

700 Series Rotors

SPECIFICATIONS

Radius: 57' to 79' (17.4 m to 23.5 m)

Flow Rate: 16.3 to 43.8 gpm (1.03 to 2.76 l/s) (3.70 to 9.95 m³/h)

Arc: Full-circle 360°

Models:

- E:** Electric
- IC:** Integrated Control
- SAM:** Stopamatic
- B:** Seal-A-Matic™ device

Maximum Inlet Pressure:

- Models E and IC:** 150 psi (10.3 bar)
- Models SAM and B:** 100 psi (6.9 bar)

Pressure Regulation Range: 60 to 100 psi (4.1 to 6.9 bar)

Factory Pressure Settings: 700E/IC and available in 70 and 80 psi (4.8 and 5.5 bar)

Dimensions:

- Body Height:**
- Models E, IC, SAM:** 12.0" (30.5 cm)
- Model B:** 9.6" (24.5 cm)

- Pop-Up Height to Mid-Nozzle:**
- Models E, IC, SAM, B:** 2.6" (6.6 cm)

- Top Diameter:**
- Models E, IC, SAM:** 6.25" (15.9 cm)
- Model B:** 4.25" (10.8 cm)

Nozzle Trajectory:

- Standard:** 25°
- Wind Tolerant:** 12°

Inlet Threads:

- Models E, IC, SAM:** 1.25" (3.2 cm) ACME Female Threaded
- Models B:** 1" (2.5 cm) ACME Female Threaded

Holdback:

- Block:** 10' (3.1 m) of elevation
- SAM:** 15' (4.6 m) of elevation

Rotation Time: 360° in ≤ 180 seconds; 150 seconds nominally

Maximum Stream Height:

- Standard:** 17' (5.2 m)
- Wind Tolerant:** 10' (3.1 m)

Solenoid: 24 VAC solenoid power requirement: 0.41 amp inrush current (9.8 VA);

- 60 cycle:** 0.20 amp holding current (4.8 VA);
- 50 cycle:** 0.23 amp holding current (5.4 VA)

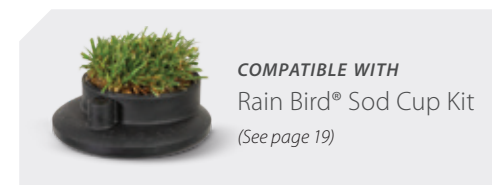
Surge Resistance: Up to 25kV standard on electric models

Top-Serviceable Rock Screen™ and Replaceable Valve Seat:
On models E, IC, SAM

Features and Benefits

Featuring consistent pressure regulation and high-efficiency nozzles with large droplets that cut through harsh winds, Rain Bird® 700 Series rotors give you the even distribution you need for a healthy playing surface. With the ability to drop a new Rain Bird 700 Series internal assembly into your existing rotor cases, they save you time and money year after year.

Rain Bird golf rotors offer a low cost of ownership through a powerful combination of versatility, performance and durability.



COMPATIBLE WITH
Rain Bird® Sod Cup Kit
(See page 19)



U.S. Performance Data

DUAL SPREADER™ NOZZLES												
Base Pressure (psi)	50		60		70		80		90		100	
	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)
#28 - White	57	18.0	59	19.7	59	21.3	61	22.8	61	24.1	61	25.5
#32 - Blue	61	21.9	63	22.8	65	24.5	65	27.4	67	29.0	67	29.6
#36 - Yellow	65	23.2	65	25.5	65	27.5	67	29.5	65	31.2	67	32.9
#40 - Orange	65	25.5	67	27.8	71	29.8	71	31.9	73	33.9	73	35.6
#44 - Green	—	—	71	30.7	69	33.0	71	35.2	75	37.5	75	39.5
#48 - Black	—	—	—	—	73	37.0	77	39.4	79	41.8	77	43.8

WIND TOLERANT NOZZLES												
Base Pressure (psi)	50		60		70		80		90		100	
	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)
#16 WTN - Gray	—	—	56	16.3	56	17.5	60	18.5	62	20.2	63	21.1
#18 WTN - Red	—	—	58	19.0	61	20.9	65	22.3	65	23.2	65	24.2
#22 WTN - Black	—	—	—	—	65	27.6	65	34.8	67	38.8	71	40.5

Metric Performance Data

DUAL SPREADER™ NOZZLES																		
Base Pressure (bar)	3.4		4.1		4.8		5.5		6.2		6.9							
	Radius (m)	Flow (l/s)	Flow (m ³ /h)	Radius (m)	Flow (l/s)	Flow (m ³ /h)	Radius (m)	Flow (l/s)	Flow (m ³ /h)	Radius (m)	Flow (l/s)	Flow (m ³ /h)	Radius (m)	Flow (l/s)	Flow (m ³ /h)			
#28 - White	17.4	1.14	4.09	18.0	1.24	4.47	18.0	1.34	4.84	18.6	1.44	5.18	18.6	1.52	5.47	18.6	1.61	5.79
#32 - Blue	18.6	1.38	4.97	19.2	1.44	5.18	19.8	1.55	5.56	19.8	1.73	6.22	20.4	1.83	6.59	20.4	1.87	6.72
#36 - Yellow	19.8	1.46	5.27	19.8	1.61	5.79	19.8	1.73	6.25	20.4	1.86	6.70	19.8	1.97	7.09	20.4	2.08	7.47
#40 - Orange	19.8	1.61	5.79	20.4	1.75	6.31	21.6	1.88	6.77	21.6	2.01	7.25	22.3	2.14	7.70	22.3	2.25	8.09
#44 - Green	—	—	—	21.6	1.94	6.97	21.0	2.08	7.49	21.6	2.22	7.99	22.9	2.37	8.52	22.9	2.49	8.97
#48 - Black	—	—	—	—	—	—	22.3	2.33	8.40	23.5	2.49	8.95	24.1	2.64	9.49	23.5	2.76	9.95

