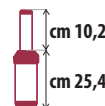


Technical Data

Toro >

> TS90 Series Rotors



DESCRIPTION:

Dimensions

- Diameter of the exposed surface: 57 mm

Technical specifications

- Radius: $16,2 \div 29,0$ m with trajectory of 25°
- Flow rate: $52,9 \div 232,8$ l/min
- Flow range: $14,2 \div 15,2$ mm/h
- Angle: full circle and angle partialization in the same sprinkler
 - Full circle: 360° clockwise unidirectional rotation
 - Angle partialization: $40^\circ \div 330^\circ$
- Rotation speed: 3 minutes $\pm$ 30 seconds
- Connection: female threaded 1"
- Operating pressure range: $2,8 \div 7,0$ bar

Exclusive features

- Complete set of different colored nozzles that can be screwed directly into the front.
- Protective rubber coating for burying under the level of the walking surface
- Standard check valve - holds the pressure originating from a maximum difference in height of 3 m
- Choice of nozzles: 9 main, 3 intermediate, 1 internal

Features and Benefits

- **TruJectory adjustment $7^\circ \div 30^\circ$**
Perfect adjustment of the jet trajectory from the nozzle, helps to improve coverage between sprinklers and compensates in the event of windy conditions
- **Corner and full circle shutter release in the same sprinkler**
There is no need to stock up on different models or parts
- **Rear nozzle capacity**
Ideal for the perimeter of sports fields - it offers the possibility of precise adjustment to meet any irrigation requirement
- **Ring nut**
It allows the adjustment of the turret in the nozzle holder without disassembling it - simply extract the turret and operate the ring nut until the exact position for irrigation is obtained
- **Three nozzle configuration**
Improved uniformity in distribution, nozzle flexibility and system efficiency
- **Constant speed of rotation**
Constant rotation speed - from one sprinkler to another

Available options

- Indicator available to report the use of non-drinking water: n. cat. 118-0063
- Tool for intermediate and trajectory nozzle: 8 mm hexagonal socket or Toro tool 995-105
- Main nozzle tool: 16 mm hex socket or Toro tool 995-99

Code	Description	
OID045	TS90 sprinkler with 9 nozzles set 1" female coupling	
OID046	MiniGRILLO for artificial grass or live system (artificial special turf for natural grassing to be placed to TS90 sprinklers, all positioned inside the field)	
OAC011	Stabilizer to be used with TS90 sprinklers placed outside the natural grass field	

Technical Data

Toro >

PERFORMANCE TABLE - NOZZLES TS90

Nozzle type		Pressure Sprinkler	3,4 bar		4,1 bar		4,8 bar		5,5 bar		6,2 bar		6,9 bar	
Number	Main / Intermediate		Radius m	Flow rate l/min	Radius m	Flow rate l/min	Radius m	Flow rate l/min	Radius m	Flow rate l/min	Radius m	Flow rate l/min	Radius m	Flow rate l/min
1	Yellow/Blue	102-1939 - Yellow	16,2	53	16,5	58	16,8	62	16,8	66	16,5	70	17,1	74
2	Blue/Red	102-1939 - Yellow	16,8	71	18,0	78	18,6	84	18,0	89	18,0	95	18,9	100
3	Brown/Orange	102-1939 - Yellow	-	-	17,4	86	18,3	93	18,6	99	19,2	105	20,7	110
4	Orange/Orange	102-1939 - Yellow	-	-	-	-	22,6	124	24,4	133	24,7	140	25,0	147
5	Green/Blue	102-1940 White	-	-	-	-	-	-	24,1	143	25,0	151	25,6	158
6	Grey/Blue	102-1940 White	-	-	-	-	-	-	25,0	150	26,2	159	26,5	167
7	Black/Orange	102-1940 White	-	-	-	-	-	-	24,4	165	26,5	175	25,6	184
8	Red/Blue	102-1940 White	-	-	-	-	-	-	26,2	184	26,8	195	26,8	205
9	Beige/Blue	102-1941 White	-	-	-	-	-	-	25,9	208	27,7	221	29,0	233

Landscape