

# T7 Series Rotors



## Rotors

*The Toro® T7 Rotor is built rugged* to withstand the harsh conditions and vandalism present in municipal/government, sports fields and commercial rotor applications.



### Features & Benefits

#### Installation and Maintenance Ease

Arc setting indicator on top of the rotor allows for easy wet or dry adjustments from 45°-360°.

#### High Efficiency Nozzles

Single port design ensures water is evenly distributed across the pattern without putting too much water near the head, which prevents seed from washing away.

#### Vandal and Abuse Resistance

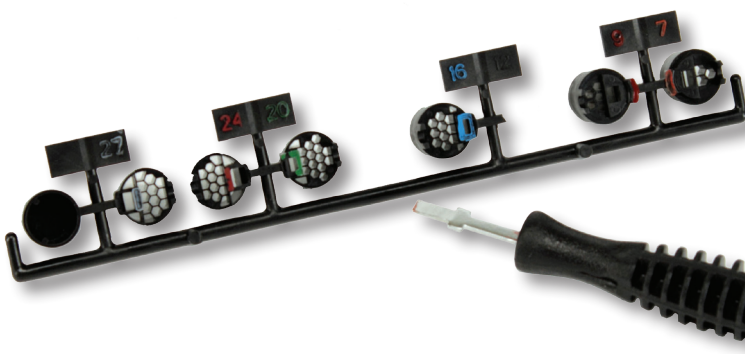
If tampered with Smart Arc™ returns the rotor to its original arc setting. Non-strippable drive mechanism prevents damage from vandals and equipment.

#### Design Solutions and Safety

Standard check valve to prevent low head drainage. Small exposed diameter reduces possibility of injury on play areas.

#### Durability

Heavy duty retract spring and water-lubricated gear drive. Wiper seal reduces stick-ups and wiper seal leaks.



Effluent Options Available





Standard rubber cover with arc indicator from 45°-360° simplifies installation and service

## Specifications

### Dimensions

- Pop-up height to nozzle: 5" (127mm)
- Body height: 8.8" (223.5mm)
- Rubber cover diameter: 2.2" (55.9mm)
- Body diameter: 2.7" (68.6mm)

### Operating Specifications

- Precipitation rate: .30 -.55 (7.6 - 14.0mm) inches per hour
- Radius: 46'-83' (14,0 - 25,0m)
- Flow rate: 6,7-30.5 GPM (25,4-115,3 LPM)
- Recommended operating pressure range: 40-100 psi (2,8-7,0 Bar)
- Inlet size: 1" (25mm) threaded NPT or 1" (25mm) BSP
- Nozzle trajectory: 25°
- Arc adjustment: 45°-360° (unidirectional at 360°)

### Additional Features

- Standard check valve
- Threaded cap-retained riser assembly
- Variable reversing stator
- Seven nozzle sizes -7-27 GPM (26,5-102 LPM)
- Slip clutch
- Nozzle support/breakup screw
- Riser pull-up feature on top of nozzle base
- Adjustment/pull up tool supplied
- Locking cap screw

### Options Available

- Stainless steel riser
- Effluent indicator

### Warranty

- Five years

## T7 Sports Rotor Nozzle Performance Data

Nozzle	Pressure	Flow (lpm)	Radius (m)	Precip, mm/hr ■	Precip, mm/hr ▲
7,0	2,8	25,4	14,0	8,9	7,7
	3,4	28,0	14,5	9,3	8,0
	4,1	30,5	14,8	9,7	8,4
	4,8	33,4	15,5	9,6	8,3
	5,5	36,3	15,8	10,0	8,7
	6,2	38,6	16,2	10,3	8,9
	6,9	40,7	16,5	10,4	9,0
9,0	2,8	28,1	14,3	9,5	8,2
	3,4	31,9	15,5	9,1	7,9
	4,1	32,6	15,8	9,0	7,8
	4,8	36,3	16,0	9,8	8,5
	5,5	39,0	16,5	10,0	8,6
	6,2	41,3	16,8	10,2	8,8
	6,9	43,5	17,1	10,4	9,0
12,0	2,8	35,6	15,2	10,6	9,2
	3,4	39,7	17,1	9,5	8,2
	4,1	43,3	17,7	9,6	8,3
	4,8	47,1	18,3	9,8	8,4
	5,5	50,7	18,6	10,2	8,8
	6,2	53,8	18,9	10,4	9,0
	6,9	57,1	19,2	10,7	9,3
16,0	2,8	49,7	15,8	13,7	11,9
	3,4	55,6	18,0	11,9	10,3
	4,1	59,5	18,6	11,9	10,3
	4,8	64,2	19,2	12,1	10,5
	5,5	69,0	19,8	12,2	10,5
	6,2	73,5	20,1	12,6	10,9
	6,9	77,6	20,7	12,5	10,8
20,0	2,8	60,6	15,8	16,7	14,5
	3,4	69,9	18,0	15,0	13,0
	4,1	74,4	18,6	14,9	12,9
	4,8	79,3	19,8	14,0	12,1
	5,5	85,1	20,7	13,7	11,9
	6,2	90,8	21,0	14,2	12,3
	6,9	95,8	21,6	14,2	12,3
24,0	2,8	59,5	16,0	16,1	13,9
	3,4	67,7	17,8	14,7	12,8
	4,1	74,9	18,7	14,8	12,8
	4,8	81,8	19,8	14,4	12,5
	5,5	87,9	20,7	14,2	12,3
	6,2	94,4	21,0	14,8	12,8
	6,9	100,1	21,6	14,8	12,8
27,0	2,8	70,5	17,1	16,8	14,5
	3,4	80,7	19,5	14,7	12,7
	4,1	89,6	21,3	13,6	11,8
	4,8	96,6	22,9	12,8	11,1
	5,5	102,7	23,5	12,9	11,2
	6,2	109,5	25,0	12,1	10,5
	6,9	115,3	25,3	12,5	10,8

## Specifying Information—T7 Sprinkler

T7PXX-XXX			
Descrip.	Optional	Thread	Optional
T7P	SS	O2	E
T7P—Sports Rotor	SS—Stainless Steel Riser	O2—NPT Thread 52—BSP Thread	E—Effluent
Example: A T7P Sports sprinkler with a stainless steel riser, and NPT thread, would be specified as: T7PSS-O2			

Worldwide Headquarters  
 The Toro Company  
 8111 Lyndale Avenue South, Bloomington, MN 55420 USA  
 Phone: +1-952-888-8801 Fax: +1-952-887-7265  
 www.toro.com  
 GB Form Number: 200-4610NA  
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