

NDS 1216

NDS 1216 Catch Basin Riser Instruction Manual

Model: 1216 | Brand: NDS

1. PRODUCT OVERVIEW

The NDS 1216 Catch Basin Riser is designed to extend the height of a 12-inch square catch basin, allowing for effective surface water collection when the catch basin is installed deeper in the ground. This durable polystyrene component adds up to 6 inches of height, simplifying installation by reducing the need for extensive regrading or complex piping adjustments. It integrates seamlessly with existing 12-inch catch basins and accommodates standard 12-inch catch basin drain grates.

The riser is an integral part of a complete drainage system, facilitating the collection and redirection of stormwater from various areas such as lawns, landscaped sections, under downspouts, patios, and walkways. The material is treated with UV inhibitors to enhance durability and prevent degradation from sun exposure.

2. SAFETY INFORMATION

Please read and understand all instructions before installation. Adhere to local building codes and regulations. Always wear appropriate personal protective equipment (PPE) such as gloves and eye protection when handling tools and materials. Exercise caution when cutting the riser to size. Keep children and pets away from the work area during installation.

3. PACKAGE CONTENTS

- 1 x NDS 1216 Catch Basin Riser (Black, Polystyrene)

4. INSTALLATION INSTRUCTIONS

The NDS 1216 Catch Basin Riser is designed for straightforward installation with 12-inch square catch basins. Follow these steps for proper setup:

4.1. Preparation

- Ensure the existing 12-inch catch basin is clean and free of debris.
- Determine the desired final height for your catch basin system. The riser adds up to 6 inches.

- If less than 6 inches of height is required, the riser can be cut to the desired size using a saw. Measure carefully before cutting.

4.2. Placement

Position the NDS 1216 Catch Basin Riser directly on top of your existing 12-inch square catch basin. The design ensures a secure and stable fit.



Image: The NDS 1216 Catch Basin Riser shown stacked on top of a 12-inch square catch basin, illustrating how it adds height to the system.

4.3. Grate Installation

Once the riser is in place, install a compatible 12-inch catch basin drain grate on top of the riser. The load rating of the complete system will depend on the type of grate selected.



Image: The NDS 1216 Catch Basin Riser with a green 12-inch drain grate securely fitted on its top surface.



Image: A complete NDS catch basin system featuring the 1216 Riser, a grate, and an outlet pipe connection, demonstrating a full installation.

5. OPERATING PRINCIPLES

The NDS 1216 Catch Basin Riser functions as an extension to your stormwater management system. By raising the inlet height of the catch basin, it allows for more efficient collection of surface water from areas that may have settled or where additional ground cover has been added. Water flows into the grate, through the riser, and into the catch basin below, from where it is directed to drain pipes for discharge or infiltration.

6. MAINTENANCE

Regular maintenance ensures the longevity and effectiveness of your drainage system:

- **Inspection:** Periodically check the riser and grate for any signs of damage, cracks, or blockages.
- **Cleaning:** Remove any accumulated leaves, dirt, or debris from the grate and inside the catch basin to prevent clogging. A garden hose or small shovel can be used for cleaning.
- **Surrounding Area:** Keep the area around the catch basin clear of excessive vegetation or soil buildup that could impede water flow.

7. TROUBLESHOOTING

If you encounter issues with your NDS 1216 Catch Basin Riser, consider the following:

- **Poor Drainage:**
 - Check if the grate is clogged with debris. Clean thoroughly.
 - Inspect the catch basin and connecting drain pipes for blockages.
 - Ensure the surrounding ground slopes correctly towards the grate to facilitate water entry.
- **Unstable Riser/Grate:**
 - Verify that the riser is seated correctly on the catch basin.
 - Ensure the grate is properly installed on the riser.
 - Confirm the ground beneath the catch basin is stable and level.

8. SPECIFICATIONS

Feature	Detail
Model Number	1216
Brand	NDS
Material	Polystyrene
Color	Black
Dimensions (L x W x H)	12.38 x 7.13 x 12.38 inches
Height Added	Up to 6 inches (cuttable)
Compatibility	12-inch Square Catch Basins and Grates
Item Weight	8 ounces

9. WARRANTY INFORMATION

The NDS 1216 Catch Basin Riser comes with a **1 Year Manufacturer Warranty**. This warranty covers defects in materials and workmanship under normal use. For warranty claims or further details, please contact NDS customer support.

10. SUPPORT AND RESOURCES

For additional assistance, project planning, or detailed product information, NDS offers various resources:

- **NDS Home Drainage Center:** Access guides and information for drainage solutions.
- **Calculators:** Utilize online tools for project sizing and material estimation.
- **NDS Stormwater Drainage Mobile App:** Available for project planning on the go.
- **Customer Service:** For direct support, please visit the official NDS website or contact their customer service department.