



## INFINITY® SERIES GOLF ROTORS INF35-6/INF55-6 SPRINKLERS

# TRUJECTORY™ — PRECISION WATER PLACEMENT

INFINITY 35-6/55-6 SERIES & FLEX800 35-6/55-6 SERIES FEATURES

With the industry's largest selection of high performance nozzles and TruJectory adjustment, the INFINITY 35-6/55-6 Series with Smart Access & the FLEX800 35-6/55-6 Series allows you to put water precisely where you want it for maximum distribution uniformity. And the part/full circle drive allows you to simply and economically adjust the area of coverage to match your seasonal watering needs or meet water rationing mandates in seconds with no disassembly or additional parts required.

### ■ TruJectory – 24 Positions

From 7° - 30° in 1° increments put water where you want it. Adjust from the top of the sprinkler in seconds, wet or dry. This flexibility lets you tackle every obstacle on the course; wind, trees, bunkers, mounds and more.

### ■ Nozzle Base Chutching - Hot Spot Watering

Nozzle base can be turned in either direction and held to put down as much water as needed, precisely where you want it. Standard on all Toro part circle golf rotors!

### ■ True Part and Full-Circle in One – 40° - 330° Part Circle and 360° Full Circle

These sprinklers can be 360° full circle today and part circle tomorrow allowing you to simply and economically adjust the area of coverage to match your seasonal needs or meet water rationing mandates.



INFINITY® 35-6/55-6 with  
TruJectory™ and  
Part/Full Circle in One.  
Smart Access®



FLEX800™ 35-6/55-6 with  
TruJectory and  
Part/Full Circle in One.



Watch INFINITY Videos:

[youtube.com/ToroCompanyEurope](https://youtube.com/ToroCompanyEurope)

ADDITIONAL INF35-6/INF55-6 FEATURES



**INDUSTRY'S LARGEST NOZZLE SELECTION**

Nozzles from 12,8m - 30,5m (42' to 100') radius plus a wide assortment of back nozzles lets you put the precise amount of water exactly where you need it. All nozzles threaded in from the front.



**STAINLESS STEEL VALVE SEAT**

Eliminates body damage from rocks and debris. This indestructible stainless steel seat is molded to the body and virtually eliminates body replacements due to seat damage. Standard on all Toro Golf rotors!



**20,000 VOLT LIGHTNING RATING**

The Spike Guard™ solenoid has virtually eliminated the need for solenoid replacement in high lightning environments.



**SMART ACCESS**

Provides top accessibility to all critical components and room to grow for whatever the future holds.

ADDITIONAL FLX35-6/FLX55-6 FEATURES



**INDUSTRY'S LARGEST NOZZLE SELECTION**

Nozzles from 12,8m - 30,5m (42' to 100') radius plus a wide assortment of back nozzles lets you put the precise amount of water exactly where you need it. All nozzles threaded in from the front.



**STAINLESS STEEL VALVE SEAT**

Eliminates body damage from rocks and debris. This indestructible stainless steel seat is molded to the body and virtually eliminates body replacements due to seat damage. Standard on all Toro Golf rotors!



**NOZZLE BASE CLUTCHING – HOT SPOT WATERING**

Nozzle base can be turned in either direction and held to put down as much water as needed, precisely where you want it. Standard on all Toro part circle golf rotors!



**RATCHETING RISER**

For fine-tuning arc adjustment after installation.

