

Twin 140 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 140 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.

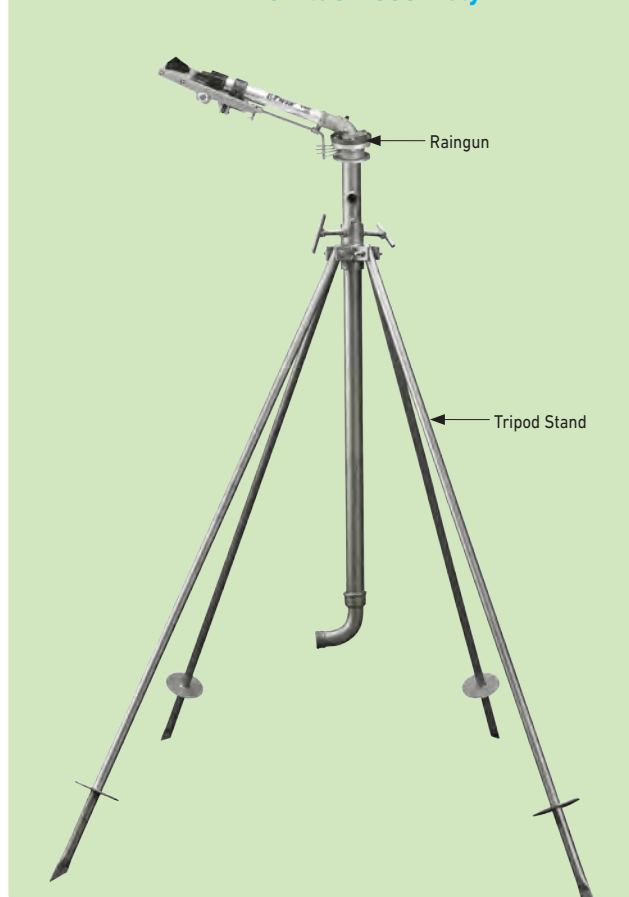
Application

- 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 : 231.6 to 1524.6 lpm
- Wetted Radius : 27.9 to 63.1 m
- Operating Pressure : 2 to 7 Kg/cm²
- Inlet Connection : 2" female Threaded
- Usability : Raingun Assembly

Twin 140 Plus Assembly



Technical Specifications

Trajectory 24°

*P	Nozzle, Ø															
	Ø16 mm		Ø18 mm		Ø20 mm		Ø22 mm		Ø24 mm		Ø 26 mm		Ø28 mm		Ø30 mm	
	Q	R	Q	R	Q	R	Q	R	Q	R	Q	R	Q	R	Q	R
(kg/cm ²)	(lps)	(m)	(lps)	(m)	(lps)	(m)	(lps)	(m)	(lps)	(m)	(lps)	(m)	(lps)	(m)	(lps)	(m)
2.00	3.86	27.9	4.89	29.7	6.04	31.5	7.30	33.1	8.69	34.7	10.20	36.3	11.83	37.7	13.58	39.2
2.50	4.32	30.4	5.47	32.4	6.75	34.3	8.17	36.1	9.72	37.8	11.41	39.5	13.23	41.1	15.19	42.6
3.00	4.73	32.6	5.99	34.7	7.39	36.7	8.95	38.7	10.65	40.5	12.49	42.3	14.49	44.0	16.63	45.7
3.50	5.11	34.5	6.47	36.8	7.99	38.9	9.66	41.0	11.50	43.0	13.50	44.9	15.65	46.7	17.97	48.5
4.00	5.46	36.3	6.91	38.7	8.54	41.0	10.33	43.1	12.29	45.2	14.43	47.2	16.73	49.1	19.21	51.0
4.50	5.80	38.0	7.33	40.5	9.05	42.8	10.96	45.1	13.04	47.3	15.30	49.4	17.75	51.4	20.37	53.3
5.00	6.11	39.5	7.73	42.1	9.54	44.6	11.55	46.9	13.74	49.2	16.13	51.4	18.71	53.5	21.48	55.5
5.50	6.41	41.0	8.11	43.7	10.01	46.2	12.11	48.7	14.42	51.0	16.92	53.3	19.62	55.4	22.52	57.5
6.00	6.69	42.4	8.47	45.1	10.46	47.8	12.65	50.3	15.06	52.7	17.61	55.1	20.49	57.3	23.52	59.5
6.50	6.96	43.6	8.81	46.5	10.88	49.3	13.17	51.9	15.67	54.4	18.39	56.8	21.33	59.1	24.49	61.3
7.00	7.23	44.9	9.15	47.9	11.29	50.7	13.66	53.3	16.26	55.9	19.09	58.4	22.13	60.8	25.41	63.1

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

The Performance data are based on ideal test conditions and may be adversely affected by wind, poor hydraulic entrance.

Ordering Specifications

	X	XXX
	Model	Nozzle Size
140	P - Part Circle	N16 - 16mm; N18 - 18mm N20 - 20mm; N22 - 22mm N24 - 24mm; N26 - 26mm N28 - 28mm; N30 - 30mm

Example: 140PN24 - This code represents Big Volume Rain Gun Twin 140 Plus, Part Circle model with 24mm nozzle size.

Note: If required additional nozzles can be supplied as a special order. Please specify nozzle number while ordering.