	42	5.0	44	6.2	45	7.5
50	37	1.2	40	1.6	40	2.1	42	2.8	43	4.6	46	5.7	47	7.1	48	8.6
60	38	1.3	41	1.8	42	2.3	43	3.2	43	5.1	48	6.3	49	7.9	49	9.6
70	38	1.5	41	2.0	42	2.7	43	3.4	44	5.6	48	6.8	49	8.5	50	10.2

All performance specifications are based on the stated working pressure available at the base of the nozzle an in zero to low wind conditions. Radius shown in feet.



Specifying Information

Description	Body	Nozzles		Optional
TR50—TR50 Series Rotor	P—Lawn Pop-up S—Shrub HP—High-pop	10—1.0 15—1.5 20—2.0 30—3.0	45—4.5 60—6.0 75—7.5 90—9.0	E—Effluent

Example: A 5" lawn pop-up TR50 Series sprinkler with a 2.0 nozzle, would be specified as: **TR50-P-20**

Smart Arc is a trademark of The Toro Company.



The Toro Company • Irrigation Division • An ISO 9000-Certified Company

• PO Box 489 • Riverside, CA • 92502 • (800) 664-4740 • www.toro.com

© Copyright 2003 The Toro Company • All Rights Reserved • January 2004