INF35-6/INF55-6 ACCESSORIES AND UPGRADES



**INFINITY® SERIES DISTANCE MARKERS**

White (118-6234) and Yellow (118-6235) color options provide excellent visibility



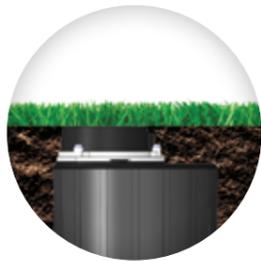
**INF35-6 CONVERSION UPGRADES**

INF35-6-3134  
INF35-6-3537



**INF55-6 CONVERSION UPGRADES**

INF55-6-5154  
INF55-6-5558  
INF55-6-59



**STEALTH™ KIT**

STEALTH-T

Kit attaches to INFINITY Series sprinklers with TruJectory™ style, 24-position main nozzle adjustment capability

FLX35-6/FLX55-6 ACCESSORIES AND UPGRADES



**FLX35-6 CONVERSION UPGRADES**

FLX35-6-3134  
FLX35-6-3537



**FLX55-6 CONVERSION UPGRADES - RIBBED BODY**

FLX55-6-5154  
FLX55-6-5558  
FLX55-6-59



**FLX55-6 CONVERSION UPGRADES - RIBLESS BODY**

FLX55-6-5154R  
FLX55-6-5558R  
FLX55-6-59R



**FLEX800 TURF CUP**

FLX50-RING w/ FLXINF-TURFCAP

**INF35-6 Conversion Upgrades**

Models	Description
INF35-6-3134	INF35-6 w/31-34 Nozzles (33 Nozzle Installed)
INF35-6-3537	INF35-6 w/35-37 Nozzles (35 Nozzle Installed)



**INF55-6 Conversion Upgrades**

Models	Description
INF55-6-5154	INF55-6 w/51-54 Nozzles (53 Nozzle Installed)
INF55-6-5558	INF55-6 w/55-58 Nozzles (55 Nozzle Installed)
INF55-6-59	INF55-6 w/59 Nozzle installed



**STEALTH™ Kit Models**

Eliminates sprinkler interference and enhances course appearance.

**STEALTH-T** – Kit attaches to INFINITY Series sprinklers with TruJectory™ style, 24-position main nozzle adjustment capability  
**STEALTH-D** – Kit attaches to INFINITY Series sprinklers with dual trajectory main nozzle adjustment capability

**INFINITY Cap Kit Models**

Eliminates sprinkler interference and enhances course appearance  
**FLXINF-TURFCAP** – INFINITY Turf Cup (for the riser cover)  
**INF21-RING** – INFINITY Turf Ring (for the body cover)

**FLEX800 Cap Kit Models**

Eliminates sprinkler interference and enhances course appearance  
**FLXINF-TURFCAP** – INFINITY Turf Cup (for the riser cover)  
**FLX30-RING** – Artificial grass cover ring/body 1.5"  
**FLX50-RING** – Artificial grass cover ring/body 1.5"

**FLX35-6 Conversion Upgrades**

Models	Description
FLX35-6-3134	FLX35-6 w/31-34 Nozzles (#33 Nozzle Installed)
FLX35-6-3537	FLX35-6 w/35-37 Nozzles (#35 Nozzle Installed)



**FLX55-6 Conversion Upgrades—(Ribbed Body)**

Models	Description
FLX55-6-5154	FLX55-6 w/51-54 Nozzles (#53 Nozzle Installed)
FLX55-6-5558	FLX55-6 w/55-58 Nozzles (#55 Nozzle Installed)
FLX55-6-59	FLX55-6 w/59 Nozzle



**FLX55-6 Conversion Upgrades—(Ribless Body)**

Models	Description
FLX55-6-5154R	FLX55-6 w/51-54 Nozzles (#53 Nozzle Installed)
FLX55-6-5558R	FLX55-6 w/55-58 Nozzles (#55 Nozzle Installed)
FLX55-6-59R	FLX55-6 w/59 Nozzle





INF35-6/FLX35-6 Series Performance Chart—25° (Metric)

