

TORO

Count on it.

DT Series Sprinklers



SPRINKLERS

The Most Advanced, Most Durable and Most Flexible Golf Sprinkler built for Today's Golf Courses

The Toro DT Series Sprinkler brings together over 40 years of Golf Irrigation knowledge with the most recent advances in technology and water management. From top to bottom, the DT Series Sprinkler is the best choice among standard golf sprinklers.

Dual Trajectory Adjustment

The main nozzle easily adjusts from 25° to 15° with no special parts required to help you fight wind or throw below low-hanging obstructions.

Durable Design

The closed case design, indestructible stainless steel valve and removable rock screen eliminate damage from rock & debris in the water system and simplify system flushing and maintenance.

Flexibility

With 47 different nozzle combinations, a selectable pilot valve and Part-Circle/Full-Circle in one, the DT Series gives you the flexibility to meet any watering challenge on the course.

Lower Maintenance Costs

Fewer and more economical service parts mean the DT Series will provide years of hassle-free performance and lowest long-term cost of ownership.

Built for Performance

The slow closing piston valve eliminates water hammer, while the water-lubricated planetary gear drive provides consistent rotation for complete coverage around the sprinkler.



DT35 Series
Full and Part Circle
1" (25mm)



DT55 Series
Full and Part Circle
1½" (40mm)



DT34 Series
Full Circle
1" (25mm)



DT54 Series
Full Circle
1½" (40mm)

DT Series Performance Data

METRIC DATA

DT 34 Performance Data (16.8m–27.8m)																	
	DT34			31		32		33		34		35		36		37	
	Front Nozzle Positions			Yellow		Blue		Brown		Orange		Green		Gray		Black	
				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
25°	Back Nozzle Positions			☑ Yellow	○ Blue	☑ Yellow	○ Orange	☑ Yellow	○ Red	☑ Yellow	○ Beige	☑ Yellow	○ Beige	☑ Yellow	○ Red	☑ Yellow	○ Gray
	Bar	kPa	kg/cm2	rad/M	lpm	rad/M	lpm	rad/M	lpm	rad/M	lpm	rad/M	lpm	rad/M	lpm	rad/M	lpm
	3,4	340	3,47	17,4	49,2	17,7	58,7	19,5	82,9	20,7	92,4	-	-	-	-	-	-
	4,5	450	4,59	17,7	55,3	18,3	68,1	20,7	92,4	22,0	106,4	23,2	121,9	-	-	-	-
	5,5	550	5,61	18,3	61,3	19,2	77,6	22,0	101,8	23,2	117,7	24,4	134,7	25,3	144,6	25,9	157,1
	6,9	690	7,04	18,9	67,8	20,1	88,6	22,9	112,8	24,1	132,1	25,6	148,8	26,8	164,3	27,8	177,5
15°	3,4	340	3,47	15,9	48,8	16,2	59,0	18,3	82,1	18,9	96,5	-	-	-	-	-	-
	4,5	450	4,59	16,2	54,5	16,5	64,7	18,6	91,6	19,5	106,0	20,4	121,5	-	-	-	-
	5,5	550	5,61	17,1	60,6	17,4	71,9	19,8	100,7	21,0	117,3	22,3	134,4	23,2	143,8	23,5	156,3
	6,9	690	7,04	17,4	66,2	18,0	77,6	20,4	111,7	21,7	128,3	22,9	145,3	24,4	163,1	24,7	177,1
Stator				Blue								White					
Conversions				DT34-3134								DT34-3537					

DT 35 Performance Data (13.1m–26.2m)																			
	DT35			30		31		32		33		34		35		36		37	
	Front Nozzle Positions			White Plug		Yellow		Blue		Brown		Orange		Green		Gray		Black	
				☑ Yellow	○ Beige	☑ Yellow	○ Brown	☑ Yellow	○ Yellow	☑ Yellow	○ Yellow	☑ Yellow	○ Yellow	☑ Yellow	○ Green	☑ Green	○ Green	☑ Green	○ Green
25°	Back Nozzle Positions			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	Red plug	
	Bar	kPa	kg/cm2	rad/M	lpm	rad/M	lpm	rad/M	lpm	rad/M	lpm	rad/M	lpm	rad/M	lpm	rad/M	lpm	rad/M	lpm
	3,4	340	3,47	13,1	31,0	16,2	52,2	17,1	69,3	18,6	82,1	-	-	-	-	-	-	-	-
	4,5	450	4,59	13,7	37,9	16,8	58,7	18,0	77,6	19,5	92,4	20,7	106,5	22,0	129,1	-	-	-	-
	5,5	550	5,61	14,0	43,5	17,4	65,5	18,9	85,9	20,4	102,6	21,7	117,7	22,9	143,1	23,8	152,5	24,4	166,5
	6,9	690	7,04	14,3	50,7	18,0	72,3	19,8	94,2	21,4	112,8	22,6	129,1	24,1	154,8	24,7	184,7	25,3	179,0
15°	3,4	340	3,47	13,1	31,0	15,9	51,5	17,7	68,5	18,6	81,4	-	-	-	-	-	-	-	
	4,5	450	4,59	13,7	37,9	16,5	57,9	18,3	76,8	19,5	91,6	19,8	103,3	21,0	125,3	-	-	-	-
	5,5	550	5,61	14,0	43,5	17,7	65,1	19,5	85,5	21,0	101,4	21,0	114,3	22,9	139,3	23,2	150,3	23,2	162,4
	6,9	690	7,04	14,3	50,7	18,3	71,9	20,1	93,5	21,7	111,7	22,0	124,5	23,8	149,5	25,0	166,2	25,0	180,9
Stator				Green				Yellow				White							
Conversions				DT35-3134				DT35-3537											