WIND TOLERANT NOZZLES																		
Base Pressure (bar)	3.4		4.1		4.8		5.5		6.2		6.9							
	Radius (m)	Flow (l/s)	Flow (m ³ /h)	Radius (m)	Flow (l/s)	Flow (m ³ /h)	Radius (m)	Flow (l/s)	Flow (m ³ /h)	Radius (m)	Flow (l/s)	Flow (m ³ /h)	Radius (m)	Flow (l/s)	Flow (m ³ /h)			
#16 WTN - Gray	—	—	—	17.1	1.03	3.70	17.1	1.10	3.97	18.3	1.17	4.20	18.9	1.27	4.59	19.2	1.33	4.79
#18 WTN - Red	—	—	—	17.7	1.20	4.32	18.6	1.32	4.75	19.8	1.41	5.06	19.8	1.46	5.27	19.8	1.53	5.50
#22 WTN - Black	—	—	—	—	—	—	19.8	1.74	6.27	19.8	2.20	7.90	20.4	2.45	8.81	21.6	2.56	9.20

HOW TO SPECIFY

THREAD TYPE	MODEL	BODY/ VALVE	PRESSURE REGULATOR	NOZZLE
ACME	700	E	70 (4.8)	28
		IC	80 (5.5)	32
		SAM		36
		B		40
				44
				48

751 Series Rotors

SPECIFICATIONS

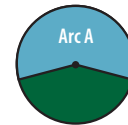
- Radius:** 37' to 75' (11.2 m to 22.3 m)
- Flow Rate:** 7.0 to 37.7 gpm (0.44 to 2.38 l/s) (1.59 to 8.56 m³/h)
- Arc:** Full-circle 360°; Adjustable 30° to 345°
- Models:**
 - E:** Electric
 - IC:** Integrated Control
 - SAM:** Stopmatic
 - B:** Seal-A-Matic™ device
- Maximum Inlet Pressure:**
 - Models E and IC:** 150 psi (10.3 bar)
 - Models SAM and B:** 100 psi (6.9 bar)
- Pressure Regulation Range:** 60 to 100 psi (4.1 to 6.9 bar)
- Factory Pressure Settings:** 751E/IC available in 70 and 80 psi (4.8 and 5.5 bar)
- Dimensions:**
 - Body Height:**
 - Models E, IC, SAM:** 12.0" (30.5 cm)
 - Model B:** 9.6" (24.5 cm)
 - Pop-Up Height to Mid-Nozzle:**
 - Models E, IC, SAM, B:** 2.6" (6.6 cm)
 - Top Diameter:**
 - Models E, IC, SAM:** 6.25" (15.9 cm)
 - Model B:** 4.25" (10.8 cm)
- Nozzle Trajectory:**
 - Standard:** 25°
 - Wind Tolerant:** 12°
 - Low-Angle:** 15°
- Inlet Threads:**
 - Models E, IC, SAM:** 1.25" (3.2 cm) ACME Female Threaded
 - Model B:** 1" (2.5 cm) ACME Female Threaded
- Holdback:**
 - Block:** 10' (3.1 m) of elevation
 - SAM:** 15' (4.6 m) of elevation

- Rotation Time:** 180° in ≤ 90 seconds; 75 seconds nominally
- Maximum Stream Height:**
 - Standard:** 17' (5.2 m)
 - Wind Tolerant:** 10' (3.1 m)
 - Low Angle:** 12' (3.7 m)
- Solenoid:** 24 VAC solenoid power requirement: 0.41 amp inrush current (9.8 VA); **60 cycle:** 0.20 amp holding current (4.8 VA); **50 cycle:** 0.23 amp holding current (5.4 VA)
- Surge Resistance:** Up to 25kV standard on electric models
- Top-Serviceable Rock Screen™ and Replaceable Valve Seat:** On models E, IC, SAM

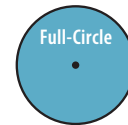


Rapid-Adjust Technology Featuring MemoryArc®

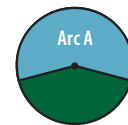
Whether you're catering to grow-in or just trying to get more from a limited water supply, Rapid-Adjust Technology lets your staff make easy arc adjustments with the turn of a screw. MemoryArc retains two part-circle arc settings, so you can shift between full- and part-circle operation in seconds.



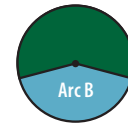
Step 1
Set primary rotor arc.



Step 2
Turn the Full/Part Adjustment Screw for full-circle operation.



Step 3
Turn the rotor to either Arc A or Arc B setting, then set to part-circle. No need to reset the arc when changing between full- and part-circle settings.



NEW
Low Angle Nozzle Housing Kit
The Rain Bird 751 Series low angle nozzle housing kit with 15° trajectory gives the user capability to optimize rotors to meet challenging field conditions such as elevation differences, wind and obstacles.