Nozzle Set (30 to 37)	Nozzle Set 30	Nozzle Set 31	Nozzle Set 32	Nozzle Set 33	Nozzle Set 34	Nozzle Set 35	Nozzle Set 36	Nozzle Set 37								
Part #	102-2208	102-0725	102-0726	102-0727	102-7002	102-0729	102-0730	102-4261								
Stator #	102-6929 Blue	102-1939 White				118-7282 Red, Pink										
Front Nozzle Positions	Blue	Gray	Black	Green	Black	Dark Red	Black	Dark Red								
Part #	102-2925	102-2910	102-6941	118-6697	102-6941	118-6698	102-6941	118-6698								
Back Nozzle Positions	Red	Red	Red	Red	Red	Red	Red	Red								
Part #	102-4335	102-4335	102-4335	102-4335	102-4335	102-4335	102-4335	102-4335								
Part Circle TruJectory™ 35-6																
Pressure			Radius (M)	Flow (lpm)	Radius (M)	Flow (lpm)	Radius (M)	Flow (lpm)	Radius (M)	Flow (lpm)	Radius (M)	Flow (lpm)	Radius (M)	Flow (lpm)	Radius (M)	Flow (lpm)
Bar	kPa	kg/cm <sup>2</sup>														
3.45	345	3.52	12.8	28.8	16.2	52.6	17.7	73.4								
4.48	448	4.57	13.7	31.4	16.8	60.1	18.3	84.3	19.8	92.0	21.3	99.3	22.9	131.0		
5.52	552	5.62	14.0	34.8	18.0	66.6	19.5	92.7	21.0	101.4	22.3	108.3	24.1	146.1	24.4	157.2
6.89	689	7.03	14.6	38.2	18.6	73.8	20.7	103.3	22.3	113.6	23.2	121.1	25.6	163.2	25.9	176.0

INF35-6/FLX35-6 Series Performance Chart—25° (U.S. - Imperial)

Nozzle Set (30 to 37)	Nozzle Set 30	Nozzle Set 31	Nozzle Set 32	Nozzle Set 33	Nozzle Set 34	Nozzle Set 35	Nozzle Set 36	Nozzle Set 37								
Part #	102-2208	102-0725	102-0726	102-0727	102-7002	102-0729	102-0730	102-4261								
Stator #	102-6929 Blue	102-1939 White				118-7282 Red, Pink										
Front Nozzle Positions	Blue	Gray	Black	Green	Black	Dark Red	Black	Dark Red								
Part #	102-2925	102-2910	102-6941	118-6697	102-6941	118-6698	102-6941	118-6698								
Back Nozzle Positions	Red	Red	Red	Red	Red	Red	Red	Red								
Part #	102-4335	102-4335	102-4335	102-4335	102-4335	102-4335	102-4335	102-4335								
Part Circle TruJectory™ 35-6																
Pressure (PSI)			Radius (FT)	Flow (GPM)	Radius (FT)	Flow (GPM)	Radius (FT)	Flow (GPM)	Radius (FT)	Flow (GPM)	Radius (FT)	Flow (GPM)	Radius (FT)	Flow (GPM)	Radius (FT)	Flow (GPM)
50	42	7.6	53	13.9	58	19.4										
65	45	8.3	55	15.9	60	22.3	65	24.3	70	26.2	75	34.6				
80	46	9.2	59	17.6	64	24.5	69	26.8	73	28.6	79	38.6	80	41.5	85	43.8
100	48	10.1	61	19.5	68	27.3	73	30.0	76	32.0	84	43.1	85	46.5	90	49.3

INF55-6/FLX55-6 Series Performance Chart—25° (Metric)

