

TORO. Count on it.

TG-101-NPT

Rotors

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. It's unique, automatic breaking system adjusts automatically to varying pressures or nozzle configurations, to ensure a steady rotation speed for uniform coverage.



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-NPT is maintenance-free.

Energy Savings

The great versatility of the gun is further increased with the dynamic intermittent jet-breaker. Depending on the application, it allows operation at lower pressures, still achieving good irrigation results. For this purpose, one or two individually adjustable dynamic jet-breakers can be mounted on the gun's drive arm. The dynamic jet-breaker allows energy savings and reduction of system operating costs by running an irrigation system at lower pressures.





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Distribution

The unique drive system allows a better stream diffusion. An additional advantage of this drive system is that at the start-up procedure of the gun, the normally compact stream is dispersed into a spray before the gun is set in motion. This greatly reduces furrows and run-off.

Adjustable Brake Force

The self-adjusting system adapts its brake force to the existing system pressure. The gun therefore achieves a steady rotation speed over its whole nozzle-pressure range. This is essential for uniform water application. The automatic adjusting brake system contributes significantly to the gun's excellent performance over the entire operating range.



Additional nozzles are now available from 12mm to 24mm in 7 sizes. This increases the operating range from 42 GPM, 48' at 40 PSI to 248 GPM, 178' at 95 PSI.

TG101-NPT Performance Data — 24° Trajectory

Pressure PSI	Nozzle 12mm-0.47"		Nozzle 14mm-0.55"		Nozzle 16mm-0.63"		Nozzle 18mm-0.71"		Nozzle 20mm-0.79"		Nozzle 22mm-0.87"		Nozzle 24mm-0.94"	
	Flow GPM	Radius Feet												
30			46.7	85.3	61.2	91.5	77.5	97.4	95.5	103.3	115.8	108.6	137.8	113.8
35			52.4	92.8	68.2	99.7	86.7	106.3	107.0	112.5	129.4	118.4	154.1	124.0
40	42.3	91.5	57.2	99.4	74.8	107.0	95.1	113.8	112.3	120.4	141.8	127.0	168.6	132.9
50	45.8	96.8	62.1	105.3	81.0	113.2	102.6	120.7	126.3	127.6	153.2	134.5	182.3	141.1
60	48.9	102.0	66.5	110.9	86.7	119.1	109.6	127.0	135.1	134.5	163.8	141.4	195.0	148.3
65	51.5	106.6	70.4	115.8	92.0	124.7	116.2	132.9	143.5	140.4	171.4	148.0	206.5	155.2
70	54.6	110.9	74.0	120.7	96.8	120.6	122.4	138.1	151.9	146.3	183.1	186.7	217.9	161.4
80	57.2	115.2	77.9	125.0	101.7	134.5	128.5	143.4	158.5	151.6	191.9	159.8	228.5	167.3
90	59.9	119.1	81.0	129.3	106.1	139.1	134.3	148.0	168.5	156.8	200.3	165.0	238.6	172.9
95	62.1	122.7	84.5	133.2	110.5	143.0	139.5	152.6	172.6	161.7	208.7	170.3	248.3	178.5

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

Specifications

Model	Description
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- TG101-NPT Large Radius Gun-Style Sprinkler

Operating Specifications

- Radius: 91-178 feet
- Flow Rate: 42-248 GPM
- Recommended Operating Pressure Range: 40-95 PSI
- Trajectory: 24°
- Two standard nozzle options: 0.70" and 1.02" (additional range of nozzles available for specialty applications)

Additional Features

- Powerful and efficient stream diffusion
- Standard 2" 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 and result in expensive repairs. Instead, parts made of high-quality, durable and maintenance-free materials are used.

Specifying Information—TR70XT

TG101-X-XX		
Description	ARC	Nozzle
TG101	XX	XX
TG101—TG101 Sprinkler	P—Part Circle F—Full Circle	16—16.0 24—24.0 20—20.0 26—26.0 22—22.0 28—28.0
<p>Example: A TG101 sprinkler, part circle with a 16.0 nozzle, would be specified as: TG101-P-16</p>		



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Specifications subject to change without notice. For more information, contact your local Toro distributor. P/N 09-1057-IRC
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