

# T7 Series

- **Inlet Size: 1" (25mm) NPT or BSP**
- **Radius: 46-83' (14,0-25,0m)**
- **Operating Pressure Range: 40-100 psi (2,8 - 7,0 Bar)**

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

### Top Arc Indication

Arc setting indicator on top of the rotor allows for easy wet or dry adjustments from 50°-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

Smart Arc™ memory safely returns sprinkler to previously set arc if vandalized.

### 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.

### Versatility

Also available in low-flow versions for short radius (<50' (<15,24m)) applications such as baseball infields.



Effluent  
Options  
Available



SST Riser  
Options  
Available

T7 Rotor Model List	
Model	Description
• T7P-02	1" (25mm) Rotor, NPT
• T7P-02E	1" (25mm) Rotor, Effluent Indicator, NPT
• T7P-02L	1" (25mm) Rotor, Low Flow, NPT
• T7P-02LE	1" (25mm) Rotor, Low Flow, Effluent Indicator, NPT
• T7PSS-02	1" (25mm) Stainless Steel Rotor, NPT
• T7PSS-02E	1" (25mm) Stainless Steel Rotor, Effluent Indicator, NPT
• T7PSS-02L	1" (25mm) Rotor, Low Flow, NPT
• T7PSS-02LE	1" (25mm) Rotor, Low Flow, Effluent Indicator, NPT
• T7P-52	1" (25mm) Rotor, BSP
• T7P-52E	1" (25mm) Rotor, Effluent Indicator, BSP
• T7P-52L	1" (25mm) Rotor, Low Flow, BSP
• T7P-52LE	1" (25mm) Rotor, Low Flow, Effluent Indicator, BSP
• T7PSS-52	1" (25mm) Stainless Steel Rotor, BSP
• T7PSS-52E	1" (25mm) Stainless Steel Rotor, Effluent Indicator, BSP
• T7PSS-52L	1" (25mm) Rotor, Low Flow, BSP
• T7PSS-52LE	1" (25mm) Rotor, Low Flow, Effluent Indicator, BSP



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: Low-flow models: 38'-53' (11,6 - 16,2m)  
High-flow models: 46'-83' (14,0 - 25,0m);
- Flow rate: Low-flow models: 1.7-13.0 gpm (6,4-49,2 lpm)  
High-flow models: 6.8-30.5 gpm (25,4-116 lpm);
- 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: 50°-360° (unidirectional at 360°)

### Additional Features

- Standard check valve
- Threaded cap-retained riser assembly
- Variable reversing stator
- Two nozzle trees:  
Low flow: 6 nozzles (2, 3, 4.5, 6, 7.5 and 9)  
High flow: 7 nozzles (7, 9, 12, 16, 20, 24 and 27)
- 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 - High Flow—Metric

Nozzle	Pressure (Bar)	Flow (lpm)	Radius (m)	Precip mm/hr ■	Precip mm/hr ▲
7,0	2,8	25,8	14,1	7,87	8,97
	3,4	28,1	14,8	8,21	9,36
	4,1	30,7	14,9	8,60	9,81
	4,8	33,7	15,3	9,07	10,34
	5,5	36,6	15,8	9,09	10,37
	6,2	38,9	15,8	9,29	10,59
	6,9	41,1	16,3	9,10	10,37
9,0	2,8	28,5	14,4	8,35	9,52
	3,4	31,2	15,4	8,07	9,20
	4,1	33,7	15,3	8,38	9,55
	4,8	37,1	15,8	8,87	10,12
	5,5	39,7	16,4	8,80	10,04
	6,2	42,4	16,3	9,06	10,33
	6,9	44,8	16,5	9,23	10,52
12,0	2,8	37,7	15,3	9,74	11,10
	3,4	39,9	16,3	9,92	11,32
	4,1	43,6	17,3	10,04	11,45
	4,8	47,5	18,0	10,52	11,99
	5,5	51,1	18,2	10,92	12,45
	6,2	54,4	18,5	11,22	12,79
	6,9	57,5	19,2	11,43	13,03
16,0	2,8	50,8	16,0	11,68	13,32
	3,4	56,6	17,4	11,67	13,30
	4,1	59,8	18,3	11,48	13,09
	4,8	64,8	18,6	12,03	13,72
	5,5	69,7	19,4	12,10	13,80
	6,2	74,3	19,6	12,50	14,25
	6,9	78,7	20,0	12,82	14,62
20,0	2,8	61,0	15,8	14,02	15,99
	3,4	69,7	17,5	13,38	15,26
	4,1	74,1	18,6	13,29	15,16
	4,8	79,5	19,4	13,81	15,75
	5,5	85,5	20,2	13,07	14,90
	6,2	90,8	20,7	13,47	15,36
	6,9	95,7	21,4	13,78	15,71
24,0	2,8	58,5	16,4	13,99	15,95
	3,4	67,0	18,4	12,02	13,70
	4,1	74,8	19,4	12,18	13,88
	4,8	81,8	20,2	12,51	14,27
	5,5	88,2	20,8	12,69	14,47
	6,2	94,2	21,3	13,16	15,00
	6,9	99,6	22,0	12,76	14,55
27,0	2,8	73,3	16,8	15,66	17,86
	3,4	83,2	19,6	12,72	14,51
	4,1	90,2	21,6	11,56	13,18
	4,8	97,2	22,0	12,11	13,81
	5,5	103,5	22,3	12,55	14,31
	6,2	109,9	22,7	12,97	14,79
	6,9	115,5	22,9	13,27	15,13

