

- Inlet Size: 25 mm (1") BSP
- Radius: 14.6-20.2 m
- Operating Pressure Range: 300-600 kPa (40-90 psi)

Considered the most durable, heavy-duty commercial sprinkler available, the Toro® 640 Series is the proven veteran for athletic fields, parks, campuses and commercial sites.



Features & Benefits

35 Years of Reliability

Once the 640 Series sprinkler goes in the ground, it stays there. With a stainless steel-encased nozzle assembly and gear drive design.

Normally Open Valve-In-Head Body

Allows individual head control - the only commercial grade Toro rotor available with this feature.

Stainless Steel, Engineering Plastic and Brass Construction

Provide dependable performance in the most demanding environments.

Standard Check Valve

Prevents low-head drainage and keeps laterals charged with water.



The 640 installs below grade for increased player safety.



Specifications

Dimensions

- Body diameter: 63 mm (2½")
- Cap diameter: 81 mm (3¼")
- Body height: - Check-O-Matic - 230 mm (9")
- Valve-In-head: 267 mm (10½")
- Exposed surface diameter when buried 13 mm (½") below grade: 45 mm (1¾")

Operating Specifications

- Radius: 14.6-20.2 m
- Flow Rate: 23.6-92.8 Lpm
- Operating Pressure Range: 300-600 kPa
- Trajectory: 27°
- Pop-up to nozzle: 60 mm (2³/₈")
- Inlet: 25 mm (1") female-threaded
- Below-grade installation: up to 13 mm (½")
- Check-O-Matic maintains up to 4.6 m elevation change
- Selection of five nozzles and 12 arcs
- Adjustment screw allows up to 25% radius reduction

Additional Features

- Standard rubber cover
- Vandal-resistant cap with locking set screw
- Small exposed surface diameter
- Gear-drive design
- Basket filter screen
- Stainless steel retraction spring

640 Series Sprinklers Performance Data

27° Nozzle	Maximum Height of Spray
Nozzle Apex @ 350 kPa	
40	3.5 m
41	4.2 m
42	4.1 m
Nozzle Apex @ 400 kPa	
43	5.7 m
Nozzle Apex @ 500 kPa	
44	6.0 m

Accessories/Tools Available

- 995-100 - Valve-In-Head Snap Ring Pliers
- 995-08 - Valve Removal Tool
- 995-35 - Valve Insertion Tool
- 35-0579 - #41 Fast Rotation Stator
- 35-1011 - #42/43 Fast Rotation Stator
- Effluent option available

Warranty

- Five years

Ordering Information – 640 Series Components

To order a 640 Drive Assembly, append the model number with one of the following arcs:	To order a 640 Nozzle and Stator, append the model number with one of these nozzle sets:	To order a 640 Nozzle and Stator with effluent marker, append the model number with one of these nozzle sets:
45° 127° 192°	40 41 42	40E 41E 42E
60° 148° 238°	43 44	43E 44E 42E
90° 173° 270°		
108° 180° 360°		
For Example: 640-0108	For Example: 640-41	For Example 640-41E

Specifying Information—640 Series

64X-XX-4X-XXX-E

X	X	X	X	XXX		E
Arc	Thread	Valve Type	Nozzle	Special Arc		Optional
0—Special Arc	5—BSP Thread	1—Normally Open Valve-In-Head 2—Check-O-Matic	0	045°	148°	E—Effluent Model
1—90°			1	060°	173°	
2—180°			2	108°	192°	
3—270°			3	127°	238°	
4—360°			4			

Example: A 640 Series Sprinkler with a 90° arc, 40 nozzle and a check valve would be specified as: 641-02-40

Most 640 sprinklers are available in component parts only. Consult Toro Irrigation Price List for a complete list of sprinklers available as finished goods.

