

# Twin 101 Plus



Irrigation  
Full Coverage



Pasture  
Irrigation



Field  
Crops



Turf &  
Landscape



Dust  
Suppression



Heap  
Leaching



Waste Water  
Reuse

## Features & Benefits



### Hydraulically Designed Barrel and Taper Bore Nozzle

Excellent hydraulic design, large barrel cross section and full size taper bore nozzle allows for maximum possible throw and performance.



### Optional Variable Trajectory Angle Model

Optional variable trajectory angle model available which allows to change trajectory angle from 10° to 28° thus provides more uniformity even in windy conditions.



### Easy Stream Break-up Adjustment

Three stream break-up frequencies can be selected manually, without tools, in order to adjust rotation speed and to optimize the water distribution.



### Patented Self-Compensating Break System

Unique patented self-compensating break system keeps overall performance constant over time.



### Intermittent Dynamic Jet Breaker

Intermittent dynamic jet breaker option increases the stream diffusion which allows a more delicate irrigation for sensitive crop and provides flexibility in operation at lower pressure.



### Patented Drive System

Patented drive system with excellent stream diffusion allows for smooth & steady operation.

# Twin 101 Plus

## Additional Features

- Heavy duty construction using high-tech composite materials, in conjunction with sturdy drive arm.
- Extraordinary operation at all pressure levels, works smoothly and uniformly over whole nozzle pressure range.
- Maintenance free, self-lubricating sealed bearing, instead of ball bearings allows for long reliable operation over time.
- At startup of the system the gun produces a fan-type spray reducing to a minimum crop damage and soil erosion due to run off.
- Light weight, puts less stress on irrigation system structures.
- 2" BSP female threaded inlet connection.
- Available in full/part circle models with eight interchangeable nozzles to meet discharge and radius requirements.
- Flanged connection, flange external diameter 154 mm, 6 holes of diameter 10.5 mm on pitch circle diameter 130 mm.

## Application

- Recommended for field crops like sugarcane, pulses, oil seeds, cereals, tea, coffee, vegetables, etc.
- Easy to use with portable irrigation system
- Useful for large turfs, lawns and playgrounds

## Specification

- Discharge: 159.6 to 940.2 lpm
- Wetted Radius: 27.9 to 54.4 m
- Operating Pressure: 2 to 6.5 Kg/cm<sup>2</sup>
- Inlet Connection: 2" female Threaded
- Usability: Raingun Assembly

## Twin 101 Plus Assembly



Trajectory 24°

## Technical Specifications

P	Nozzle													
	Ø12 mm		Ø14 mm		Ø16 mm		Ø18 mm		Ø20 mm		Ø22 mm		Ø24 mm	
(kg/cm <sup>2</sup> )	Q (lps)	R (m)												
2.0	-	-	2.96	26.0	3.86	27.9	4.89	29.7	6.04	31.5	7.3	33.1	8.69	34.7
2.5	-	-	3.31	28.3	4.32	30.4	5.47	32.4	6.75	34.3	8.17	36.1	9.72	37.8
3.0	2.66	27.9	3.62	30.3	4.73	32.6	5.99	34.7	7.39	36.7	8.95	38.7	10.65	40.5
3.5	2.87	29.5	3.91	32.1	5.11	34.5	6.47	36.8	7.99	38.9	9.66	41.0	11.5	43.0
4.0	3.07	31.1	4.18	33.8	5.46	36.3	6.91	38.7	8.54	41.0	10.33	43.1	12.29	45.2
4.5	3.26	32.5	4.44	35.3	5.80	38.0	7.33	40.5	9.05	42.8	10.96	45.1	13.04	47.3
5.0	3.44	33.8	4.68	36.8	6.11	39.5	7.73	42.1	9.54	44.6	11.55	46.9	13.74	49.2
5.5	3.60	35.1	4.91	38.1	6.41	41.0	8.11	43.7	10.01	46.2	12.11	48.7	14.42	51.0
6.0	3.76	36.3	5.12	39.4	6.69	42.4	8.47	45.1	10.46	47.8	12.65	50.3	15.06	52.7
6.5	3.92	37.4	5.33	40.6	6.96	43.6	8.81	46.5	10.88	49.3	13.17	51.9	15.67	54.4

Note: Sprinklers are tested under standard test conditions. P = Pressure; Q = Discharge; R = Radius

N.B. The performance data were obtained under ideal testing conditions and may be adversely affected by wind and other factors. Pressure refers to pressure at nozzle. A lowered trajectory angle improves the irrigation efficiency in windy conditions. For every 3° drop of the trajectory angle the throw is reduced by approximately 3 to 4%.

## Ordering Specifications

	X	XXX
	Model	Nozzle Size
101	P - Part Circle F - Full Circle	N12 - 12mm; N14 - 14mm N16 - 16mm; N18 - 18mm N20 - 20mm; N22 - 22mm N24 - 24mm

Example: 101PN14 - This code represents Twin 101 Plus Raingun - part circle having nozzle size 14 mm.