

Technical Data

Toro >

> DT Series Rotors



DESCRIPTION:

- Double adjustment of the main nozzle trajectory 25° o 15°
- Adjustable/full circle (DT35/DT5 models)
- The constant speed full-circle drive maintains a constant rotation speed for applications with uniform water (DT34 / DT54 models)
- Indestructible stainless steel valve seat
- Slow closing piston valve
- Adjustable pilot valve (3,4 - 4,5 - 5,5 - 6,9 bar)

Specifications

- Anti-stone screen removable from the top of the sprinkler
- Less spare parts
- 47 different nozzle combinations with a large assortment of rear nozzles
- All nozzles are color coded for easy identification
- The optional radius reduction screw allows fine adjustment of the radius
- The main nozzle option does not provide for close irrigation

Features and Benefits

• Double trajectory adjustment

The main nozzle adjusts easily from 25° to 15° with no special parts needed to help fight the wind or irrigate under low obstacles

• Durable design

Closed case design, indestructible stainless steel valve and removable anti-stone screen eliminate damage from rocks and debris in the water system and simplify system flushing and maintenance

• Flexibility

With 47 different nozzle combinations, an adjustable and

adjustable pilot valve / full circle in one, the DT Series offers the flexibility to tackle any field irrigation challenge

• Lower maintenance costs

Fewer and cheaper replacement parts means the DT Series will provide years of trouble-free performance and the lowest long-term cost of ownership

• Built for performance

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

Code	Description
OID755	DT35 sprinkler
OID766	DT34 sprinkler
OID765	DT55 sprinkler
OID762	DT54 sprinkler

TECHNICAL SPECIFICATIONS

Sprinkler	DT34	DT35	DT54	DT55
Coverage	full circle	adjustable / full circle	full circle	adjustable / full circle
Arc	360°	40°-330°	360°	40°-330°
Connection F	1"		1½"	
Radius m	13,1 ÷ 27,8		15,9 ÷ 30,2	
Flow rate l / m	31,0 ÷ 180,9		50,0 ÷ 233,9	
Operating pressure bar	3,4 ÷ 6,9		4,5 ÷ 6,9	
Operating pressure bar	Adjustable pilot valve (3,4 - 4,5 - 5,5 - 6,9 bar)			
Nozzles	Seven (31, 32, 33, 34, 35, 36, 37)		Nine (51, 52, 53, 54, 55, 56, 57, 58, 59)	
Precipitation mm / h	11,7 - 16		12,7 - 18,3	
Variations of the stator	2		3	
Body height cm	25		29	
Body diameter cm	16,5		19	
Weight kg	1,35		1,7	
Adjustable trajectory	15° e 25°			
Pressure tolerances bar	2,8 min - 10,3 max			
Activation options	normally open overhead valve with a holding force of 11,2 m difference in height			
Pop-Up Height mm	100 - 83 to the nozzle			
Pressure drop of the valve bar	< 0,34			
Solenoid valve - Overhead solenoid	24V AC, 50/60 Hz - at the start: 60 Hz, 0,30 Amp - mantenimiento: 60 Hz, 0,2 Amp			

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PERFORMANCE TABLE DT34 (16.8 M – 27.8 M)

DT34		31		32		33		34		35		36		37	
Position of the front nozzle		Yellow		Blue		Brown		Orange		Green		Grey		Black	
		Red cap	Red cap	Red cap	Red cap	Red cap	Red cap	Red cap	Red cap	Red cap	Red cap	Red cap	Red cap	Red cap	Brown
		Yellow	Blue	Yellow	Aranc.	Yellow	Red	Yellow	Beige	Yellow	Beige	Yellow	Red	Yellow	Grey
Position of rear nozzle		Yellow	Blue	Yellow	Aranc.	Yellow	Red	Yellow	Beige	Yellow	Beige	Yellow	Red	Yellow	Grey
Bar		radius m	l/m	radius m	l/m	radius m	l/m	radius m	l/m	radius m	l/m	radius m	l/m	radius m	l/m
25°		3,4	17,4	49,2	17,7	58,7	19,5	82,9	20,7	92,4	-	-	-	-	-
25°		4,5	17,7	55,3	18,3	68,1	20,7	92,4	22,0	106,4	23,2	121,9	-	-	-
25°		5,5	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
25°		6,9	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
15°		3,4	15,9	48,8	16,2	59,0	18,3	82,1	18,9	96,5	-	-	-	-	-
15°		4,5	16,2	54,5	16,5	64,7	18,6	91,6	19,5	106,0	20,4	121,5	-	-	-
15°		5,5	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
15°		6,9	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
Stator		Blue								White					
Conversions		DT34-3134								DT34-3537					

