

# 11000 Series Rotors

Engineered for Sports Fields and Large Turf Applications

**MODEL:**



11000 Series Rotors

The Rain Bird 11000 Series Rotor is specifically designed for use on sports fields and large commercial turf applications. Providing excellent water distribution uniformity over a full 105' (32.0 m) radius, makes this rotor ideal for sports fields and reduces the number of heads required. With a small exposed head and included rubber cover, this rotor is designed for in-field use and therefore can irrigate fields 25% larger than 1" rotors with 40% fewer rotors.

**FEATURES:**

- Five-year trade warranty
- Water-lubricated, gear-driven pop-up rotor
- Top-serviceable rock screen
- Seal-A-Matic (SAM) check valve to help prevent low-head drainage
- Heavy-duty stainless steel retract spring ensures positive pop-down
- Standard rubber black cover
- Available in non-reversing full-circle and 30-345° reversing part-circle. Full and part circle operation in one unit.
- Optional opposing nozzle available
- Top serviceable for all required service

**OPERATING RANGE:**

**Radius**  
70 to 105 feet (21.3 to 32.0 m)

**Pressure**  
60 to 100 psi (4.1 to 6.9 bar)

**Flow**  
20 to 56 gpm (4.6 to 12.7 m<sup>3</sup>/h or 76.5 to 211.6 l/m)

**SPECIFICATIONS:**

- 1.5" ACME threaded inlet
- SAM check valve holds up to 5 feet (1.5 m) of head
- Available with 6x pre-installed nozzle combinations
- Nozzle outlet trajectory is 25°

**DIMENSIONS:**

**Exposed diameter**  
2.7" (6.9 cm)

**Overall diameter**  
5.25" (13.3 cm)

**Overall height**  
12.6" (32.0 cm)

**Pop-up height to mid-nozzle**  
3.6" (9.1 cm)

**MODEL:**

**11004:**  
1.5" ACME female-threaded inlet

**11004-ON:**

1.5" ACME female-threaded inlet with opposing nozzle

**OPTIONS:**

- Sod Cup
- Rubber Cover
  - Green - Synthetic Turf
  - Purple - Non-Potable

**HOW TO SPECIFY:**

**11000 - XX**

	Nozzle	
<i>Model</i>	44	48
11004	44	48
11004-ON = with	52	56
Opposing Nozzle	60	64



**PERFORMANCE DATA**

11000 Series - Nozzle Performance (Imperial)					
Pressure (psi)	Nozzle	Radius (ft)	Flow (gpm)	Precip (in/h)	Precip (in/h)
60	44	70	20.2	0.89	1.03
	48	74	27.6	1.08	1.24
	52	78	32.2	1.19	1.37
	56	82	35.7	1.23	1.42
	60	86	39.2	1.29	1.49
	64	90	43	1.32	1.52
70	44	73	21.3	0.95	1.10
	48	77	29.8	1.05	1.21
	52	81	34.5	1.12	1.29
	56	85	38.7	1.18	1.36
	60	90	42.5	1.26	1.45
	64	94	46.3	1.27	1.46
80	44	75	22.8	0.92	1.06
	48	80	31.7	1.04	1.20
	52	84	36.5	1.11	1.28
	56	89	41.4	1.16	1.34
	60	83	45.3	1.23	1.42
	64	98	50	1.16	1.34
90	44	78	24.3	0.92	1.06
	48	82	33.5	1.05	1.21
	52	87	39.1	1.07	1.24
	56	92	43.5	1.11	1.29
	60	97	47.9	1.16	1.34
	64	101	53.2	1.22	1.41
100	44	80	25.5	0.94	1.08
	48	85	35.6	1.04	1.20
	52	90	40.5	1.09	1.26
	56	95	46	1.06	1.22
	60	100	50.5	1.10	1.27
	64	105	55.9	1.21	1.40

11000 Series - Nozzle Performance (Metric)						
Pressure (Bar)	Nozzle	Radius (m)	Flow (m³/h)	Flow (l/m)	Precip (mm/h)	Precip (mm/h)
4.1	44	21.3	4.6	76.5	22.66	26.16
	48	22.6	6.3	104.5	27.31	31.53
	52	23.8	7.3	121.9	30.15	34.82
	56	25.0	8.1	135.1	31.19	36.02
	60	26.2	8.9	148.4	32.72	37.78
	64	27.4	9.8	162.8	33.43	38.60
4.8	44	22.3	4.8	80.6	24.21	27.95
	48	23.5	6.8	112.8	26.70	30.83
	52	24.7	7.8	130.6	28.42	32.82
	56	25.9	8.8	146.5	29.97	34.61
	60	27.4	9.7	160.9	31.88	36.81
	64	28.7	10.5	175.3	32.21	37.19
5.5	44	22.9	5.2	86.3	23.39	27.01
	48	24.4	7.2	120.0	26.49	30.59
	52	25.6	8.3	138.2	28.24	32.62
	56	27.1	9.4	156.7	29.39	33.94
	60	25.3	10.3	171.5	31.19	36.02
	64	29.9	11.4	189.3	29.51	34.08
6.2	44	23.8	5.5	92.0	23.39	27.01
	48	25.0	7.6	126.8	26.59	30.71
	52	26.5	8.9	148.0	27.25	31.47
	56	28.0	9.9	164.7	28.27	32.64
	60	29.6	10.9	181.3	29.51	34.08
	64	30.8	12.1	201.4	30.99	35.78
6.9	44	24.4	5.8	96.5	23.77	27.45
	48	25.9	8.1	134.8	26.47	30.56
	52	27.4	9.2	153.3	27.69	31.97
	56	29.0	10.4	174.1	26.87	31.03
	60	30.5	11.5	191.2	27.94	32.26
	64	32.0	12.7	211.6	30.81	35.58

**OPTIONS: HOW TO SPECIFY**

**J - H - 0 - 0 - 00 - X - 3**

**Length**  
Pipe Lay Arm  
H = 1 1/2" 12"

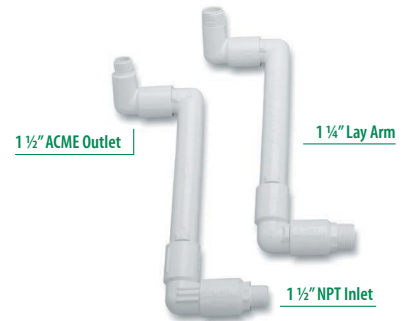
**Config.**  
0 = Standard

**Config.**  
0 = Standard

**Inlet Style**  
1 = NPT  
2 = BSP  
4 = Spigot

**Outlet Style**  
3 = ACME

\*Not all configurations are available



**Rain Bird Corporation**  
6991 East Southpoint Rd.  
Tucson, AZ 85756  
(520) 741-6100

**Rain Bird Corporation**  
970 West Sierra Madre Ave.  
Azusa, CA 91702  
(626) 812-3400

**The Intelligent Use of Water™**  
www.rainbird.com