HOW TO SPECIFY

A	751	XX	XX	XX
THREAD TYPE	MODEL	BODY/ VALVE	PRESSURE REGULATOR	NOZZLE
ACME	751	E	70 (4.8)	20
		IC	80 (5.5)	22
		SAM		28
		B		32
				36
				40
				44
				48

U.S. Performance Data

DUAL SPREADER™ NOZZLES WITH STANDARD AND LOW ANGLE (LA) HOUSINGS																		
Base Pressure (psi)	50			60			70			80			90			100		
	Radius (ft)	Radius LA (ft)	Flow (gpm)	Radius (ft)	Radius LA (ft)	Flow (gpm)	Radius (ft)	Radius LA (ft)	Flow (gpm)	Radius (ft)	Radius LA (ft)	Flow (gpm)	Radius (ft)	Radius LA (ft)	Flow (gpm)	Radius (ft)	Radius LA (ft)	Flow (gpm)
#20 - Gray	37	32	7.0	39	32	7.8	39	32	8.4	41	34	8.9	—	—	—	—	—	—
#22 - Red	40	40	8.3	45	40	9.5	45	42	10.2	43	41	10.8	—	—	—	—	—	—
#28 - White	55	52	15.2	57	55	16.8	59	56	18.1	59	55	19.3	59	55	20.5	57	56	21.5
#32 - Blue	59	59	17.1	61	61	18.6	61	61	20.0	61	61	21.4	63	62	22.5	63	63	23.9
#36 - Yellow	61	60	19.1	63	63	20.8	65	65	22.6	67	67	24.0	69	69	25.5	69	69	26.5
#40 - Orange	63	62	21.7	67	65	23.8	69	67	25.6	71	67	27.5	71	70	28.9	71	70	30.7
#44 - Green	—	—	—	65	65	26.3	69	69	28.3	71	71	30.4	71	71	32.1	73	73	34.1
#48 - Black	—	—	—	—	—	—	69	69	31.4	73	73	33.7	75	75	35.7	73	73	37.7

WIND TOLERANT NOZZLES													
Base Pressure (psi)	50		60		70		80		90		100		
	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	
#16 WTN - Gray	—	—	60	15.7	62	16.7	62	17.8	64	18.8	66	20.4	
#18 WTN - Red	—	—	63	18.8	63	20.0	65	21.4	67	22.7	67	24.0	
#22 WTN - Black	—	—	—	—	65	27.6	65	35.8	67	37.6	71	41.1	

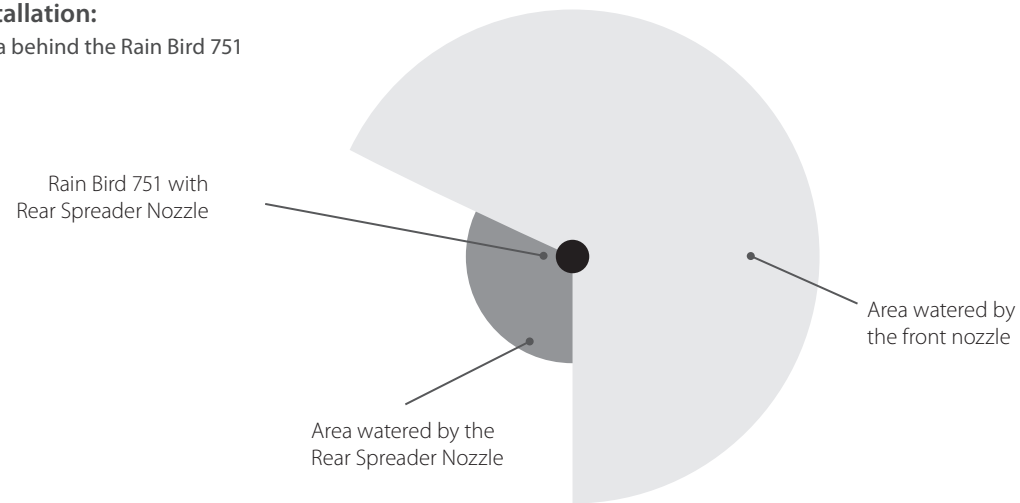
Metric Performance Data

DUAL SPREADER™ NOZZLES WITH STANDARD AND LOW ANGLE (LA) HOUSINGS																								
Base Pressure (bar)	3.4		4.1		4.8		5.5		6.2		6.9													
	Radius (m)	Radius LA (m)	Flow (l/s)	Flow (m ³ /h)	Radius (m)	Radius LA (m)	Flow (l/s)	Flow (m ³ /h)	Radius (m)	Radius LA (m)	Flow (l/s)	Flow (m ³ /h)	Radius (m)	Radius LA (m)	Flow (l/s)	Flow (m ³ /h)								
#20 - Gray	11.3	9.8	0.40	1.59	11.8	9.8	0.49	1.77	11.9	9.8	0.53	1.91	12.5	10.4	0.56	2.02	—	—	—	—				
#22 - Red	12.2	12.2	0.52	1.89	13.7	12.2	0.60	2.16	13.7	12.8	0.64	2.32	13.1	12.5	0.68	2.45	—	—	—	—				
#28 - White	16.8	15.8	0.96	3.45	17.4	16.8	1.06	3.82	18.0	17.1	1.14	4.11	18.0	16.8	1.22	4.38	18.0	16.8	1.29	4.66	17.4	17.1	1.36	4.88
#32 - Blue	18.0	18.0	1.08	3.88	18.6	18.6	1.17	4.22	18.6	18.6	1.26	4.54	18.6	18.6	1.35	4.86	19.2	18.9	1.42	5.11	19.2	19.2	1.51	5.43
#36 - Yellow	18.6	18.3	1.21	4.34	19.2	19.2	1.31	4.72	19.8	19.8	1.43	5.13	20.4	20.4	1.51	5.45	21.0	21.0	1.61	5.79	21.0	21.0	1.67	6.02
#40 - Orange	19.2	18.9	1.37	4.93	20.4	19.8	1.50	5.41	21.0	20.4	1.62	5.81	21.0	20.4	1.73	6.25	21.6	21.3	1.82	6.56	21.6	21.3	1.94	6.97
#44 - Green	—	—	—	—	19.8	19.8	1.66	5.97	21.0	21.0	1.79	6.43	21.6	21.6	1.92	6.90	21.6	21.6	2.03	7.29	22.3	22.3	2.15	7.74
#48 - Black	—	—	—	—	—	—	—	—	21.0	21.0	1.98	7.13	22.3	22.3	2.13	7.65	22.9	22.9	2.25	8.11	22.3	22.3	2.38	8.56

