

Impacts] WedgeDrive20series

The Unique wedge diffuser and square nozzle provide excellent distribution at low pressures. The 20 Series WedgeDrive sprinkler design alternately deflects the flow before and after the splasharm, delivering a uniform distribution pattern emulating dual nozzle performance. The square nozzle orifice provides uniformity close to the sprinkler.



FEATURES:

- Excellent uniformity
- Rapid rotation speed at low pressures
- 14-degree trajectory [9 and 23-degree models also available]
- Flow rates: 1.22 – 3.98 gpm [277 – 904 L/hr]
- Connection: 1/2" M NPT
- Two-year warranty on materials, workmanship and performance
- Color-coded nozzles for easy size identification; warranted to maintain correct orifice size for five years



The nozzle-vane combination provides two unique functions. The integral vane straightens the stream, settling turbulents within the sprinkler. The square orifice diffuses the stream in the corners as it exits to fill in the area close to the sprinkler when the stream is not engaged with the splasharm. When the splasharm is engaged with the stream, the wedge portion switches into a front or back position. This diffuses the stream alternately before and after the splasharm for additional uniformity near the sprinkler.



WedgeDrive™ - 2014WD

Sprinkler base pressure													
[psi]	25	30	35	40	45	50	[bar]	1.72	2.07	2.41	2.76	3.10	3.44
#6 Nozzle - Gold [3/32"]							#6 Nozzle - Gold [2.38mm]						
Flow [gpm]	1.22	1.34	1.45	1.55	1.64	1.73	Flow [L/hr]	277	304	329	352	372	393
Diam. at 1.5' ht. [ft.]	61	64	68	70	72	73	Diam. at 0.46m ht. [m]	19	20	21	21	22	22
#7 Nozzle - Lime [7/64"]							#7 Nozzle - Lime [2.78mm]						
Flow [gpm]	1.68	1.84	1.99	2.12	2.25	2.37	Flow [L/hr]	382	418	452	482	511	538
Diam. at 1.5' ht. [ft.]	64	66	70	74	76	77	Diam. at 0.46m ht. [m]	20	20	21	23	23	23
#8 Nozzle - Lavender [1/8"]							#8 Nozzle - Lavender [3.18mm]						
Flow [gpm]	2.21	2.42	2.62	2.79	2.97	3.12	Flow [L/hr]	502	550	595	634	675	709
Diam. at 1.5' ht. [ft.]	67	70	73	77	79	80	Diam. at 0.46m ht. [m]	20	21	22	23	24	24
#9 Nozzle - Grey [9/64"]							#9 Nozzle - Grey [3.57mm]						
Flow [gpm]	2.81	3.08	3.33	3.56	3.78	3.98	Flow [L/hr]	638	700	756	809	859	904
Diam. at 1.5' ht. [ft.]	68	72	76	78	81	81	Diam. at 0.46m ht. [m]	21	22	23	24	25	25

Sprinkler performance may vary with field conditions. Diameters shown are for square orifice one-piece nozzle/vane combination. Other nozzles and/or vane combinations are available, consult factory for specific performance data. Stream heights range from 6.5 - 9.5 ft. [2.0 - 3.0 m] above nozzle based on pressure and nozzle size. Minimum recommended riser height is 1.5 ft [0.5 m].