

TORO

Count on it.

DT34/DT54 Series

GOLF ROTORS

The DT is Toro's dual trajectory sprinkler series. With many innovative features, its selectable trajectory provides a 15 or 25 degree setting with a simple turn of the main nozzle. It also offers a constant velocity full circle drive assembly, selectable pilot valve, a removable rock screen and stainless-steel valve seat.



Water Management Highlight

The dual trajectory main nozzle coupled with the most flexible selection of nozzles available provides exceptional nozzle performance at the 25° standard angle position and great performance in windy applications at the 15° low angle position. And the consistency of the constant velocity full circle drive ensures even water application across the coverage area every time you water.



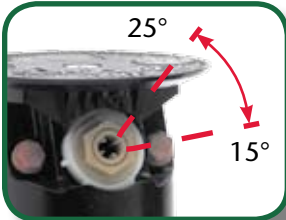
DT34

DT54

Features & Benefits

DUAL TRAJECTORY ADJUSTMENT OF THE MAIN NOZZLE—25° or 15°

The dual trajectory nozzle assembly provides two selections for the main nozzle trajectory; the 25 degree setting provides maximum distance of throw and the 15 degree setting provides improved wind performance, radius reduction and obstacle avoidance.



NOZZLE FLEXIBILITY

The industry's largest selection of precision nozzles from 20' to 90' radius applications. From the main-less configurations for short radius applications to 90' radius requirements we've got you covered. A wide assortment of back nozzles lets you water those hard to reach areas directly behind the part circle sprinklers and all nozzles are color coded for easy flow and radius identification and threaded in from the front for ease of servicing.



CONSTANT VELOCITY FULL CIRCLE DRIVE

The constant velocity drive and stator system ensure consistent rotation speeds when matched with station run times ensure even water application across the coverage area every time you water.



RADIUS REDUCTION SCREW CAPABLE

An optional radius reduction screw allows for fine tuning the radius to exactly the distance you need. In combination with main nozzle sizing and trajectory adjustment the radius reduction screw can effectively reduce the sprinkler throw down to 30'



STAINLESS STEEL VALVE SEAT

Eliminates body damage from rocks and debris typically seen with plastic body seats. This in-destructible stainless steel seat is molded to the body and has virtually eliminated body replacements due to seat damage saving you time and money. Standard on all DT and 800 Series golf sprinklers.

































DT34/54 Series

DT34 Nozzle Apex

Pressure	Nozzle	Apex at 15°	Apex at 25°
65 PSI	31	6' @ 51'	13' @ 54'
	32	6' @ 51'	11' @ 64'
	33	7' @ 59'	13' @ 68'
	34	8' @ 63'	15' @ 74'
	35	9' @ 66'	15' @ 76'
80 PSI	36	8' @ 75'	18' @ 83'
	37	9' @ 74'	19' @ 82'

DT34 Series Performance Chart—25°

Front Nozzle Positions	Nozzle Set 31		Nozzle Set 32		Nozzle Set 33		Nozzle Set 34		Nozzle Set 35		Nozzle Set 36		Nozzle Set 37	
	 (Yellow)		 (Blue)		 (Brown)		 (Orange)		 (Green)		 (Gray)		 (Black)	
	102-0725		102-7001		102-0727		102-7002		102-6908		102-0730		102-4261	
														
	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	Red Plug
	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	102-4335
Back Nozzle Positions	 Yellow		 Blue		 Yellow		 Orange		 Yellow		 Red		 Yellow	
	102-6937		102-2925		102-6937		102-2926		102-6937		102-2928		102-6937	
	PSI	Radius	GPM	Radius	GPM	Radius	GPM	Radius	GPM	Radius	GPM	Radius	GPM	Radius
50	57	13.0	58	15.5	64	21.9	68	24.4	—	—	—	—	—	—
65	58	14.6	60	18.0	68	24.4	72	28.1	76	32.2	—	—	—	—
80	60	16.2	63	20.5	72	26.9	76	31.1	80	35.6	83	38.2	85	41.5
100	62	17.9	66	23.4	75	29.8	79	34.9	84	39.3	88	43.4	91	46.9

