

EAGLE'S NEST™ 700/750 Rotor Adaptor

The EAGLE'S NEST™ adaptor converts your Rain Bird 47D and 51D impact series rotors to EAGLE™ 700 and 750 Gear-driven Rotors conveniently and economically. The EAGLE'S NEST adaptor allows you to insert an EAGLE 700 and 750 internal assembly into your existing case without removing the case from the ground. Providing you worry-free operation with the only true closed-case rotor available in the golf industry.

- Reduce labor costs with top-serviceable snap-ring technology.
- Reduce equipment costs by using existing impact rotor cases to house EAGLE Gear-driven Rotors.
- Cut conversion time and labor costs with minimal disruption in play.
- Self-flushing case clears debris from rotor before closing.
- Water-lubricated design eliminates the environmental threat created by oil-lubricated rotors.
- The EAGLE'S NEST 700 Rotor provides a full-circle 360° radius of 55' to 80' (16,8 – 24,5 m).
- The part-circle 750 Rotor has a 30° to 345° radius of 56' to 82' (17,1 – 25,0 m).
- Nozzle pop-up height to middle of nozzle: 2.6" (6,6 cm).
- Nozzle trajectory 25°.
- Can handle pressure ranges from 50 to 100 psi (3,5 to 6,9 bars).



EAGLE'S NEST™ 700 & 750 Rotors

EAGLE'S NEST 700 Performance Data

NOZZLES (D=Dual Spreader)													
Base	#28 WHITE-D		#32 BLUE-D		#36 YELLOW-D		#40 ORANGE-D		#44 GREEN-D		#48 BLACK-D		
Pressure (psi)	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	
50	55	16.8	58	19.6	60	22.7	64	25.1	64	27.1	62	30.3	
60	56	18.7	62	21.9	62	24.9	66	27.3	68	29.6	66	33.5	
70	56	19.5	63	22.6	64	26.4	66	28.6	68	31.6	70	36.0	
80	59	20.9	64	24.9	66	28.3	68	30.8	68	33.9	72	38.7	
90	60	23.2	64	27.2	66	31.0	68	33.9	74	36.8	78	41.6	
100	60	24.5	66	28.5	68	32.7	70	35.8	76	38.8	80	44.1	

Data reflects no pressure regulation.

EAGLE'S NEST 700 Performance Data

NOZZLES (D=Dual Spreader)													
Base	#14 WHITE-C		#16 BLUE-C		#18 YELLOW-C		#20 ORANGE-C		#22 GREEN-C		#24 BLACK-C		
Pressure (psi)	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	
50	56	11.0	60	13.6	62	16.7	64	20.6	64	23.9	70	27.3	
60	56	12.0	64	15.0	64	18.6	68	22.6	68	26.1	76	30.4	
70	58	13.0	66	16.3	66	20.2	70	24.6	72	28.6	78	32.8	
80	60	14.0	66	17.4	66	21.0	72	26.4	74	30.7	80	35.3	
90	62	14.8	68	18.5	68	23.0	74	28.1	74	32.6	82	37.5	
100	64	15.7	68	19.5	70	24.2	74	29.6	76	34.5	82	39.6	

Data reflects no pressure regulation.

How to Specify/Order:

EAGLE'S NEST XXX - XX

Model	700 Nozzle	750 Nozzle
700		
750	28	28
	32	32
	36	36
	40	40
	44	44
	48	48



Specifications

Models:

EAGLE'S NEST 700: Full-circle

EAGLE'S NEST 750: Part-circle

Arc:

EAGLE'S NEST 700: Full-circle, 360°

EAGLE'S NEST 750: Adjustable, 30° to 345°

Rotation Time:

EAGLE'S NEST 700:
360° in ≤ 240 seconds

EAGLE'S NEST 750:
180° in ≤ 120 seconds

Operating Pressure:

50 to 100 psi (3,5 to 6,9 bars)

Nozzle Trajectory: 25°

Maximum Stream Height:

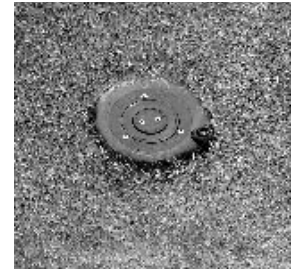
17' (5,2 m)

Pop-Up Height to Nozzle:

Models 700/750: 2.6" (6.6 cm)

All data is generated from tests conducted in accordance with ASAE Standard S398.1 for at least 30 minutes in zero-wind conditions.

EAGLE'S NEST 700 and 750 Rotor adaptors make replacement of impact sprinklers as simple as 1, 2, 3!