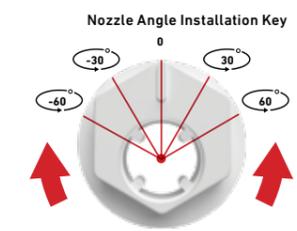
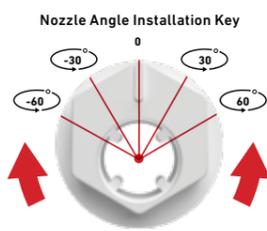
Nozzle Set (51 to 59)	Nozzle Set 51	Nozzle Set 52	Nozzle Set 53	Nozzle Set 54	Nozzle Set 55	Nozzle Set 56	Nozzle Set 57	Nozzle Set 58	Nozzle Set 59							
Part #	102-0725	102-0726	102-0727	102-7002	102-0729	102-0730	102-4261	102-4260	102-4259							
Stator #	102-1939 White				102-1940 Red, Black (Circles)				102-1941 Red, Black (Spokes)							
Front Nozzle Positions	Black	Green	Black	Dark Red	Black	Dark Red	Black	Purple	White							
Part #	102-6941	118-6697	102-6941	118-6698	102-6941	118-6699	102-6940	118-6699	102-6940							
Back Nozzle Positions	Red	Red	Red	Red	Red	Red	Red	Red	Red							
Part #	102-4335	102-4335	102-4335	102-4335	102-4335	102-4335	102-4335	102-4335	102-4335							
Part Circle TruJectory 55-6																
Pressure			Radius (M)	Flow (lpm)	Radius (M)	Flow (lpm)	Radius (M)	Flow (lpm)	Radius (M)	Flow (lpm)	Radius (M)	Flow (lpm)	Radius (M)	Flow (lpm)	Radius (M)	Flow (lpm)
Bar	kPa	kg/cm <sup>2</sup>														
3.45	345	3.52	16.2	54.9	17.7	75.3										
4.48	448	4.57	16.8	62.5	18.3	86.7	19.8	96.0	21.3	101.8	22.9	133.0				
5.52	552	5.62	18.0	68.9	19.8	95	21.3	104.5	22.3	115.1	24.4	148.8	24.4	153.9	25.9	163.5
6.89	689	7.03	18.6	76.8	21.3	106	22.6	116.2	23.2	128.3	25.9	166.2	26.8	174.5	27.4	188.5

INF55-6/FLX55-6 Series Performance Chart—25° (U.S. - Imperial)

Nozzle Set (51 to 59)	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							
Part #	102-0725	102-0726	102-0727	102-7002	102-0729	102-0730	102-4261	102-4260	102-4259							
Stator #	102-1939 White				102-1940 Red, Black (Circles)				102-1941 Red, Black (Spokes)							
Front Nozzle Positions	Black	Green	Black	Dark Red	Black	Dark Red	Black	Purple	White							
Part #	102-6941	118-6697	102-6941	118-6698	102-6941	118-6699	102-6940	118-6699	102-6940							
Back Nozzle Positions	Red	Red	Red	Red	Red	Red	Red	Red	Red							
Part #	102-4335	102-4335	102-4335	102-4335	102-4335	102-4335	102-4335	102-4335	102-4335							
Part Circle TruJectory 55-6																
Pressure (PSI)			Radius (FT)	Flow (GPM)	Radius (FT)	Flow (GPM)	Radius (FT)	Flow (GPM)	Radius (FT)	Flow (GPM)	Radius (FT)	Flow (GPM)	Radius (FT)	Flow (GPM)	Radius (FT)	Flow (GPM)
50	53	14.5	58	19.9												
65	55	16.5	60	22.9	65	25.4	70	26.9	75	35.1						
80	59	18.2	65	25	70	27.6	73	30.4	80	39.3	80	40.7	85	43.2	88	51.0
100	61	20.3	70	28	74	30.7	76	33.9	85	43.9	88	46.1	90	49.8	90	56.3

Not recommended at these pressures. Radius shown in meters.  
 Toro® recommends the use of a 1 1/4" swing joint at flows over 95-lpm (25-GPM). 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 3.4, 4.5, 5.5 and 6.9 bar.

Not recommended at these pressures. Radius shown in feet.  
 Toro® recommends the use of a 1" 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.