DT 54 Performance Data (16.8m–30.2m)																					
	DT54			51		52		53		54		55		56		57		58		59	
	Front Nozzle Positions			Yellow 102-0725		Blue 102-7001		Brown 102-0727		Orange 102-7002		Green 102-6908		Gray 102-0730		Black 102-4261		Red 102-4260		Beige 102-4259	
				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	Red plug	Brown
25°	Back Nozzle Positions			☑ Yellow	○ Blue	☑ Yellow	○ Orange	☑ Yellow	○ Red	☑ Yellow	○ Beige	☑ Yellow	○ Beige	☑ Yellow	○ Red	☑ Yellow	○ Gray	☑ Yellow	○ Gray	☑ Yellow	○ Gray
	Bar	kPa	kg/cm2	rad/M	lpm	rad/M	lpm	rad/M	lpm	rad/M	lpm	rad/M	lpm	rad/M	lpm	rad/M	lpm	rad/M	lpm	rad/M	lpm
	3,4	340	3,47	17,7	50,0	18,0	59,4	19,5	83,3	21,4	99,2	-	-	-	-	-	-	-	-	-	-
	4,5	450	4,59	18,3	56,0	18,6	66,2	20,7	93,9	22,6	110,9	24,1	129,4	-	-	-	-	-	-	-	-
	5,5	550	5,61	18,6	62,1	19,5	75,7	22,0	104,5	23,8	123,4	25,3	143,8	25,9	154,0	26,5	169,9	27,8	190,0	29,3	210,4
	6,9	690	7,04	19,2	68,5	20,4	89,3	22,9	115,1	24,7	138,9	26,5	160,9	27,5	173,4	28,4	190,0	29,0	209,7	30,2	233,9
15°	3,4	340	3,47	15,9	50,0	16,2	59,8	18,6	83,3	19,8	98,4	-	-	-	-	-	-	-	-	-	-
	4,5	450	4,59	16,2	56,0	16,5	65,9	19,2	93,9	20,4	110,5	21,0	129,1	-	-	-	-	-	-	-	-
	5,5	550	5,61	17,1	62,1	17,7	73,4	20,7	104,5	22,0	123,0	22,9	143,1	24,1	152,9	24,7	168,8	25,9	188,9	26,5	209,3
	6,9	690	7,04	17,7	68,5	18,3	79,9	21,7	115,1	22,9	137,8	24,1	160,1	25,6	172,2	26,5	188,9	27,1	208,6	28,7	232,8
Stator				Blue								White						White			
Conversions				DT54-5154								DT54-5558						DT54-59			

DT 55 Performance Data (17.1m–28.7m)																					
	DT55			51		52		53		54		55		56		57		58		59	
	Front Nozzle Positions			Yellow		Blue		Brown		Orange		Green		Gray		Black		Red		Beige	
				☑ Yellow	○ Beige	☑ Yellow	○ Brown	☑ Yellow	○ Yellow	☑ Yellow	○ Yellow	☑ Yellow	○ Yellow	☑ Yellow	○ Green	☑ Green	○ Green	☑ Green	○ Green	☑ Green	○ Green
25°	Back Nozzle Positions			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	Red plug	Red plug	Red plug	
	Bar	kPa	kg/cm2	rad/M	lpm	rad/M	lpm	rad/M	lpm	rad/M	lpm	rad/M	lpm	rad/M	lpm	rad/M	lpm	rad/M	lpm	rad/M	lpm
	3,4	340	3,47	16,8	53,0	18,0	62,5	18,9	84,0	-	-	-	-	-	-	-	-	-	-	-	-
	4,5	450	4,59	17,1	59,0	18,9	78,3	19,8	94,6	20,1	107,9	22,9	133,7	-	-	-	-	-	-	-	-
	5,5	550	5,61	18,0	65,9	20,1	87,1	21,0	104,8	21,4	119,2	23,8	147,6	23,8	160,5	24,1	177,5	24,1	187,4	25,0	216,5
	6,9	690	7,04	18,3	72,7	20,7	95,0	21,7	114,3	22,0	129,8	24,4	158,6	24,7	178,7	25,3	197,2	25,3	202,1	25,9	230,1
15°	3,4	340	3,47	17,1	53,0	17,4	62,5	18,9	84,0	-	-	-	-	-	-	-	-	-	-	-	-
	4,5	450	4,59	17,4	59,0	18,3	78,3	19,8	94,6	20,4	107,9	21,7	135,1	-	-	-	-	-	-	-	-
	5,5	550	5,61	17,7	65,9	19,2	87,1	20,4	104,8	21,4	119,2	22,6	149,5	23,5	162,0	24,1	181,3	24,7	187,4	25,0	216,5
	6,9	690	7,04	18,0	72,7	20,1	95,0	21,4	114,3	22,3	129,8	23,8	163,5	24,4	184,3	25,3	193,8	25,9	202,1	26,2	230,1
Stator				Yellow								White						White			
Conversions				DT55-5154								DT55-5558						DT55-59			