EAGLE'S NEST™ 700 & 750 Rotors — Metric

EAGLE'S NEST 700 Performance Data

NOZZLES (D=Dual Spreader)

Base	#28 WHITE-D			#32 BLUE-D			#36 YELLOW-D			#40 ORANGE-D			#44 GREEN-D			#48 BLACK-D		
Pressure (psi)	Radius (m)	Flow (l/s)	Flow (m³/h)	Radius (m)	Flow (l/s)	Flow (m³/h)	Radius (m)	Flow (l/s)	Flow (m³/h)	Radius (m)	Flow (l/s)	Flow (m³/h)	Radius (m)	Flow (l/s)	Flow (m³/h)	Radius (m)	Flow (l/s)	Flow (m³/h)
3,5	16,8	1,07	3,85	17,7	1,25	4,49	18,3	1,44	5,19	19,6	1,59	5,74	19,6	1,72	6,20	19,0	1,93	6,94
4,0	17,0	1,18	4,16	18,9	1,35	4,87	18,8	1,54	5,56	20,0	1,69	6,10	20,5	1,84	6,61	19,9	2,07	7,46
4,5	17,1	1,21	4,34	18,9	1,40	5,06	19,2	1,62	5,83	20,1	1,77	6,36	20,7	1,93	6,96	20,8	2,20	7,91
5,0	17,3	1,25	4,51	19,2	1,46	5,26	19,7	1,70	6,10	20,3	1,84	6,62	20,7	2,03	7,31	21,5	2,31	8,33
5,5	18,0	1,32	4,74	19,5	1,57	5,64	20,1	1,78	6,42	20,7	1,94	6,98	20,7	2,14	7,69	21,9	2,44	8,78
6,0	18,2	1,42	5,11	19,5	1,67	6,02	20,1	1,91	6,86	20,7	2,08	7,49	22,0	2,27	8,16	23,2	2,57	9,25
6,5	18,3	1,50	5,40	19,8	1,75	6,30	20,4	2,00	7,21	21,0	2,19	7,68	22,8	2,38	8,55	24,0	2,69	9,69
7,0	18,3	1,56	5,61	20,1	1,81	6,52	20,8	2,08	7,49	21,4	2,28	8,20	23,3	2,47	8,88	24,5	2,81	10,10

Data reflects no pressure regulation.

EAGLE'S NEST 700 Performance Data

NOZZLES (D=Dual Spreader)

Base	#14 WHITE-C			#16 BLUE-C			#18 YELLOW-C			#20 ORANGE-C			#22 GREEN-C			#24 BLACK-C		
Pressure (psi)	Radius (m)	Flow (l/s)	Flow (m³/h)	Radius (m)	Flow (l/s)	Flow (m³/h)	Radius (m)	Flow (l/s)	Flow (m³/h)	Radius (m)	Flow (l/s)	Flow (m³/h)	Radius (m)	Flow (l/s)	Flow (m³/h)	Radius (m)	Flow (l/s)	Flow (m³/h)
3,5	17,1	0,70	2,52	18,4	0,87	3,12	19,0	1,07	3,84	19,6	1,31	4,72	19,6	1,52	5,48	21,5	1,74	6,27
4,0	17,1	0,74	2,68	19,3	0,93	3,34	19,4	1,15	4,14	20,5	1,40	5,04	20,5	1,62	5,83	22,8	1,88	6,76
4,5	17,4	0,79	2,84	19,8	0,99	3,55	19,8	1,22	4,41	21,0	1,49	5,36	21,3	1,73	6,21	23,5	1,99	7,18
5,0	17,8	0,83	3,00	20,1	1,05	3,76	20,1	1,29	4,63	21,5	1,58	5,69	22,1	1,84	6,61	23,9	2,11	7,59
5,5	18,3	0,88	3,18	20,1	1,10	3,95	20,1	1,32	4,77	21,9	1,66	6,00	22,6	1,94	6,97	24,4	2,23	8,02
6,0	18,7	0,92	3,31	20,5	1,15	4,13	20,5	1,41	5,09	22,4	1,74	6,27	22,6	2,02	7,27	24,8	2,32	8,37
6,5	18,9	0,96	3,44	20,7	1,19	4,29	21,0	1,48	5,33	22,6	1,81	6,52	22,8	2,10	7,58	25,0	2,42	8,71
7,0	19,5	1,00	3,59	20,7	1,24	4,45	21,4	1,53	5,52	22,6	1,88	6,76	23,2	2,19	7,88	25,0	2,51	9,04

Data reflects no pressure regulation.

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