Radius shown in meters. Data based on 360°.

### T7 Sports Rotor Nozzle Performance Data - Low Flow—Metric

Nozzle	Pressure (Bar)	Flow (lpm)	Radius (m)	Precip mm/hr ■	Precip mm/hr ▲
2,0	2,8	6,5	12,2	2,78	3,17
	3,4	7,4	12,8	3,15	3,59
	4,1	8,2	12,8	3,32	3,78
	4,8	8,9	12,5	3,61	4,11
	5,5	9,6	12,8	3,88	4,43
	6,2	10,3	12,5	3,94	4,50
	6,9	10,9	12,5	4,19	4,78
3,0	2,8	9,2	12,5	3,91	4,46
	3,4	10,5	12,8	4,23	4,83
	4,1	11,7	12,5	4,51	5,14
	4,8	12,8	12,5	4,92	5,61
	5,5	13,8	12,8	5,05	5,76
	6,2	14,7	12,5	5,15	5,87
	6,9	15,4	13,1	5,37	6,12
4,5	2,8	15,4	11,6	6,89	7,86
	3,4	17,6	12,5	6,77	7,72
	4,1	19,6	12,5	7,52	8,58
	4,8	21,3	12,8	7,82	8,92
	5,5	23,0	12,8	8,43	9,61
	6,2	24,6	13,1	8,59	9,79
	6,9	26,0	13,1	9,10	10,38
6,0	2,8	18,6	13,1	6,51	7,42
	3,4	21,3	14,0	6,51	7,42
	4,1	23,7	14,6	6,66	7,59
	4,8	26,7	15,2	7,18	8,19
	5,5	27,9	14,9	7,51	8,56
	6,2	29,8	15,2	7,70	8,78
	6,9	31,7	15,2	8,19	9,34
7,5	2,8	21,9	13,4	7,30	8,33
	3,4	25,1	14,0	7,66	8,74
	4,1	27,9	14,6	7,82	8,92
	4,8	30,5	15,2	8,20	9,35
	5,5	33,0	15,5	8,54	9,74
	6,2	35,8	15,8	9,26	10,55
	6,9	37,4	15,8	8,95	10,20
9,0	2,8	27,7	13,7	8,85	10,10
	3,4	31,9	14,9	8,60	9,80
	4,1	35,5	15,5	8,83	10,07
	4,8	39,5	16,5	9,08	10,36
	5,5	42,7	16,8	9,11	10,39
	6,2	45,6	16,8	9,74	11,11
	6,9	48,2	17,1	9,94	11,33

Radius shown in meters. Data based on 360°.

### Specifying Information—T7 Sprinkler

T7PXX-XXXX			
Descrip.	Optional	Thread	Optional
T7P	SS	XX	E
T7P—Sports Rotor	SS—Stainless Steel Riser	02—NPT Thread 52—BSP	E—Effluent L—Low Flow

**Example:** A low flow T7P sprinkler with a stainless steel riser and effluent rubber cover would be specified as T7PSS-02LS