WIND TOLERANT NOZZLES																		
Base Pressure (bar)	3.4		4.1		4.8		5.5		6.2		6.9							
	Radius (m)	Flow (l/s)	Flow (m ³ /h)	Radius (m)	Flow (l/s)	Flow (m ³ /h)	Radius (m)	Flow (l/s)	Flow (m ³ /h)	Radius (m)	Flow (l/s)	Flow (m ³ /h)	Radius (m)	Flow (l/s)	Flow (m ³ /h)			
#16 WTN - Gray	—	—	—	18.3	0.99	3.57	18.9	1.05	3.79	18.9	1.12	4.04	19.5	1.19	4.27	20.1	1.29	4.63
#18 WTN - Red	—	—	—	19.2	1.19	4.27	19.2	1.26	4.54	19.8	1.35	4.86	20.4	1.43	5.16	20.4	1.51	5.45
#22 WTN - Black	—	—	—	—	—	—	19.8	1.74	6.27	19.8	2.26	8.13	20.4	2.37	8.54	21.6	2.59	9.33

Typical Installation:

Watering area behind the Rain Bird 751



751 Series U.S. Performance Data

REAR SPREADER NOZZLES																		
Spreader Nozzle Color	Flow (gpm)	Nozzle Range (ft)		Flow (gpm)	Nozzle Range (ft)		Flow (gpm)	Nozzle Range (ft)		Flow (gpm)	Nozzle Range (ft)		Flow (gpm)	Nozzle Range (ft)		Flow (gpm)	Nozzle Range (ft)	
MAIN NOZZLE #28 – WHITE									MAIN NOZZLE #32 – BLUE									
Pressure (psi)	60		70		80		60		70		80		60		70		80	
Orange	20.00	55.00	25.00	21.40	55.00	23.00	22.80	55.00	23.00	22.10	61.00	29.00	23.40	61.00	29.00	25.20	61.00	29.00
Green	22.90	51.00	47.00	24.00	53.00	45.00	25.60	51.00	47.00	24.60	57.00	47.00	26.60	59.00	45.00	28.40	59.00	45.00
Blue	22.63	50.98	44.98	24.39	50.98	44.98	25.27	52.99	44.98	24.57	58.99	42.98	26.55	58.99	44.98	28.27	60.99	44.98
Black	21.13	52.99	36.98	23.12	52.99	38.98	24.39	50.98	38.98	23.20	58.99	36.98	24.79	56.99	36.98	26.64	58.99	38.98
Red	21.90	53.00	49.00	23.60	55.00	49.00	25.10	55.00	47.00	24.10	55.00	49.00	25.00	59.00	47.00	26.50	57.00	47.00
Blue + Diffuser	20.90	57.00	33.00	21.50	55.00	33.00	22.90	55.00	33.00	23.20	61.00	31.00	24.90	61.00	31.00	26.30	61.00	31.00
Black + Diffuser	19.20	54.99	30.97	29.28	56.99	30.97	21.84	54.99	30.97	20.96	56.99	32.97	22.63	56.99	32.97	24.08	56.99	32.97
MAIN NOZZLE #36 – YELLOW									MAIN NOZZLE #40 – ORANGE									
Pressure (psi)	60		70		80		60		70		80		60		70		80	
Orange	23.40	61.00	29.00	25.40	63.00	29.00	27.10	63.00	27.00	27.70	69.00	29.00	29.60	69.00	29.00	31.60	71.00	29.00
Green	26.90	61.00	43.00	29.10	61.00	45.00	30.50	63.00	45.00	30.20	63.00	47.00	32.40	65.00	49.00	34.50	69.00	51.00
Blue	25.93	58.99	40.98	28.00	60.99	38.98	29.76	60.99	38.98	29.68	62.99	40.98	32.10	64.99	40.98	34.25	66.99	40.98
Black	26.42	60.99	36.98	27.78	60.99	34.97	29.54	60.99	36.98	28.97	60.99	36.98	31.22	62.99	36.98	34.20	62.99	36.98
Red	26.10	61.00	45.00	28.20	61.00	43.00	30.20	61.00	43.00	30.40	63.00	47.00	32.80	67.00	45.00	34.70	67.00	45.00
Blue + Diffuser	24.60	63.00	35.00	26.30	63.00	31.00	27.90	65.00	33.00	28.00	63.00	31.00	30.30	67.00	31.00	32.10	69.00	31.00
Black + Diffuser	24.48	64.99	34.97	25.67	64.99	34.97	27.12	64.99	34.97	27.21	62.99	30.97	29.46	64.99	30.97	31.30	66.99	30.97
MAIN NOZZLE #44 – GREEN									MAIN NOZZLE #48 – BLACK									
Pressure (psi)	60		70		80		70		80		90		70		80		90	
Orange	29.30	65.00	27.00	31.70	69.00	27.00	33.70	71.00	27.00	35.00	73.00	29.00	37.60	75.00	29.00	39.70	79.00	29.00
Green	32.80	65.00	47.00	35.40	67.00	43.00	37.80	69.00	43.00	38.30	71.00	45.00	40.70	77.00	45.00	42.80	77.00	47.00
Blue	32.27	64.99	38.98	35.00	66.99	38.98	37.16	69.00	38.98	37.47	71.00	40.98	39.49	75.00	38.98	42.27	75.00	38.98
Black	31.79	64.99	34.97	34.25	66.99	34.97	36.50	71.00	32.97	37.47	75.00	36.98	40.11	77.00	34.97	42.14	78.97	36.98
Red	32.30	65.00	45.00	34.90	67.00	45.00	37.10	67.00	33.00	37.80	73.00	47.00	40.40	73.00	47.00	42.80	77.00	47.00
Blue + Diffuser	30.90	67.00	33.00	33.20	73.00	31.00	35.50	73.00	33.00	36.00	77.00	31.00	38.30	77.00	31.00	40.60	77.00	31.00
Black + Diffuser	29.06	64.99	32.97	31.22	69.00	28.97	33.37	71.00	30.97	35.22	73.00	30.97	37.25	73.00	30.97	39.14	77.00	30.97