DT34 Series Performance Chart—15°

psi	Radius	GPM	Radius	GPM	Radius	GPM	Radius	GPM	Radius	GPM	Radius	GPM	Radius	GPM
50	52	12.9	53	15.6	60	21.7	62	25.5	—	—	—	—	—	—
65	53	14.4	54	17.1	61	24.2	64	28.0	67	32.1	—	—	—	—
80	56	16.0	57	19.0	65	26.6	69	31.0	73	35.5	76	38.0	77	41.3
100	57	17.5	59	20.5	67	29.5	71	33.9	75	38.4	80	43.1	81	46.8
Stator	102-6929 Blue						102-1940 White							
Conversions	DT34-3134						DT34-3537							

Not recommended at these pressures. Radius shown in feet.


































Toro recommends the use of a 1¼" 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.

DT54 Nozzle Apex

Pressure	Nozzle	Apex at 15°	Apex at 25°
65 PSI	51	6' @ 51'	13' @ 54'
	52	6' @ 51'	11' @ 64'
	53	7' @ 59'	13' @ 68'
	54	8' @ 63'	15' @ 74'
	55	9' @ 66'	15' @ 76'
80 PSI	56	8' @ 75'	18' @ 83'
	57	9' @ 74'	19' @ 82'
	58	10' @ 82'	18' @ 87'
	59	11' @ 81'	21' @ 91'

DT54 Series Performance Chart—25°

Front Nozzle Positions	Nozzle Set 51		Nozzle Set 52		Nozzle Set 53		Nozzle Set 54		Nozzle Set 55		Nozzle Set 56		Nozzle Set 57		Nozzle Set 58		Nozzle Set 59		
																			
	(Yellow)		(Blue)		(Brown)		(Orange)		(Green)		(Gray)		(Black)		(Red)		(Beige)		
	102-0725		102-7001		102-0727		102-7002		102-6908		102-0730		102-4261		102-4260		102-4259		
																			
	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	102-4335	102-4335	
Back Nozzle Positions																			
	Yellow		Blue		Yellow		Orange		Yellow		Red		Yellow		Gray		Yellow		
	102-6937		102-2925		102-6937		102-2926		102-6937		102-2928		102-6937		102-2929		102-6937		102-6945
PSI	Radius	GPM	Radius	GPM	Radius	GPM	Radius	GPM	Radius	GPM	Radius	GPM	Radius	GPM	Radius	GPM	Radius	GPM	
50	58	13.2	59	15.7	64	22.0	70	26.2	—	—	—	—	—	—	—	—	—	—	
65	60	14.8	61	17.5	68	24.8	74	29.3	79	34.2	—	—	—	—	—	—	—	—	
80	61	16.4	64	20.0	72	27.6	78	32.6	83	38.0	85	40.7	87	44.9	91	50.2	96	55.6	
100	63	18.1	67	23.6	75	30.4	81	36.7	87	42.5	90	45.8	93	50.2	95	55.4	99	61.8	

DT54 Series Performance Chart—15°

psi	Radius	GPM	Radius	GPM	Radius	GPM	Radius	GPM	Radius	GPM	Radius	GPM	Radius	GPM	Radius	GPM	Radius	GPM
50	52	13.2	53	15.8	61	22.0	65	26.0	—	—	—	—	—	—	—	—	—	—
65	53	14.8	54	17.4	63	24.8	67	29.2	69	34.1	—	—	—	—	—	—	—	—
80	56	16.4	58	19.4	68	27.6	72	32.5	75	37.8	79	40.4	81	44.6	85	49.9	87	55.3
100	58	18.1	60	21.1	71	30.4	75	36.4	79	42.3	84	45.5	87	49.9	89	55.1	94	61.5
Stator	102-6929 Blue								102-1940 White								102-1941 White	
Conversions	DT54-5154								DT54-5558								DT54-59	

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.