Metric Data for reference only.
 Not recommended for optimum performance

U.S. DATA

DT 34 Performance Data (55'-91')															
	DT34	31		32		33		34		35		36		37	
	Front Nozzle Positions	Yellow		Blue		Brown		Orange		Green		Gray		Black	
		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
25° 	Back Nozzle Positions														
	PSI	rad/ft	gpm	rad/ft	gpm	rad/ft	gpm	rad/ft	gpm	rad/ft	gpm	rad/ft	gpm	rad/ft	gpm
	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
15° 	100	62	17.9	66	23.4	75	29.8	79	34.9	84	39.3	88	43.4	91	46.9
	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	Blue						White								
Conversions	DT34-3134						DT34-3537								

DT 35 Performance Data (43'-86')																	
	DT35	30		31		32		33		34		35		36		37	
	Front Nozzle Positions	White Plug		Yellow		Blue		Brown		Orange		Green		Gray		Black	
		Yellow	Beige	Yellow	Brown	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Green	Green	Green	Green	Green
25° 	Back Nozzle Positions	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	Red plug	Red plug
	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
	50	43	8.2	53	13.8	56	18.3	61	21.7	65	25.3	-	-	-	-	-	-
	65	45	10.0	55	15.5	59	20.5	64	24.4	68	28.2	72	34.1	-	-	-	-
	80	46	11.5	57	17.3	62	22.7	67	27.1	71	31.1	75	37.8	78	40.3	80	44.0
15° 	100	47	13.4	59	19.1	65	24.9	70	29.8	74	34.1	79	40.9	81	48.8	83	47.3
	50	43	8.2	52	13.6	58	18.1	61	21.5	62	25.6	-	-	-	-	-	
	65	45	10.0	54	15.3	60	20.3	64	24.2	65	27.3	69	33.1	-	-	-	
	80	46	11.5	58	17.2	64	22.6	69	26.8	69	30.2	75	36.8	76	39.7	76	42.9
	100	47	13.4	60	19.0	66	24.7	71	29.5	72	32.9	78	39.5	82	43.9	82	47.8
Stator	Green			Yellow						White							
Conversions	DT35-3134						DT35-3537										

DT 54 Performance Data (55'-99')																			
	DT54	51		52		53		54		55		56		57		58		59	
	Front Nozzle Positions	Yellow		Blue		Brown		Orange		Green		Gray		Black		Red		Beige	
		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	Red plug	Brown
25° 	Back Nozzle Positions																		
	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	rad/ft	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
15° 	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
	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	Blue						White						White						
Conversions	DT54-5154						DT54-5558						DT54-59						

DT 55 Performance Data (56'-94')																			
	DT55	51		52		53		54		55		56		57		58		59	
	Front Nozzle Positions	Yellow		Blue		Brown		Orange		Green		Gray		Black		Red		Beige	
		Yellow	Beige	Yellow	Brown	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Green	Green	Green	Green	Green	Green	Green
25° 	Back Nozzle Positions	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	Red plug	Red plug	Red plug	Red plug
	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	rad/ft	gpm
	50	55	14.1	57	18.5	62	22.3	66	25.8	-	-	-	-	-	-	-	-	-	
	65	57	15.8	60	20.9	65	25.1	69	28.7	73	35.9	-	-	-	-	-	-	-	
	80	59	17.5	61	23.1	68	27.8	72	31.7	76	39.7	80	43.1	83	48.2	85	50.0	89	57.5
15° 	100	61	19.3	63	25.3	71	30.3	75	34.5	80	43.5	83	49.0	88	51.5	90	53.9	92	61.3
	50	55	14.0	59	16.5	62	22.2	63	25.6	-	-	-	-	-	-	-	-	-	
	65	56	15.6	62	20.7	65	25.0	66	28.5	75	35.3	-	-	-	-	-	-	-	
	80	59	17.4	66	23.0	69	27.7	70	31.5	78	39.0	78	42.4	79	46.9	79	49.5	82	57.2
	100	60	19.2	68	25.1	71	30.2	72	34.3	80	41.9	81	47.2	83	52.1	83	53.4	85	60.8
Stator	Yellow						White						White						
Conversions	DT55-5154						DT55-5558						DT55-59						