751 Series Metric Performance Data

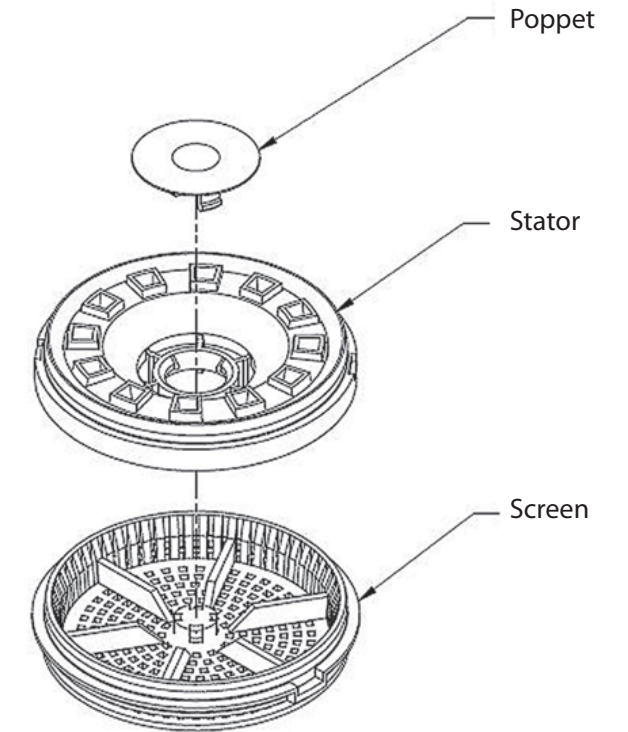
REAR SPREADER NOZZLES																		
Spreader Nozzle Color	Flow (m³/h)	Nozzle Range (m)		Flow (m³/h)	Nozzle Range (m)		Flow (m³/h)	Nozzle Range (m)		Flow (m³/h)	Nozzle Range (m)		Flow (m³/h)	Nozzle Range (m)		Flow (m³/h)	Nozzle Range (m)	
MAIN NOZZLE #28 – WHITE									MAIN NOZZLE #32 – BLUE									
Pressure (bar)	4.1		4.8		5.5		4.1		4.8		5.5		4.1		4.8		5.5	
Orange	4.54	16.76	7.62	4.86	16.76	7.01	5.18	16.76	7.01	5.02	18.59	8.84	5.31	18.59	8.84	5.72	18.59	8.84
Green	5.20	15.54	14.33	5.45	16.15	13.72	5.81	15.54	14.33	5.59	17.37	14.33	6.04	17.98	13.72	6.45	17.98	13.72
Blue	5.14	15.54	13.71	5.54	15.54	13.71	5.74	16.15	13.71	5.58	17.98	13.10	6.03	17.98	13.71	6.42	18.59	13.71
Black	4.80	16.15	11.27	5.25	16.15	11.88	5.54	15.54	11.88	5.27	17.98	11.27	5.63	17.37	11.27	6.05	17.98	11.88
Red	4.97	16.15	14.94	5.36	16.76	14.94	5.70	16.76	14.33	5.47	16.76	14.94	5.68	17.37	14.33	6.02	17.37	14.33
Blue + Diffuser	4.75	17.37	10.06	4.88	16.76	10.06	5.20	16.76	10.06	5.27	18.59	9.45	5.66	18.59	9.45	5.97	18.59	9.45
Black + Diffuser	4.36	16.76	9.44	6.65	17.37	9.44	4.96	16.76	9.44	4.76	17.37	10.05	5.14	17.37	10.05	5.47	17.37	10.05
MAIN NOZZLE #36 – YELLOW									MAIN NOZZLE #40 – ORANGE									
Pressure (bar)	4.1		4.8		5.5		4.1		4.8		5.5		4.1		4.8		5.5	
Orange	5.31	18.59	8.84	5.77	19.2	8.84	6.16	19.2	8.23	6.29	21.03	8.84	6.72	21.03	8.84	7.18	21.64	8.84
Green	6.11	18.59	13.11	6.61	18.59	13.72	6.93	19.2	13.72	6.86	19.2	14.33	7.36	19.81	14.94	7.84	21.03	15.54
Blue	5.89	17.98	12.49	6.36	18.59	11.88	6.76	18.59	11.88	6.74	19.20	12.49	7.29	19.81	12.49	7.78	20.42	12.49
Black	6.00	18.59	11.27	6.31	18.59	10.66	6.71	18.59	11.27	6.58	18.59	11.27	7.09	19.20	11.27	7.77	19.20	11.27
Red	5.93	18.59	13.72	6.40	18.59	13.11	6.86	18.59	13.11	6.90	19.20	14.33	7.45	20.42	13.72	7.88	20.42	13.72
Blue + Diffuser	5.59	19.20	10.67	5.97	19.20	9.45	6.34	19.81	10.06	6.36	19.20	9.45	6.88	20.42	9.45	7.29	21.03	9.45
Black + Diffuser	5.56	19.81	10.66	5.83	19.81	10.66	6.16	19.81	10.66	6.18	19.20	9.44	6.69	19.81	9.44	7.11	20.42	9.44
MAIN NOZZLE #44 – GREEN									MAIN NOZZLE #48 – BLACK									
Pressure (bar)	4.1		4.8		5.5		4.8		5.5		6.2		4.8		5.5		6.2	
Orange	6.65	19.81	8.23	7.20	21.03	8.23	7.65	21.64	8.23	7.95	22.25	8.84	8.54	22.86	8.84	9.02	24.08	8.84
Green	7.45	19.81	14.33	8.04	20.42	13.11	8.59	21.03	13.11	8.70	21.64	13.72	9.24	23.47	13.72	9.72	23.47	14.33
Blue	7.33	19.81	11.88	7.95	20.42	11.88	8.44	21.03	11.88	8.51	21.64	12.49	8.97	22.86	11.88	9.60	22.86	11.88
Black	7.22	19.81	10.66	7.78	20.42	10.66	8.29	21.64	10.05	8.51	22.86	11.27	9.11	23.47	10.66	9.57	24.07	11.27
Red	7.34	19.81	13.72	7.93	20.42	13.72	8.43	20.42	10.06	8.59	22.25	14.33	9.18	22.25	14.33	9.72	23.47	14.33
Blue + Diffuser	7.02	20.42	10.06	7.54	22.25	9.45	8.06	22.25	10.06	8.18	23.47	9.45	8.70	23.47	9.45	9.22	23.47	9.45
Black + Diffuser	6.60	19.81	10.05	7.09	21.03	8.83	7.58	21.64	9.44	8.00	22.25	9.44	8.46	22.25	9.44	8.89	23.47	9.44



