

# 5035 SD



## Overhead sprinklers

Plastic impact sprinkler  
3/4" male

### Applications

For general field use with solid-set irrigation systems

### Structure and Features

- Unique hammer combined with SD (super diffuser) plate - designed for uniform distribution with single or dual nozzles
- High water distribution with spacing up to 20m
- High 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, Black long SD**

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

Sleeve color	Nozzle color (mm)	P (bar)	Q (m <sup>3</sup> /h)	D (m)	Spacing (m)									
					12x12	12x15	12x18	15x15	15x18	18x18	20x20			
Red	3.5 Blue	2.5	0.720	24.0	5.0	4.0	3.3	3.2						
		3.0	0.790	24.0	5.5	4.4	3.7	3.5						
		4.0	0.910	25.0	6.3	5.1	4.2	4.0	3.4					
		5.0	1.040	25.0	7.2	5.8	4.8	4.6	3.9					
	4.0 Black	2.5	0.950	26.0	6.6	5.3	4.4	4.2	3.5					
		3.0	1.040	26.0	7.2	5.8	4.8	4.6	3.9					
		4.0	1.200	26.0	8.3	6.7	5.6	5.3	4.4	3.7				
		5.0	1.350	28.0	9.4	7.5	6.3	6.0	5.0	4.2				
	Black	4.5 Brown	2.5	1.210	28.0	8.4	6.7	5.6	5.4	4.5				
			3.0	1.320	28.0	9.2	7.3	6.1	5.9	4.9	4.1			
			4.0	1.540	29.0	10.7	8.5	7.1	6.8	5.7	4.7			
			5.0	1.710	30.0	11.9	9.5	7.9	7.6	6.3	5.3			
5.0 Purple		2.5	1.460	29.0	10.1	8.1	6.8	6.5	5.4	4.5				
		3.0	1.610	29.0	11.2	8.9	7.5	7.2	6.0	5.0	4.0			
		4.0	1.870	31.0	13.0	10.4	8.7	8.3	6.9	5.8	4.7			
		5.0	2.100	32.0	14.6	11.7	9.7	9.3	7.8	6.5	5.3			
5.5 Orange		2.5	1.760	30.0	12.2	9.8	8.1	7.8	6.5	5.4	4.4			
		3.0	1.930	31.0	13.4	10.7	8.9	8.6	7.1	6.0	4.8			
		4.0	2.230	34.0	15.5	12.4	10.3	9.9	8.3	6.9	5.6			
		5.0	2.490	35.0	17.3	13.8	11.5	11.1	9.2	7.7	6.2			
6.0 Red	2.5	2.060	30.0	14.3	11.4	9.5	9.2	7.6	6.4	5.2				
	3.0	2.260	32.0	15.7	12.6	10.5	10.0	8.4	7.0	5.7				
	4.0	2.620	34.0	18.2	14.6	12.1	11.6	9.7	8.1	6.6				
	5.0	2.940	36.0	20.4	16.3	13.6	13.1	10.9	9.1	7.4				

Color code - Distribution uniformity: CU > 92% (Green), CU 88-92% (Yellow), CU 85-88% (Orange), CU < 85% (Red)

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

For single nozzle or dual nozzle sprinkler be sure using the recommended SD unit (appears above the performance table)

