

R Series Conversion Assemblies



855RB DT55RB DT54RB

R-Series Solenoid Adapters

The New Toro solenoid adapters allow you to easily and economically upgrade your Rain Bird® Eagle 700, 900 and 1100 Series sprinklers with the Toro Spike Guard and DC Latching solenoids.



SPIKEGUARD-RB DCLATCH-RB

Features

- Trajectory adjustment of the main nozzle for radius reduction and obstacle avoidance
 - 24 positions from 7-30 degrees in 1 degree increments – 855RB
 - 2 positions 25 or 15 degrees - DT54RB & DT55RB
- Adjustable part/full circle or full circle only models available
 - Adjustable part circle from 40-330 degrees and true full circle - 855RB & DT55RB
 - Full circle only - DT54RB
- Ratcheting riser allows riser positioning without riser removal
- 4 main nozzle combinations included provides a wide range of radius and flow capabilities
- Largest and most flexible nozzle offering
- Radius reduction screw for radius refinement
- All nozzles threaded in from the front with no disassembly required
- Back nozzle capable (855RB & DT55RB only)
- Two additional front nozzle positions (DT54RB only)
- Riser pull up feature simplifies servicing
- Nozzle base clatching (855RB & DT55RB only) allows nozzle base movement by hand
- Effluent identifier included
- Yardage marker capable
- 3.25" pop up clears the tall grasses

Specifications

- 60-100 psi – operating pressure range
- 150 psi maximum pressure rating

Features

SPIKEGUARD-RB

- 20,000 volt surge protection; 3 times the surge protection of the leading competitor. Save time and money with fewer replacements and less time digging up failed solenoids
- Half the amperage of the leading competitor; Run more heads simultaneously (if control system and available water allow) and provides improved performance in low voltage situations

DCLATCH-RB

- Compatible with Toro's GDC 2-wire control system this solenoid adapter allows a more economical solution when considering a control system upgrade
- Sometimes the cost of a complete system upgrade can be a bit overwhelming. This adapter allows you to manage that cost better by maintaining your existing sprinkler bodies and upgrading just the controls.
- Solenoids are 100% compatible with all Toro sprinklers so when it's time to upgrade the sprinklers your already part way there.

Specifying Information—R Series Conversion Assemblies

Model Number	Description
855RB-5154	R Series Conversion with 855 riser assembly and low flow nozzle set #51 - #54
855RB-5558	R Series Conversion with 855 riser assembly and high flow nozzle set #55 - #58
DT55RB-5154	R Series Conversion with DT55 riser assembly and low flow nozzle set #51 - #54
DT55RB-5558	R Series Conversion with DT55 riser assembly and high flow nozzle set #55 - #58
DT54RB-5154	R Series Conversion with DT54 riser assembly and low flow nozzle set #51 - #54
DT54RB-5558	R Series Conversion with DT54 riser assembly and high flow nozzle set #55 - #58

Specifying Information—R Series Solenoid Adaptors

Model Number	Description
SPIKEGUARD-RB	Toro solenoid adapter with Spike Guard™ solenoid for Rain Bird Eagle 700, 900 or 1100 Series sprinklers
DCLATCH-RB	Toro solenoid adapter with DC Latching solenoid for Rain Bird Eagle 700, 900 or 1100 Series sprinklers

Toro® has designed and manufactured this product to fit within a sprinkler housing made by Rain Bird® Corporation, but Toro's product is not manufactured by or affiliated with Rain Bird. Rain Bird is a registered trademark of Rain Bird Corporation.

855RB-5154 Performance Chart									855RB-5558 Performance Chart							
Front Nozzle Positions	Nozzle Set 51 (Yellow)		Nozzle Set 52 (Blue)		Nozzle Set 53 (Brown)		Nozzle Set 54 (Orange)		Nozzle Set 55 (Green)		Nozzle Set 56 (Gray)		Nozzle Set 57 (Black)		Nozzle Set 58 (Red)	
	102-4587		102-4588		102-4589		102-0728		102-0729		102-0730		102-4261		102-4260	
	Blue	Gray	Red	Gray	Orange	Gray	Orange	Gray	Blue	Gray	Blue	Gray	Orange	Gray	Blue	Gray
	102-2925	102-2910	102-2928	102-2910	102-2926	102-2910	102-2926	102-2910	102-2925	102-2910	102-2925	102-2910	102-2926	102-2910	102-2925	102-2910
Back Nozzle Positions	Red Plug		Red Plug		Red Plug		Red Plug		Red Plug		Red Plug		Red Plug		Red Plug	
	102-4335		102-4335		102-4335		102-4335		102-4335		102-4335		102-4335		102-4335	
PSI	rad/ft	gpm	rad/ft	gpm	rad/ft	gpm	rad/ft	gpm	rad/ft	gpm	rad/ft	gpm	rad/ft	gpm	rad/ft	gpm
60	55	16.1	63	20.3	69	23.4	75	31.3	—	—	—	—	—	—	—	—
70	56	17.4	66	21.8	70	25.3	76	33.8	—	—	—	—	—	—	—	—
80	57	18.5	68	23.3	72	27.0	77	36.0	80	39.1	85	41.0	88	45.4	92	49.7
90	58	19.4	70	24.5	75	28.5	79	38.1	83	41.5	87	43.5	91	48.2	94	52.8
100	59	20.5	72	25.9	76	30.0	80	40.2	86	43.7	90	45.7	94	50.6	96	55.3
Stator	102-1939 Yellow								102-1940 White							
Conver.	855RB-5154								855RB-5558							