INF35-6/FLX35-6 Nozzle Apex—(Metric)

Pressure	Nozzle	Apex at 15°	Apex at 25°
4.5 bar	31	1.8 m @ 15.5 m	4 m @ 16.4 m
	32	1.8 m @ 15.5 m	3.4 m @ 19.5 m
	33	2.1 m @ 18 m	4 m @ 20.7 m
	34	2.4 m @ 19 m	4.6 m @ 22.6 m
	35	2.7 m @ 20 m	4.6 m @ 23 m
5.5 bar	36	2.4 m @ 22.9 m	5.5 m @ 25.3 m
	37	2.7 m @ 22.5 m	5.8 m @ 25 m

INF55-6/FLX55-6 Nozzle Apex—(Metric)

Pressure	Nozzle	Apex at 15°	Apex at 25°
4.5 bar	51	1.8 m @ 15.5 m	4 m @ 16.4 m
	52	1.8 m @ 15.5 m	3.4 m @ 19.5 m
	53	2.1 m @ 18 m	4 m @ 20.7 m
	54	2.4 m @ 19 m	4.6 m @ 22.6 m
	55	2.7 m @ 20 m	4.6 m @ 23 m
5.5 bar	56	2.4 m @ 22.9 m	5.5 m @ 25.3 m
	57	2.7 m @ 22.5 m	5.8 m @ 25 m
	58	3 m @ 25 m	5.5 m @ 26.5 m
	59	3.4 m @ 24.6 m	6.4 m @ 27.7 m

INF35-6/FLX35-6 Nozzle Apex—(U.S. - Imperial)

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'

INF55-6/FLX55-6 Nozzle Apex—(U.S. - Imperial)

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'

SPECIFICATIONS INF35-6 / INF55-6 & FLX35-6 / FLX55-6

**OPERATING SPECIFICATIONS**

- Inlet:**
- **INF/FLX35-6:** 25 mm (1") ACME
  - **INF/FLX55-6:** 40 mm (1.5") ACME
- Radius:**
- **INF/FLX35-6:** 12,8 – 28,0 m (42' – 92')
  - **INF/FLX55-6:** 15,9 – 30,5 m (52' – 100')
- Flow Rate:**
- **INF/FLX35-6:** 26,9-171,5 lpm (7.1 – 45.3 gpm)
  - **INF/FLX55-6:** 52,6-231,3 lpm (13.9 – 61.1 gpm)
- Precipitation Rates:**
- **INF/FLX35-6:**  
Minimum: 9,4mm/hr (0.37"/hr);  
Maximum: 13,5mm/hr (0.53"/hr)
  - **INF/FLX55-6:**  
Minimum: 10,9mm/hr (0.43"/hr);  
Maximum: 15,2mm/hr (0.60"/hr)
- Pilot Valve:**  
Selectable at 3,4; 4,5; 5,5; and 6,9 bar (50, 65, 80 and 100 psi)
- Recommended Operating Pressure Range:**
- 4,5-6,9 bar (65-100 psi)
  - Maximum: 10,3 bar (150 psi)
  - Minimum: 2,8 bar (40 psi)

- Activation Type**
- Standard Solenoid:**
- 24 VAC, 50/60 Hz
  - Inrush: 0.30 A
  - Holding 0.20 A
- Spike Guard Solenoid:**
- 24 VAC, 50/60 Hz
  - Inrush: 0.12 A
  - Holding 0.10 A
- Nickel-Plated Spike Guard Solenoid:**
- 24 VAC, 50/60 Hz
  - Inrush: 0.12 A
  - Holding 0.10 A
  - DC Latching Solenoid (DCLS)
  - Momentary low voltage pulse
- LYNX Smart Module with DCLS**
- Momentary low voltage pulse
- NOZZLE SELECTION**
- **INF/FLX35-6** has eight nozzle variations (30, 31, 32, 33, 34, 35, 36 and 37)
  - **INF/FLX55-6** has nine nozzle variations (51, 52, 53, 54, 55, 56, 57, 58 and 59)
  - **Trajectory:** 24 positions from 7° - 30° in 1° increments
  - Four in-line nozzles, rotating stream pattern
  - One back nozzle position
  - Stator variations
  - **INF35-6/INF55-6:** 3
  - Ratcheting riser
  - Nozzle base clutching

