

# 5035 SD



## Overhead sprinklers

Plastic impact sprinkler  
3/4" male

**Applications:** general field use with solid-set irrigation systems

- Unique hammer with SD (super- diffuser) plate for uniform distribution
- SD – Designed for optimal performance even in low pressure
- High water distribution with spacing up to 20m
- Higher resistance to wind
- Color-coded bayonet nozzle for easy service
- Integrated stream-straightening vane for maximum range
- High-impact, heavy-duty plastic materials provide resistance to corrosion, chemicals and UV radiation

5035 SD Performance table -Singel nozzle, Long SD

Precipitation rates (mm/hr) and uniformity (CU) at various spacing

Sleeve Color	Nozzle Color (mm)	P (bar)	Q (m <sup>3</sup> /h)	D (m)	Spacing (m)						
					12x15	12x18	15x15	15x18	18x18	20x20	
Red	3.5 Blue	2.5	0.720	24.0	4.0	3.3	3.2				
		3.0	0.790	24.0	4.4	3.7	3.5				
		4.0	0.910	25.0	5.1	4.2	4.0	3.4			
	4.0 Black	5.0	1.040	25.0	5.8	4.8	4.6	3.9			
		2.5	0.950	26.0	5.3	4.4	4.2	3.5			
		3.0	1.040	26.0	5.8	4.8	4.6	3.9			
Black	4.5 Brown	4.0	1.200	26.0	6.7	5.6	5.3	4.4	3.7		
		5.0	1.350	28.0	7.5	6.3	6.0	5.0	4.2		
		2.5	1.210	28.0	6.7	5.6	5.4	4.5			
	5.0 Purple	3.0	1.320	28.0	7.3	6.1	5.9	4.9	4.1		
		4.0	1.540	29.0	14.1	11.8	11.3	9.4	7.8		
		5.0	1.710	30.0	9.5	7.9	7.6	6.3	5.3		
	5.5 Orange	2.5	1.460	29.0	8.1	6.8	6.5	5.4	4.5		
		3.0	1.610	29.0	8.9	7.5	7.2	6.0	5.0	4.0	
		4.0	1.870	31.0	10.4	8.7	8.3	6.9	5.8	4.7	
		5.0	2.100	32.0	11.7	9.7	9.3	7.8	6.5	5.3	
		2.5	1.760	30.0	9.8	8.1	7.8	6.5	5.4	4.4	
		3.0	1.930	31.0	10.7	8.9	8.6	7.1	6.0	4.8	
6.0 Red	4.0	2.230	34.0	12.4	10.3	9.9	8.3	6.9	5.6		
	5.0	2.490	35.0	13.8	11.5	11.1	9.2	7.7	6.2		
	2.5	2.060	30.0	11.4	9.5	9.2	7.6	6.4	5.2		
6.0x2.5L Red	3.0	2.260	32.0	12.6	10.5	10.0	8.4	7.0	5.7		
	4.0	2.620	34.0	14.6	12.1	11.6	9.7	8.1	6.6		
	5.0	2.940	36.0	16.3	13.6	13.1	10.9	9.1	7.4		

Color code - Distribution uniformity CU > 92% CU 88-92% CU 85-88% CU < 85%

Performance table under review

Rear nozzle color : 2.5L - grey,

Do not change nozzles from Red sleeve group to Black sleeve group or vice versa.

\* Performance table prepared under laboratory conditions

\* For windy conditions use closer spacing

5035 SD Performance table - Dual nozzle, Short SD

Precipitation rates (mm/hr) and uniformity (CU) at various spacing

Sleeve Color	Nozzle Color (mm)	P (bar)	Q (m <sup>3</sup> /h)	D (m)	Spacing (m)						
					12x15	12x18	15x15	15x18	18x18	20x20	
Red	3.5x2.5L Blue	3.0	1.240	27.2	6.9	5.7	5.5	4.6	3.8	3.1	
		4.0	1.430	27.2	7.9	6.6	6.4	5.3	4.4	3.6	
		5.0	1.620	27.2	9.0	7.5	7.2	6.0	5.0	4.1	
	4.0x2.5L Black	3.0	1.490	28.0	8.3	6.9	6.6	5.5	4.6	3.7	
		4.0	1.740	29.0	9.7	8.1	7.7	6.4	5.4	4.4	
		5.0	1.950	29.2	10.8	9.0	8.7	7.2	6.0	4.9	
Black	4.5x2.5L Brown	3.0	1.790	29.7	9.9	8.3	8.0	6.6	5.5	4.5	
		4.0	2.070	30.2	11.5	9.6	9.2	7.7	6.4	5.2	
		5.0	2.320	32.2	12.9	10.7	10.3	8.6	7.2	5.8	
	5.0x2.5L Purple	3.0	2.110	31.5	11.7	9.8	9.4	7.8	6.5	5.3	
		4.0	2.400	33.2	13.3	11.1	10.7	8.9	7.4	6.0	
		5.0	2.690	35.2	14.9	12.5	12.0	10.0	8.3	6.7	
	5.5x2.5L Orange	3.0	2.390	32.2	13.3	11.1	10.6	8.9	7.4	6.0	
		4.0	2.760	34.2	15.3	12.8	12.3	10.2	8.5	6.9	
		5.0	3.090	35.0	17.2	14.3	13.7	11.4	9.5	7.7	
	6.0x2.5L Red	3.0	2.700	34.2	15.0	12.5	12.0	10.0	8.3	6.8	
		4.0	3.160	36.0	17.6	14.6	14.0	11.7	9.8	7.9	
		5.0	3.540	34.0	19.7	16.4	15.7	13.1	10.9	8.9	