DT Series Sprinklers

SPECIFICATIONS				
	DT34	DT35	DT54	DT55
Pattern Type	Full-circle	Full & Part-circle	Full-circle	Full & Part-circle
Arc	360°	40°-330°	360°	40°-330°
Inlet Size	1" (25mm)		1½" (40mm)	
Radius	43'-91' (13,1m – 27,8m)		52'-99' (15,9m – 30,2m)	
Flow Rate	8.2-47.8 GPM (31,0 – 180,9 LPM)		13.2-61.8 GPM (50,0 – 233,9 LPM)	
Operating Pressure	65-100 psi (3,4 – 6,9 bar)		50-100 psi (4,5 – 6,9 bar)	
	Pilot valve adjustable at 50, 65, 80 and 100 psi (3,4; 4,5; 5,5; and 6,9 bar)			
Nozzle variations	Seven (31, 32, 33, 34, 35, 36, 37)		Nine (51, 52, 53, 54, 55, 56, 57, 58, 59)	
Precipitation Rates	0.46"/hr - 0.63"/hr (11,7mm/hr - 16mm/hr)		0.5"/hr – 0.72"/hr (12,7mm/hr - 18,3mm/hr)	
Stator Variations	2		3	
Body Height	10" (25cm)		11 3/8" (29cm)	
Body Diameter	6 ½" (16,5cm)		7 ½" (19cm)	
Weight	2.98 lbs (1,35Kg)		3.7 lbs (1,70Kg)	
Adjustable Trajectory	15° and 25°			
Pressure Tolerances	40 psi (2,8 bar) minimum; 150 psi (10,3 bar) maximum			
Activation options	Electric Valve-In-Head Normally Open Valve-In-Head Check-O-Matic - maintains 37' (11,2m) of elevation			
Pop-Up Height	4" (100mm) - 3¼" (83mm) to nozzle			
Thread Types	NPT, BSP and ACME			
Valve Friction Loss	< 5 psi (< 0,34 bar)			
Electric Valve-In-Head Solenoid	24V ac, 50/60 Hz Inrush: 60 Hz, 0.30 Amps Holding: 60 Hz, 0.2 Amps			

Features

- Dual trajectory adjustment of the main nozzle--25° or 15°
- Full Circle and Part Circle in one (DT35/DT55 models)
- Indestructible stainless steel valve seat
- Slow closing piston valve
- Selectable pilot valve (50, 65, 80, and 100 psi)
- Removable rock screen from the top of the sprinkler
- Fewer and more economical service parts
- 47 different nozzle combinations with wide assortment of back nozzles
- All nozzles colour coded for easy identification
- Optional radius reduction screw allows for fine tuning the radius
- Mainless Nozzle option provides close-in watering
- Constant velocity full-circle drive maintains a constant speed of rotation for even water applications (DT34/DT54 models)

Ordering Information—DT Series Sprinklers

DTXX X X XX X X						
Body Inlet	Arc	Body Threads	Valve Type	Nozzle	Pressure Regulation*	Optional Model
3- 1" (25mm)	4- Full-circle	0- NPT	1- Normally Open Hydraulic	DT34/DT35 31 32 33 34 35 36 37	6- 65 psi (4,5 bar)	E- Effluent Model
4- 1½" (40mm)	5- Part-circle Model and Full Circle in one	4- ACME	2- Check-O-Matic	DT54/DT55 51 52 53 54 55 56 57 58 59	8- 80 psi (5,5 bar)	DL- GDC Solenoid
		5- BSP	6- Electric		1- 100 psi (6,9 bar)	N- Nickel-plated solenoid
For Example: When specifying a DT35 Series Sprinkler with BSP threads, #34 nozzle, an electric valve and pressure regulation at 4.5 Bar (65 psi), you would order: <div style="border: 1px solid black; padding: 2px; display: inline-block;">DT35-56-346</div>						

* Electric models only. All sprinklers are equipped with the selectable pilot valve that allows settings at 3.5, 4.5, 5.5 and 6.9 Bar (50, 65, 80 and 100 psi). Note: Check current price list for specific model availability.



Count on it.

Toro Irrigation Products distributed by:

Lely (UK) Ltd
1, Station Road
St. Neots
Cambridgeshire
PE19 1QH

Tel: (01480) 226800

Fax: (01480) 226881

GB Form Number: LUK200-3564

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