

Orbit 37128

Orbit 37128 1/2" x 6" Flexible Sprinkler Riser Extension User Manual

Model: 37128

[Introduction](#)

[Product Overview](#)

[Setup & Installation](#)

[Operation](#)

[Maintenance](#)

[Troubleshooting](#)

[Specifications](#)

[Warranty & Support](#)

1. INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of the Orbit 37128 1/2" x 6" Flexible Sprinkler Riser Extension. This product is designed to connect sprinkler heads to underground irrigation pipes, offering flexibility for precise positioning in various landscape conditions.

2. PRODUCT OVERVIEW

The Orbit Flexible Sprinkler Riser Extension is engineered for durability and adaptability in irrigation systems. Its multi-flex plastic construction allows for bending without damage, facilitating connection in challenging layouts.

2.1 Key Features

- Connects spray heads, impact sprinklers, or gear-drive rotors to a sprinkler line.
- Semi-flexible material suitable for areas where risers may experience stress.
- Allows for extension of a riser as landscape matures or changes.
- 1/2-inch male and female threaded connections.
- 6-inch length for versatile positioning.

2.2 Product Components



Figure 1: Orbit 1/2" x 6" Flexible Sprinkler Riser Extension. This image displays the brown, flexible plastic riser with threaded ends, designed for connecting sprinkler heads to underground pipes.

The product consists of a single flexible plastic tube with a 1/2-inch male thread on one end and a 1/2-inch female thread on the other, allowing for direct connection to standard sprinkler components.

3. SETUP & INSTALLATION

Proper installation ensures optimal performance and longevity of your sprinkler system. Follow these steps carefully.

3.1 Tools Required

- Pipe wrench or channel locks (optional, for tightening connections)
- Teflon tape or pipe sealant (recommended for watertight seals)

3.2 Installation Steps

1. **Prepare the Connection Points:** Ensure the underground irrigation pipe fitting and the sprinkler head's inlet are clean and free of debris.
2. **Apply Sealant (Optional but Recommended):** Wrap 2-3 layers of Teflon tape clockwise around the male threads of both the irrigation pipe fitting and the sprinkler head. Alternatively, apply a suitable pipe sealant.

3. **Connect to Irrigation Pipe:** Screw the female end of the flexible riser onto the male threaded fitting of the underground irrigation pipe. Hand-tighten first, then use a pipe wrench for an additional 1/4 to 1/2 turn if necessary, being careful not to overtighten.
4. **Position the Riser:** Gently bend and position the flexible riser to achieve the desired height and angle for the sprinkler head. The riser's flexibility allows for precise alignment.
5. **Connect Sprinkler Head:** Screw the sprinkler head onto the male end of the flexible riser. Hand-tighten, then use a pipe wrench for an additional 1/4 to 1/2 turn if necessary. Avoid overtightening, which can damage threads or the riser.
6. **Test the System:** Turn on the water supply to the irrigation system and check for any leaks at the connections. If leaks are present, tighten the connections slightly or reapply sealant.

Note: The flexible nature of the riser is designed to absorb stress and allow for minor adjustments. Avoid sharp bends or excessive force that could compromise the material integrity.

4. OPERATION

The Orbit Flexible Sprinkler Riser Extension functions as a static component within your irrigation system. Once installed, its primary role is to maintain the connection and position of the sprinkler head relative to the underground water supply.

- It allows the sprinkler head to be precisely aligned with the ground level or desired height.
- Its flexibility helps prevent damage to the sprinkler head or pipe in high-traffic areas or from minor ground shifts.
- No user interaction is required for the riser itself during system operation.

5. MAINTENANCE

The Orbit Flexible Sprinkler Riser Extension requires minimal maintenance. Regular inspection is recommended to ensure continued optimal performance.

- **Seasonal Inspection:** Before and after the irrigation season, visually inspect the risers for any signs of cracking, wear, or damage.
- **Leak Detection:** Periodically check connections for leaks during system operation. Address any leaks promptly by tightening connections or reapplying sealant.
- **Cleaning:** If the riser becomes exposed and dirty, gently clean it with water and a soft brush. Avoid harsh chemicals.
- **Winterization:** During winterization of your irrigation system, ensure all water is drained from the pipes, including the risers, to prevent freezing and potential damage.

6. TROUBLESHOOTING

This section addresses common issues that may arise with the sprinkler riser extension.

Problem	Possible Cause	Solution
Water leaking at connections.	Loose connection, insufficient sealant, or damaged threads.	Tighten connections slightly. If leaks persist, disassemble, reapply Teflon tape or pipe sealant, and reassemble. Inspect threads for damage.

Problem	Possible Cause	Solution
Riser appears kinked or damaged.	Excessive bending force during installation or external physical stress.	If severely kinked or damaged, the riser's integrity may be compromised. Replace the riser to prevent leaks or system failure.
Sprinkler head is not at the correct height/angle.	Improper positioning during installation.	Carefully adjust the flexible riser to achieve the desired height and angle. Ensure connections remain secure.

7. SPECIFICATIONS

Technical details for the Orbit 37128 Flexible Sprinkler Riser Extension.

- **Model Number:** 37128
- **Brand:** Orbit
- **Material:** Multi-flex Plastic
- **Thread Size:** 1/2 inch (Male x Female)
- **Length:** 6 inches
- **Color:** Brown
- **Item Dimensions (L x W x H):** 1 x 1 x 6 inches
- **UPC:** 840041580877

8. WARRANTY & SUPPORT

For specific warranty information, please refer to the packaging or the official Orbit website. Orbit products are designed for durability and performance.

For technical support, product inquiries, or assistance with installation, please contact Orbit customer service through their official website or the contact information provided on the product packaging.

Official Website: www.orbitonline.com