

# TG101 Series

- **Inlet Size: 2" (50mm) NPT or BSP**
- **Radius: 91'-178' (27-54m)**
- **Operating Pressure Range: 40-95 psi (2,8-6,5 Bar)**

The Toro® TG101-NPT large-radius, gun-style sprinkler is ideal for applications that require long distance throw, such as irrigation solely from the perimeter of sports fields, or for cleaning and cooling artificial turf.



## Features & Benefits

### Innovative Drive System

Adjusts automatically, ensuring steady rotation and uniform coverage at varying pressures.

### Excellent Uniformity

Using a single nozzle design (spreader nozzles not required).

### Dispersed Jet Upon Start-up

Reduces run-off and over-watering.

### Self-adjusting Jet Breaker Device

To vary distribution at lower pressures or to increase close-in watering.

### No Maintenance

The TG101 is maintenance-free.

## Energy Savings

The great versatility of the gun is further increased with the dynamic intermittent jet-breaker. It allows energy savings and reduction of system operating costs by running an irrigation system at lower pressures.





TG101 Model List	
Model	Description
TG101-NPT	Large Radius Gun-Style Sprinkler, NPT
TG101	Large Radius Gun-Style Sprinkler, BSP

**Distribution**

The unique drive system allows a better stream diffusion. This greatly reduces furrows and run-off.

**Adjustable Brake Force**

The self-adjusting system adapts its brake force to the existing system pressure. This is essential for uniform water application.

**TG101-NPT Performance Data — 24° Trajectory—Metric**

Pressure bar	Nozzle 12mm			Nozzle 14mm			Nozzle 16mm			Nozzle 18mm			Nozzle 20mm			Nozzle 22mm			Nozzle 24mm		
	Flow m³/h	l/s	Radius m	Flow m³/h	l/s	Radius m	Flow m³/h	l/s	Radius m	Flow m³/h	l/s	Radius m	Flow m³/h	l/s	Radius m	Flow m³/h	l/s	Radius m	Flow m³/h	l/s	Radius m
2,0				10,6	2,96	26,0	13,9	3,86	27,9	17,6	4,89	29,7	29,7	6,04	31,5	26,3	7,30	33,1	31,3	8,69	34,7
2,5				11,9	3,31	28,3	15,5	4,32	30,4	19,7	5,47	32,4	24,3	6,75	34,3	29,4	8,17	36,1	35,0	9,72	37,8
3,0	9,6	2,66	27,9	13,0	3,62	30,3	17,0	4,73	32,6	21,6	5,99	34,7	25,6	7,39	36,7	32,2	8,95	38,7	38,3	10,65	40,5
3,5	10,4	2,87	29,5	14,1	3,91	32,1	18,4	5,11	34,5	23,3	6,47	36,8	28,7	7,99	38,9	34,8	9,66	41,0	41,4	11,50	43,0
4,0	11,1	3,07	31,1	15,1	4,18	33,8	19,7	5,46	36,3	24,9	6,91	38,7	30,7	8,54	41,0	37,2	10,33	43,1	44,3	12,29	45,2
4,5	11,7	3,26	32,5	16,0	4,44	35,3	20,9	5,80	38,0	26,4	7,33	40,5	32,6	9,05	42,8	39,4	10,96	45,1	46,9	13,04	47,3
5,0	12,4	3,44	33,8	16,8	4,68	36,8	22,0	6,11	39,5	27,8	7,73	42,1	34,4	9,54	44,6	41,6	11,55	46,9	49,5	13,74	49,2
5,5	13,0	3,60	35,1	17,7	4,91	38,1	23,1	6,41	41,0	29,2	8,11	43,7	36,0	10,01	46,2	43,6	12,11	48,7	51,9	14,42	51,0
6,0	13,6	3,76	36,3	18,4	5,12	39,4	24,1	6,69	42,4	30,5	8,47	45,1	37,6	10,46	47,8	45,5	12,65	50,3	54,2	15,06	52,7
6,5	14,1	3,92	37,4	19,2	5,33	40,6	25,1	6,96	43,6	31,7	8,81	46,5	39,2	10,88	49,3	47,4	13,17	51,9	56,4	15,67	54,4

Note: Products may not be available in all regions. Please consult your Toro regional manager for availability.

**Specifications**

**Operating Specifications**

- Radius: 91-178 feet (27-54m)
- Flow Rate: 42-248 GPM (190-1127 LPM)
- Operating Pressure Range: 40-95 PSI (2,5-6,5 Bar)
- Trajectory: 24°
- Two standard nozzle options: 0.63" and .87" (16-20mm) (additional range of nozzles available for specialty applications)

**Additional Features**

- Powerful and efficient stream diffusion
- Standard 2" (51mm) NPT thread connection
- High-quality, durable construction
- Full or part-circle operation in one unit
- Adjustable rotation speed

**Warranty**

- Two years



**No maintenance**

The TG101 gun is maintenance-free. The modern design avoids the use of ball bearings, which can seize at contact with moisture, cause failure.

**Specifying Information—TG101**

TG101-X-XX				
Description	Arc	Nozzle		
TG101	X	XX		
TG101—TG101 Sprinkler	P—Part Circle F—Full Circle	12—12.0mm 14—14.0mm 16—16.0mm	18—18.0mm 20—20.0mm 22—22.0mm	24—24.0mm 26—26.0mm 28—28.0mm

Example: A TG101 sprinkler, part circle with a 16.0 nozzle, would be specified as: **TG101-P-16**