DT34/54 Series

Operating Specifications

- Inlet:
 - DT34: 1" NPT, BSP or ACME
 - DT54: 1 1/2" NPT, BSP or ACME
- Radius:
 - DT34: 52' – 91'
 - DT54: 52' – 99'
- Flow Rate:
 - DT34: 13.0 – 46.9 GPM
 - DT54: 13.2 - 61.8 GPM
- Precipitation Rates:
 - DT34: Minimum - .33"/hr; Maximum - .55"/hr
 - DT54: Minimum - .33"/hr; Maximum - .61"/hr
- Pilot Valve: Selectable at 50, 65, 80 and 100 psi
- Recommended Operating Pressure Range: 65-100 psi (maximum-150 psi and minimum-40 psi)
- Electric Valve-in-Head Solenoid: 24V ac, 50/60 Hz
 - Inrush: 60 Hz, 0.3 Amps
 - Holding: 60 Hz, 0.2 Amps
- Trajectory: 25° or 15°
- Check-O-Matic maintains up to 37' elevation

Dimensions

- Body diameter:
 - DT34: 6 1/2"
 - DT54: 7 1/2"
- Body height:
 - DT34: 10"
 - DT54: 11 3/8"
- Weight:
 - DT34: 2.98 lbs.
 - DT54: 3.70 lbs.
- Pop-up height to nozzle: 3 1/4"

Warranty

- Three years
- Five years when installed with Toro Swing Joints

Additional Features

- DT34 has seven nozzle variations (31, 32, 33, 34, 35, 36 and 37)
- DT54 has nine nozzle variations (51, 52, 53, 54, 55, 56, 57, 58 and 59)
- Three opposing nozzles, rotating stream pattern
- Two additional front nozzle positions provide maximum flexibility
- Stator variations: DT34-2 and DT54-3
- Optional radius reduction screw 363-4839 for fine tuning the radius

DT34 Conversion Assemblies

Models	Description
• DT34-3134	DT34 w/31-34 Nozzles (#3 Nozzle Installed)
• DT34-3537	DT34 w/35-37 Nozzles (#5 Nozzle Installed)
• DT34-3134E	DT34 w/31-34 Nozzles (#3 Nozzle Installed), Effluent
• DT34-3537E	DT34 w/35-37 Nozzles (#5 Nozzle Installed), Effluent



DT54 Conversion Assemblies

Models	Description
• DT54-5154	DT54 w/51-54 Nozzles (#3 Nozzle Installed)
• DT54-5558	DT54 w/55-58 Nozzles (#5 Nozzle Installed)
• DT54-59	DT54 w/9 Nozzle
• DT54-5154E	DT54 w/51-54 Nozzles (#3 Nozzle Installed), Effluent
• DT54-5558E	DT54 w/55-58 Nozzles (#5 Nozzle Installed), Effluent
• DT54-59E	DT55 w/9 Nozzle, Effluent
• 102-5011	690 Adapter allows you to upgrade to any 690 with DT54 conversions



Toro® Swing Joints



Specifying Information—DT34 & DT54

DTX4-XXXXX						
Body Inlet	Arc	Body Threads	Valve Type	Nozzle	Pressure Regulation*	Optional
DTX4	4	X	X	XX	X	XX
3—1" 5—1 1/2"	4—Full Circle	0—NPT 4—ACME 5—BSP	1—Normally Open Hydraulic 2—Check- O-Matic 6—Electric	DT34 31 32 33 34 35 36 37 DT54 51 52 53 54 55 56 57 58 59	6—65 psi (4,5 Bar) 8—80 psi (5,5 Bar)	E—Effluent Model DL—Decoder Model N—Nickel- plated Model

Example: When specifying a DT34 Series Sprinkler with NPT threads, #34 nozzle, an electric valve and pressure regulation at 65 psi (4,5 Bar), you would specify: **DT34-06-346**

* Electric models only. All sprinklers are equipped with the selectable pilot valve that allows settings at 50, 65, 80 and 100 psi. Note: Not all models available.