Features	551	700	751	900	950
Radius	32' to 55' (9.8 m to 16.8 m)	57' to 79' (17.4 m to 23.5 m)	37' to 75' (11.2 m to 22.3 m)	63' to 97' (19.2 m to 29.6 m)	70' to 92' (21.3 m to 28.0 m)
Flow Rate	6.83 to 13.63 gpm (0.43 to 0.86 l/s) (1.55 to 3.10 m ³ /h)	16.3 to 43.8 gpm (1.03 to 2.76 l/s) (3.70 to 9.95 m ³ /h)	7.0 to 37.7 gpm (0.44 to 2.38 l/s) (1.59 to 8.56 m ³ /h)	21.4 to 57.1 gpm (1.35 to 3.60 l/s) (4.85 to 12.97 m ³ /h)	19.5 to 59.4 gpm (1.23 to 3.75 l/s) (4.43 to 13.49 m ³ /h)
Arc	Full-circle 360° Adjustable 30° to 345°	Full-circle 360°	Full-circle 360° Adjustable 30° to 345°	Full-circle 360°	Adjustable 40° to 345°
Models	Full- and Part-Circle 551E: Electric 551IC: Integrated Control 551SAM: Stopamatic 551B: Seal-A-Matic™	Full-Circle 700E: Electric 700IC: Integrated Control 700SAM: Stopamatic 700B: Seal-A-Matic™	Full- and Part-Circle 751E: Electric 751IC: Integrated Control 751SAM: Stopamatic 751B: Seal-A-Matic™	Full-Circle 900E: Electric 900IC: Integrated Control 900SAM: Stopamatic	Part-Circle 950E: Electric 950IC: Integrated Control 950SAM: Stopamatic
Maximum Inlet Pressure	Models E and IC: 150 psi (10.3 bar) Models SAM and B: 100 psi (6.9 bar)	Models E and IC: 150 psi (10.3 bar) Models SAM and B: 100 psi (6.9 bar)	Models E and IC: 150 psi (10.3 bar) Models SAM and B: 100 psi (6.9 bar)	Models E and IC: 150 psi (10.3 bar) Model SAM: 100 psi (6.9 bar)	
Pressure Regulation Range	60 to 100 psi (4.1 to 6.9 bar)	60 to 100 psi (4.1 to 6.9 bar)	60 to 100 psi (4.1 to 6.9 bar)	60 to 100 psi (4.1 to 6.9 bar)	
Factory Pressure Settings	E and IC: Available in 70 and 80 psi (4.8 and 5.5 bar)	E and IC: Available in 70 and 80 psi (4.8 and 5.5 bar)	E and IC: Available in 70 and 80 psi (4.8 and 5.5 bar)	E and IC: Available in 70 and 80 psi (4.8 and 5.5 bar)	
Body Height	Models E, IC, SAM: 12.0" (30.5 cm) Model B: 9.6" (24.5 cm)	Models E, IC, SAM: 12.0" (30.5 cm) Model B: 9.6" (24.5 cm)	Models E, IC, SAM: 12.0" (30.5 cm) Model B: 9.6" (24.5 cm)	13.4" (34.0 cm)	
Pop-Up Height	2.6" (6.6 cm)	2.6" (6.6 cm)	2.6" (6.6 cm)	2.25" (5.7 cm)	
Top Diameter	Models E, IC, SAM: 6.25" (15.9 cm) Model B: 4.25" (10.8 cm)	Models E, IC, SAM: 6.25" (15.9 cm) Model B: 4.25" (10.8 cm)	Models E, IC, SAM: 6.25" (15.9 cm) Model B: 4.25" (10.8 cm)	7" (17.8 cm)	
Nozzle Trajectory	51 Nozzle: 12° 52, 53, 54 Nozzles: 25°	Standard: 25° Wind Tolerant: 12°	Standard: 25° Wind Tolerant: 12° Low-Angle: 15°	25°	
Inlet Threads	Models E, IC, SAM: 1.25" (3.2 cm) ACME Female Threaded Model B: 1" (2.5 cm) ACME Female Threaded	Models E, IC, SAM: 1.25" (3.2 cm) ACME Female Threaded Model B: 1" (2.5 cm) ACME Female Threaded	Models E, IC, SAM: 1.25" (3.2 cm) ACME Female Threaded Model B: 1" (2.5 cm) ACME Female Threaded	1.5" (3.8 cm) (15/21) ACME Female Threaded	
Holdback	Block: 10' (3.1 m) of elevation SAM: 15' (4.6 m) of elevation	Block: 10' (3.1 m) of elevation SAM: 15' (4.6 m) of elevation	Block: 10' (3.1 m) of elevation SAM: 15' (4.6 m) of elevation	SAM: 15' (4.6 m) elevation	
Rotation Time	360° in ≤ 180 seconds; 150 seconds nominally 180° in ≤ 90 seconds; 75 seconds nominally	360° in ≤ 180 seconds; 150 seconds nominally	180° in ≤ 90 seconds; 75 seconds nominally	360° in ≤ 240 seconds; 210 seconds nominally	180° in ≤ 120 seconds; 105 seconds nominally
Maximum Stream Height	51 Nozzle: 5' (1.5 m) 52, 53, 54 Nozzles: 13' (4.0 m)	Standard: 17' (5.2 m) Wind Tolerant: 10' (3.1 m)	Standard: 17' (5.2 m) Wind Tolerant: 10' (3.1 m) Low-Angle: 12' (3.7 m)	20' (6.1 m)	
Solenoid	24 VAC solenoid power requirement	24 VAC solenoid power requirement	24 VAC solenoid power requirement	24 VAC solenoid power requirement	
Surge Resistance	Up to 25kV standard on electric models with the GBS-25 solenoid	Up to 25kV standard on electric models	Up to 25kV standard on electric models	Up to 25kV standard on electric models	
Top-Serviceable Rock Screen™ and Replaceable Valve Seat	E, IC, SAM	E, IC, SAM	E, IC, SAM	E, IC, SAM	