**5035 SD Performance Table - Dual nozzle, Blue short SD**

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

Sleeve color	Nozzle color (mm)	P (bar)	Q (m <sup>3</sup> /h)	D (m)	Spacing (m)								
					12x12	12x15	12x18	15x15	15x18	18x18	20x20		
Red	3.5x2.5L Blue	3.0	1.240	27.2	8.6	6.9	5.7	5.5	4.6	3.8	3.1		
		4.0	1.430	27.2	9.9	7.9	6.6	6.4	5.3	4.4	3.6		
		5.0	1.620	27.2	11.3	9.0	7.5	7.2	6.0	5.0	4.1		
	4.0x2.5L Black	3.0	1.490	28.0	10.3	8.3	6.9	6.6	5.5	4.6	3.7		
		4.0	1.740	29.0	12.1	9.7	8.1	7.7	6.4	5.4	4.4		
		5.0	1.950	29.2	13.5	10.8	9.0	8.7	7.2	6.0	4.9		
Black	4.5x2.5L Brown	3.0	1.790	29.7	12.4	9.9	8.3	8.0	6.6	5.5	4.5		
		4.0	2.070	30.2	14.4	11.5	9.6	9.2	7.7	6.4	5.2		
		5.0	2.320	32.2	16.1	12.9	10.7	10.3	8.6	7.2	5.8		
	5.0x2.5L Purple	3.0	2.110	31.5	14.7	11.7	9.8	9.4	7.8	6.5	5.3		
		4.0	2.400	33.2	16.7	13.3	11.1	10.7	8.9	7.4	6.0		
		5.0	2.690	35.2	16.7	14.9	12.5	12.0	10.0	8.3	6.7		
	5.5x2.5L Orange	3.0	2.390	32.2	16.6	13.3	11.1	10.6	8.9	7.4	6.0		
		4.0	2.760	34.2	19.2	15.3	12.8	12.3	10.2	8.5	6.9		
		5.0	3.090	35.0	21.5	17.2	14.3	13.7	11.4	9.5	7.7		
	6.0x2.5L Red	3.0	2.700	34.2	18.8	15.0	12.5	12.0	10.0	8.3	6.8		
		4.0	3.160	36.0	21.9	17.6	14.6	14.0	11.7	9.8	7.9		
		5.0	3.540	34.0	24.6	19.7	16.4	15.7	13.1	10.9	8.9		

# 5035 SD PC



## Overhead sprinklers

Part-circle plastic impact sprinkler  
3/4" male

### Applications

For irrigation of edges in various field crops

### Structure and Features

- Unique and innovative PC (Part Circle) impact sprinkler.
- Unique hammer combined with SD (super diffuser) plate - designed for uniform distribution when paired with full circle sprinkler.
- Good performance at low pressure (see chart).
- Color-coded bayonet nozzles 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 PC Performance Table

Nozzle color (mm)	P (bar)	Q (m <sup>3</sup> /h)	D (m)
3.5* Blue	2.5	0.720	26
	3.0	0.790	27
	4.0	0.910	27
	5.0	1.020	28
4.0 Black	2.5	0.950	27
	3.0	1.040	28
	4.0	1.200	28
	5.0	1.350	29
4.5 Brown	2.5	1.210	28
	3.0	1.320	30
	4.0	1.540	31
	5.0	1.710	32
5.0 Purple	2.5	1.460	30
	3.0	1.610	31
	4.0	1.870	33
	5.0	2.100	34

\*Standard nozzle

\* Performance table prepared under laboratory conditions

\* For windy conditions use closer spacing



# 5035 G 1" SPRINKLER



## Overhead sprinklers

Plastic impact sprinkler 1" female

### Applications

For general field use with solid-set irrigation systems

### Structure and Features

- High water distribution with spacing up to 22m
- 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-G-1" Performance Table

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

Nozzle color (mm)	P (bar)	Q (m <sup>3</sup> /h)	D (m)	Spacing (m)			
				12x18	18x18	20x20	22x22
6.5x2.5L Grey	3.0	3.070	34.0	14.2	9.5	7.7	6.2
	4.0	3.550	36.5	16.4	11.0	8.9	7.1
	5.0	3.970	37.0	18.4	12.3	9.9	8.0
6.5x3.2 Grey	3.0	3.200	35.0	14.8	9.9	8.0	6.6
	4.0	3.700	37.0	17.1	11.4	9.3	7.6
	5.0	4.150	36.0	19.2	12.8	10.4	8.6
7.0x2.5L Green	3.0	3.450	35.0	16.0	10.6	8.6	7.0
	4.0	3.970	38.5	18.4	12.3	9.9	8.1
	5.0	4.390	37.0	20.3	13.5	11.0	9.0
7.0x3.2 Green	3.0	3.550	35.0	16.4	11.0	8.9	7.3
	4.0	4.100	37.0	19.0	12.7	10.3	8.5
	5.0	4.600	35.0	21.3	14.2	11.5	9.5

Rear nozzle color : 2.5L - grey; 3.2 mm - orange

Color code - Distribution uniformity	CU > 92%	CU 88-92%	CU 85-88%	CU < 85%
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\* Performance table prepared under laboratory conditions

\* For windy conditions use closer spacing