Twin 160 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 16° 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 160 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.

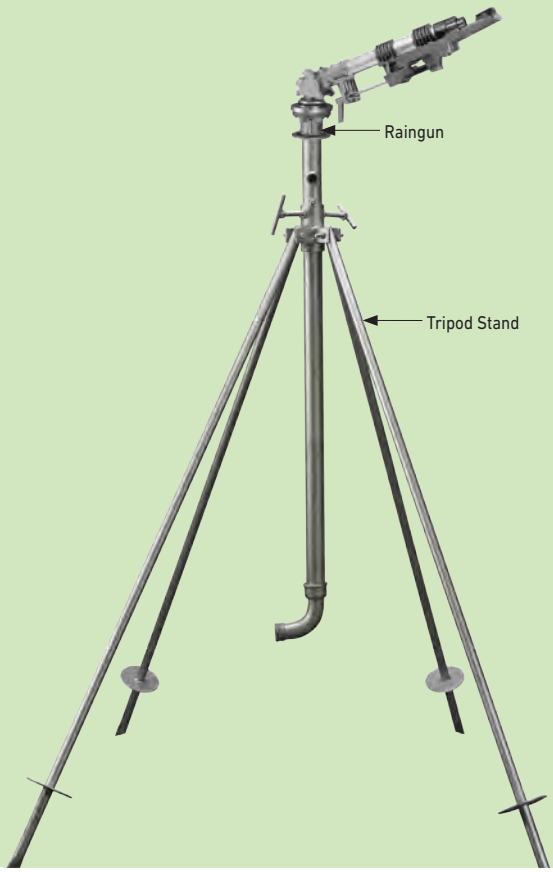
Application

- 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: 339.6 to 2032.2 lpm
- Wetted Radius: 35.8 to 68.5 m
- Operating Pressure: 3 to 7 Kg/cm^2
- Inlet Connection: 2" female Threaded
- Usability: Raingun Assembly

Twin 160 Plus



Technical Specifications

Trajectory 24°

P	Nozzle															
	Ø17.5 mm		Ø20 mm		Ø22.5 mm		Ø25 mm		Ø27.5 mm		Ø30 mm		Ø32.5 mm		Ø35 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)
3.0	5.66	35.8	7.24	37.2	32.99	38.9	11.31	41.5	13.69	43.5	16.29	45.7	19.12	47.5	22.17	49.5
3.5	6.11	39.5	7.82	41.2	35.63	43.8	12.22	46.5	14.81	48.7	17.59	51.3	20.65	53.6	23.95	56.0
4.0	6.53	42.5	8.36	44.2	38.09	47.3	13.06	49.9	15.80	52.5	18.81	55.2	22.08	57.9	25.60	60.2
4.5	6.93	44.2	8.87	46.0	40.41	49.4	13.85	52.4	16.76	55.2	19.95	57.8	23.42	60.5	27.16	62.8
5.0	7.30	45.4	9.36	47.5	42.59	51.0	14.60	54.0	17.67	57.0	21.03	60.0	24.68	62.5	28.63	64.9
5.5	7.66	46.4	9.81	49.0	44.67	52.5	15.32	55.4	18.53	58.5	22.06	61.5	25.88	63.9	30.02	66.3
6.0	8.00	47.2	10.24	50.0	46.66	53.4	16.00	56.5	19.36	59.7	23.05	62.5	27.04	65.0	31.36	67.3
6.5	8.33	47.5	10.66	50.5	48.56	54.0	16.65	57.4	20.15	60.7	23.98	63.3	28.14	65.7	32.64	68.0
7.0	8.64	48.0	11.06	51.1	50.39	54.6	17.28	57.9	20.91	61.3	24.88	63.9	29.20	66.2	33.87	68.5

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**
140	P - Part Circle	N20 - 20mm; N22.5 - 22.5mm N25 - 25mm; N27.5 - 27.5mm N30 - 30mm; N32.5 - 32.5mm N35 - 35mm

Example: 160PN25 -This code represents Big Volume Rain Gun Twin 160 Plus, Part Circle model with 25mm nozzle size.

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