Golf Rotor Stator Configuration

Nozzle	Pressure Settings psi (bar)				All SAM and B
	60 (4.1)	70 (4.8)	80 (5.5)	100 (6.9)	
551					
#51-Blue*	S-4	S-4	S-4	S-4	S-4
#52-Beige*	S-4	S-4	S-4	S-4	S-4
#53-Gray*	S-4	S-4	S-4	S-4	S-4
#54-Red*	S-8	S-8	S-8	S-8	S-8
700					
#28-White	SPC	SPC	SPC	SPC	SPC
#32-Blue	SPO	SPO	SPO	SPO	SPO
#36-Yellow	SPO	SPO	SPO	SPO	SPO
#40-Orange	SNP	SNP	SNP	SNP	SNP
#44-Green	SNP	SNP	SNP	SNP	SNP
#48-Black	N/R	SNP	SPR	SPR	SNP
#16 WTN	SPC	SPC	SPC	SPC	SPC
#18 WTN	SPO	SPO	SPO	SPO	SPO
#22 WTN	N/R	SNP	SNP	SNP	SNP
751					
#20-Gray*	S-4	S-4	S-4	S-4	S-4
#22-Red*	S-8	S-8	S-8	S-8	S-8
#28-White	SPC	SPC	SPC	SPC	SPC
#32-Blue	SPO	SPO	SPO	SPO	SPO
#36-Yellow	SPO	SPO	SPO	SPO	SPO
#40-Orange	SNP	SNP	SNP	SNP	SNP
#44-Green	SNP	SNP	SNP	SNP	SNP
#48-Black	SNP	SPR	SPR	SPR	SNP
#16 WTN	SPC	SPC	SPC	SPC	SPC
#18 WTN	SPO	SPO	SPO	SPO	SPO
#22 WTN	N/R	SNP	SNP	SNP	SNP
900					
#44-Blue	SPC	SPC	SPC	SPC	SPC
#48-Yellow	SPC	SPC	SPC	SPC	SPC
#52-Orange	SPC	SPO	SPO	SPO	SPO
#56-Green	N/R	SNP	SNP	SNP	SNP
#60-Black	N/R	SNP	SPR	SPR	SPR
#64-Red	N/R	SPR	SPR	SPR	SPR
950					
#18C-White	SPC	SPC	SPC	SPC	SPC
#20C-Gray	SPC	SPC	SPC	SPC	SPC
#22C-Blue	SPC	SPC	SPC	SPC	SPC
#24C-Yellow	SPC	SPC	SPO	SPO	SPO
#26-Orange	SPO	SPO	SPO	SPO	SPO
#28-Green	N/R	SNP	SPR	SPR	SPR
#30-Black	N/R	SNP	SPR	SPR	SPR
#32-Brown	N/R	SNP	SPR	SPR	SPR