DT55RB-5154 Performance Chart									DT55RB-5558 Performance Chart							
Front Nozzle Positions	Nozzle Set 51 (Yellow)		Nozzle Set 52 (Blue)		Nozzle Set 53 (Brown)		Nozzle Set 54 (Orange)		Nozzle Set 55 (Green)		Nozzle Set 56 (Gray)		Nozzle Set 57 (Black)		Nozzle Set 58 (Red)	
	102-6906		102-0726		102-6907		102-0728		102-6955		102-6935		102-6936		102-6909	
	Yellow	Brown	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Green	Green	Green	Green	Green	Green	Green
	102-5670	102-5671	102-5670	102-6884	102-5670	102-6884	102-5670	102-6884	102-5670	102-6885	102-6531	102-6885	102-6531	102-6885	102-6531	102-6885
Back Nozzle Positions	Red Plug		Red Plug		Red Plug		Red Plug		Red Plug		Red Plug		Red Plug		Red Plug	
	102-4335		102-4335		102-4335		102-4335		102-4335		102-4335		102-4335		102-4335	
PSI	rad/ft	gpm	rad/ft	gpm	rad/ft	gpm	rad/ft	gpm	rad/ft	gpm	rad/ft	gpm	rad/ft	gpm	rad/ft	gpm
60	56	15.2	57	20.1	66	24.3	68	28.0	—	—	—	—	—	—	—	—
70	58	16.5	60	21.7	67	26.2	71	30.4	—	—	—	—	—	—	—	—
80	59	17.5	62	23.1	68	27.8	72	31.7	76	39.7	80	43.1	83	48.2	85	53.0
90	60	18.4	64	24.5	71	28.8	74	34.5	78	43.1	81	45.1	86	51.2	87	56.0
100	61	19.3	66	25.3	72	30.3	75	36.5	80	45.5	82	49.0	90	54.5	89	59.0
Stator	102-1939 Yellow								102-1940 White							
Conver.	DT55RB-5154								DT55RB-5558							

DT54RB-5154 Performance Chart									DT54RB-5558 Performance Chart							
Front Nozzle Positions	Nozzle Set 51 (Yellow)		Nozzle Set 52 (Blue)		Nozzle Set 53 (Brown)		Nozzle Set 54 (Orange)		Nozzle Set 55 (Green)		Nozzle Set 56 (Gray)		Nozzle Set 57 (Black)		Nozzle Set 58 (Red)	
	102-0725		102-7001		102-0727		102-7002		102-6908		102-0730		102-4261		102-4260	
	Red Plug	Red Plug	Red Plug	Red Plug	Red Plug	Red Plug	Red Plug	Red Plug	Red Plug	Red Plug	Red Plug	Red Plug	Red Plug	Brown	Red Plug	Brown
	102-4335	102-4335	102-4335	102-4335	102-4335	102-4335	102-4335	102-4335	102-4335	102-4335	102-4335	102-4335	102-4335	102-6883	102-4335	102-6883
Back Nozzle Positions	Yellow		Blue		Yellow		Orange		Yellow		Red		Yellow		Gray	
	102-6937	102-2925	102-6937	102-2926	102-6937	102-2928	102-6937	102-2929	102-6937	102-2929	102-6937	102-2928	102-6937	102-4965	102-6937	102-4965
PSI	rad/ft	gpm	rad/ft	gpm	rad/ft	gpm	rad/ft	gpm	rad/ft	gpm	rad/ft	gpm	rad/ft	gpm	rad/ft	gpm
60	59	14.6	62	17.4	68	24.3	71	28.2	—	—	—	—	—	—	—	—
70	60	15.7	63	18.8	70	26.3	75	30.6	—	—	—	—	—	—	—	—
80	61	16.4	64	20.0	72	27.6	78	32.6	83	39.5	85	42.7	87	45.9	91	50.2
90	62	17.8	66	21.3	74	29.9	80	34.7	85	41.6	88	44.9	90	48.5	93	52.8
100	63	18.1	67	23.6	75	30.4	81	36.7	87	43.7	90	46.8	93	51.2	95	55.4
Stator	102-6929 Blue								102-1940 White							
Conver.	DT54RB-5154								DT54RB-5558							

Not recommended at these pressures. Radius shown in feet.
Toro recommends the use of a 1/4" swing joint at flows over 25-GPM (95-LPM). Sprinkler radius data collected in Toro's zero wind test facility per ASAE standard S398.1.
Actual site conditions must be considered when selecting the appropriate nozzle.
All sprinklers are equipped with the selectable pilot valve that allows settings at 50, 65, 80 and 100 psi.