

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



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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 (<15,2m (<50')) applications such as baseball infields.



T7 Rotor Model List	
Model	Description
• T7P-02	25mm (1") Rotor, NPT
• T7P-02E	25mm (1") Rotor, Effluent Indicator, NPT
• T7P-02L	25mm (1") Rotor, Low Flow, NPT
• T7P-02LE	25mm (1") Rotor, Low Flow, Effluent Indicator, NPT
• T7PSS-02	25mm (1") Stainless Steel Rotor, NPT
• T7PSS-02E	25mm (1") Stainless Steel Rotor, Effluent Indicator, NPT
• T7PSS-02L	25mm (1") Rotor, Low Flow, NPT
• T7PSS-02LE	25mm (1") Rotor, Low Flow, Effluent Indicator, NPT
• T7P-52	25mm (1") Rotor, BSP
• T7P-52E	25mm (1") Rotor, Effluent Indicator, BSP
• T7P-52L	25mm (1") Rotor, Low Flow, BSP
• T7P-52LE	25mm (1") Rotor, Low Flow, Effluent Indicator, BSP
• T7PSS-52	25mm (1") Stainless Steel Rotor, BSP
• T7PSS-52E	25mm (1") Stainless Steel Rotor, Effluent Indicator, BSP
• T7PSS-52L	25mm (1") Rotor, Low Flow, BSP
• T7PSS-52LE	25mm (1") 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: 127mm (5")
- Body height: 220mm (8¾")
- Rubber cover diameter: 57mm (2¼")
- Body diameter: 70mm (2¾")

### Operating Specifications

- Precipitation rate: 7,6 - 14,0mm (.30 -.55) inches per hour
- Radius: Low-flow models: 11,6 - 16,2m (38'-53')  
High-flow models: 14,0 - 25,0m (46'-83');
- Flow rate: Low-flow models: 6,4-49,2 LPM (1.7-13.0 GPM)  
High-flow models: 25,4-116 LPM (6.8-30.5 GPM)
- Operating pressure range: 2,8-7,0 Bar (40-100 psi)
- Inlet size: 1" threaded NPT or 1" BSP
- Nozzle trajectory: 25°
- Arc adjustment: 50°-360° (unidirectional at 360°)

### 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
9.0	6.9	41.1	16.3	9.10	10.37
	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
12.0	6.2	42.4	16.3	9.06	10.33
	6.9	44.8	16.5	9.23	10.52
	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
16.0	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
	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
20.0	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
	2.8	61.0	15.8	14.02	15.99
	3.4	69.7	17.5	13.38	15.26
24.0	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
	2.8	58.5	16.4	13.99	15.95
27.0	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°.

### 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 - 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
3.0	6.9	10.9	12.5	4.19	4.78
	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
4.5	6.2	14.7	12.5	5.15	5.87
	6.9	15.4	13.1	5.37	6.12
	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
6.0	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
	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
7.5	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
	2.8	21.9	13.4	7.30	8.33
	3.4	25.1	14.0	7.66	8.74
9.0	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
	2.8	27.7	13.7	8.85	10.10
9.0	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**