Key:

- SPC = Stator Poppet Closed
 - SPO = Stator Poppet Open
 - SNP = Stator No Poppet
 - SPR = Spacer
 - SO = Screen Only
 - S4 = Stator with four holes
 - S8 = Stator with eight holes
 - N/R = Not a recommended pressure and nozzle combination
- * Requires low-flow valve

Swing Joints

Featuring superior flow characteristics and excellent structural integrity, these swing joints are designed to deliver the performance you expect from Rain Bird while saving you money. They are available in a wide range of configurations. Rain Bird® Swing Joints are the perfect complement to our golf series rotors.

SPECIFICATIONS

Diameter: 1" (2.5 cm), 1 ¼" (3.2 cm) and 1 ½" (3.8 cm)

Lay Arm Lengths: 8" (20.3 cm), 12" (30.5 cm) and 18" (45.7 cm)

Inlet Type: NPT, BSP, ACME and spigot

Outlet Thread Type: NPT, BSP or ACME

Enlarging NPT, BSP or ACME Outlets: Available on 1" (2.5 cm) and 1 ¼" (3.2 cm) swing joints for connections to many rotors with 1 ¼" (3.2 cm) and 1 ½" (3.8 cm) inlet sizes respectively (no additional adapters required)

Inlet Configurations: Standard side or top-mount connections to lateral lines

Outlet Configuration: Single-top or triple-top for added rotor positioning flexibility

Pressure Rating: 315 psi (21.7 bar) at 73°F (22.8°C)

Reducing ACME Inlet: Available on 1 ¼" (3.2 cm) diameter swing joints for connection to a 1 ½" (3.8 cm) ACME service tee

Superior Flow Characteristics. An innovative swept elbow design reduces pressure loss by up to 50 percent over other swing joints.

Excellent Structural Integrity. Reduces the costs associated with fatigue-related failures.

Double O-ring Protection. Provides a better seal to ensure that joints are kept clean and can be repositioned easily.

Modified ACME Outlet. Improves safety by losing seal engagement before losing thread engagement during rotor removal.

Color-coding and Distinct Size Markings. Reduce costs by eliminating errors and improving installation efficiency with quick size identification at the job site.

Oversized Threaded Inlets. Make hand-tightening and blind installations (underwater) easier. This also reduces the risk of potential damage caused by over-tightening with a wrench.

Extended Warranty. When used with Rain Bird golf rotors, extends rotor and swing joint warranty to five years.

ALSO AVAILABLE

NPT and BSP ACME Adapters

If you currently have NPT or BSP swing joints, you can now enjoy the benefits of ACME-threaded rotors by utilizing a Rain Bird NPT-ACME or BSP-ACME side of the adapter. Just screw the adapter into the inlet on the ACME case, and then screw the rotor with the adapter onto the NPT or BSP swing joint until it is snug.

Available for 1", 1 ¼", and 1 ½" swing joints, the adapter adds only about 1 ¾" to the installed height of the rotor, and is rated at the same operating pressures as Rain Bird Swing Joints.



HOW TO SPECIFY*

J - X	X	X - 00	X	X
LENGTH	CONFIG	CONFIG	INLET STYLE	OUTLET STYLE
Lay Pipe Arm	0 = Standard 1 = Triple Top	0 = Standard 1 = Top Mount	1 = NPT 2 = BSP 3 = ACME 4 = Spigot R = Reducing ACME Inlet †	1 = NPT 2 = BSP 3 = ACME 4 = Enlarging NPT † 6 = Enlarging ACME Inlet †
A = 1" 8"				
B = 1" 12"				
C = 1" 18"				
D = 1 ¼" 8"				
E = 1 ¼" 12"				
F = 1 ¼" 18"				
G = 1 ½" 8"				
H = 1 ½" 12"				
I = 1 ½" 18"				

*Not all configurations are available. † Enlarging outlet available only on 1" and 1 ¼" diameter models ‡ Reducing inlet available on 1 ¼" diameter models

Service Tools

Rain Bird offers a full line of quality tools for the service and maintenance of Rain Bird golf rotors. Constructed of heavy-duty metal alloys and durable plastic, these tools are lightweight and easy to use.



D02203 – Snap-Ring Pliers 900/950/1100/1150



D02236 – Snap-Ring Pliers 551/700/751



B41730 – Valve Insertion Tool 900/950



B41710 – Valve Insertion Tool 551/700/751



Y05100 – Rotor Tool



D02237 – Installation Socket for Top-Serviceable Rock Screen



236571 – UF Cable Stripper



D02221 – 18" Selector Valve Key



B41720 – Selector Service Tool/Key



D05205 – Universal Hose Adapter



D02215 – 7" Selector Valve Key



Sod Cup Kit

Enhance the playability and appearance of your course with easy-to-install sod cups. Turf growth directly on top of the rotor eliminates the need to trim around heads while keeping it easily accessible for service.



NEW