**DIMENSIONS**

- INF:** SMART ACCESS™ Cover and Compartment Diameter/FLX: Body Diameter
- **INF35-6:** 19,4 cm (7.6") / **FLX35-6:** 16,5 cm (6.5")
  - **INF55-6:** 19,4 cm (7.6") / **FLX55-6:** 19 cm (7.5")
  - **Body height:**
    - **INF/FLX35-6:** 25 cm (10")
    - **INF/FLX55-6:** 28,9 cm (11.4")
  - **Weight:**
    - **INF35-6:** 1.95 kg (4.31 lb) / **FLX35-6:** 1.33 kg (2.94 lb)
    - **INF55-6:** 2.33 kg (5.13 lb) / **FLX55-6:** 1.64 kg (3.61 lb)
  - **Weight integrated with LYNX Smart Module:**
    - **INF35-6:** 2.27 kg (5.00 lb)
    - **FLX35-6:** 1.64 kg (3.63 lb)
    - **INF55-6:** 2,63 kg (5.82 lb)
    - **FLX55-6:** 1,95 kg (4.30 lb)
    - Pop-up height to nozzle: 3¼"
- WARRANTY**
- Two years
  - Five years when installed with Toro® Swing Joints

INF35-6 / INF55-6 & FLX35-6 / FLX55-6 SPECIFYING INFORMATION

INF35-6 & INF55-6

INF35-XXX-X6					
Body Inlet	Arc	Nozzle	Pressure Regulation*	Activation Type	Trajectory
<b>INF35</b>	<b>5</b>	<b>XX</b>	<b>X</b>	<b>X</b>	<b>6</b>
3—1" 5—1 1/2"	5—Part-circle and Full-circle in One	INF35—30, 31, 32, 33, 34, 35, 36, 37 INF55—51, 52, 53, 54, 55, 56, 57, 58, 59	6— 4,5 bar (65 psi) 8— 5,5 bar (80 psi) 1— 6,9 bar (100 psi)	1—Standard Solenoid 2—Spike Guard™ Solenoid 3—Nickel-plated Spike Guard Solenoid 4—DC Latching Solenoid (DCLS) 6—Integrated LYNX Smart Module w/DCLS	6—24-position TruJectory
<b>Example:</b> When specifying an INF35-6 Series Sprinkler with #34 nozzle, pressure regulation at 4,5 bar (65 psi) and Spike Guard you would specify: <b>INF35-346-26</b>					

\* All sprinklers are equipped with the selectable pilot valve that allows settings at 3,4; 4,5; 5,5; and 6,9 bar (50, 65, 80 and 100 psi).  
 Note: Not all models available.

FLX35-6 & FLX55-6

FLX35-XXX-X6					
Body Inlet	Arc	Nozzle	Pressure Regulation*	Activation Type	Trajectory
<b>FLX35</b>	<b>X</b>	<b>XX</b>	<b>X</b>	<b>X</b>	<b>6</b>
3— 25mm (1") 5— 40mm (1.5")	5—Part-circle and Full-circle in One	FLX35 - 30, 31, 32, 33, 34, 35, 36, 37 FLX55 - 51, 52, 53, 54, 55, 56, 57, 58, 59	6— 4,5 bar (65 psi) 8— 5,5 bar (80 psi) 1— 6,9 bar (100 psi)	1—Standard Solenoid 2—Spike Guard™ Solenoid 3—Nickel-plated Spike Guard Solenoid 4—DC Latching Solenoid (DCLS) 6—Integrated LYNX Smart Module w/DCLS	6—24-position TruJectory
<b>Example:</b> When specifying an FLX35-6 Series Sprinkler with Spike Guard™ Solenoid, #34 nozzle, an electric valve and pressure regulation at 4,5 bar (65 psi) you would specify: <b>FLX35-346-26</b>					

\* Electric models only. All sprinklers are equipped with the selectable pilot valve that allows settings at 3,4; 4,5; 5,5; and 6,9 bar (50, 65, 80 and 100 psi).  
 Note: Not all models available. Nickel-plated, corrosion-resistant models are available upon request.