PERFORMANCE TABLE DT35 (13,1 M – 26,2 M)

DT35		30		31		32		33		34		35		36		37	
Position of the front nozzle																	
		White cap		Yellow		Blue		Brown		Orange		Green		Grey		Black	
																	
25° 25° 25° 25° 	Position of rear nozzle																
	Bar	radius m	l/m	radius m	l/m	radius m	l/m	radius m	l/m	radius m	l/m	radius m	l/m	radius m	l/m	radius m	l/m
	3,4	13,1	31,0	16,2	52,2	17,1	69,3	18,6	82,1	-	-	-	-	-	-	-	-
	4,5	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	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	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° 15° 15° 15° 	3,4	13,1	31,0	15,9	51,5	17,7	68,5	18,6	81,4	-	-	-	-	-	-	-	
	4,5	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	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	
	6,9	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	
	Stator																
Conversions			DT35-3134								DT35-3537						

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PERFORMANCE TABLE DT54 (16,8 M – 30,2 M)

DT54		51		52		53		54		55		56		57		58		59		
Position of the front nozzle																				
		Yellow 102-0725		Blue 102-7001		Brown 102-0727		Aranc. 102-7002		Green 102-6908		Grey 102-0730		Black 102-4261		Red 102-4260		Beige 102-4259		
																				
		Red cap	Red cap	Red cap	Red cap	Red cap	Red cap	Red cap	Red cap	Red cap	Red cap	Red cap	Red cap	Red cap	Brown	Red cap	Brown	Red cap	Brown	
	Posit. of rear nozzle																			
		Yellow	Blue	Yellow	Aranc.	Yellow	Red	Yellow	Beige	Yellow	Beige	Yellow	Red	Yellow	Grey	Yellow	Grey	Yellow	Grey	
		Bar	ragg. m	l/m	ragg. m	l/m	ragg. m	l/m	ragg. m	l/m	ragg. m	l/m	ragg. m	l/m	ragg. m	l/m	ragg. m	l/m	ragg. m	l/m
	25°	3,4	17,7	50,0	18,0	59,4	19,5	83,3	21,4	99,2	-	-	-	-	-	-	-	-	-	-
	25°	4,5	18,3	56,0	18,6	66,2	20,7	93,9	22,6	110,9	24,1	129,4	-	-	-	-	-	-	-	-
25°	5,5	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	
25°	6,9	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	
	3,4	15,9	50,0	16,2	59,8	18,6	83,3	19,8	98,4	-	-	-	-	-	-	-	-	-	-	
	4,5	16,2	56,0	16,5	65,9	19,2	93,9	20,4	110,5	21,0	129,1	-	-	-	-	-	-	-	-	
	5,5	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	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		
Convers.	DT54-5154								DT54-5558								DT54-59			

PERFORMANCE TABLE DT55 (17,1 M – 28,7 M)

PERFORMANCE TABLE DT55-5154 (17,1 m, 20,7 m)																				
DT55		51		52		53		54		55		56		57		58		59		
Position of the front nozzle		 Yellow		 Blue		 Brown		 Orange		 Green		 Grey		 Black		 Red		 Beige		
																				
		Yellow	Beige	Yellow	Brown	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Green	Green	Green	Green	Green	Green	Green
25° 	Posit. of rear nozzle																			
	Bar	ragg. m	l/m	ragg. m	l/m	ragg. m	l/m	ragg. m	l/m	ragg. m	l/m	ragg. m	l/m	ragg. m	l/m	ragg. m	l/m	ragg. m	l/m	
	25°	3,4	16,8	53,0	18,0	62,5	18,9	84,0	-	-	-	-	-	-	-	-	-	-	-	
	25°	4,5	17,1	59,0	18,9	78,3	19,8	94,6	20,1	107,9	22,9	133,7	-	-	-	-	-	-	-	
	25°	5,5	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
25°	6,9	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	17,1	53,0	17,4	62,5	18,9	84,0	-	-	-	-	-	-	-	-	-	-	-		
15°	4,5	17,4	59,0	18,3	78,3	19,8	94,6	20,4	107,9	21,7	135,1	-	-	-	-	-	-	-		
15°	5,5	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	
15°	6,9	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		
Convers.		DT55-5154								DT55-5558								DT55-59		

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