

HYDRRAIN®

INSTALLATION GUIDE

INSTALLATION INSTRUCTIONS FOR THE HYDRRAIN® SYSTEM

STEPS

Installation for a window well

1. Positioning
2. Excavation
3. Installation and backfilling
4. Notes

Installation for a gutter downspout outlet

1. Positioning
2. Installation and backfilling
3. Notes

GENERAL NOTES

1. Inspection and maintenance

INSTALLATION FOR A WINDOW WELL

STEP 1 POSITIONING

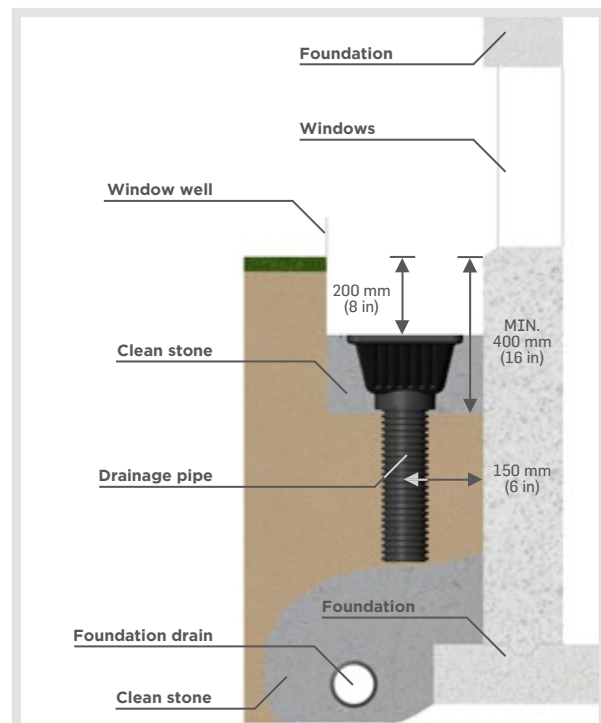
- Center the window well on the window and rest it against the foundation wall.
- Delimit its position by marking its contour on the ground.
- Aligning with the center of the window, position the center of the drain pipe vertically at 150 mm (6 in) from the edge of the foundation wall and mark its position on the ground.

STEP 2 EXCAVATION

- Excavate down to the geotextile covering the clean stone installed around the foundation drain.
- Install the drainage pipe⁽¹⁾.
- Excavate the window well area (delimited in Step 1) to a minimum of 400 mm (16 in) below the bottom of the window. The trench walls must remain vertical.

STEP 3 INSTALLATION AND BACKFILLING

- Place the drainage pipe⁽²⁾ by placing it vertically against the geotextile covering the clean stone and backfill to the bottom of the window well.
- Install the window well, according to the installation recommendations of its supplier, by resting it against the walls of the excavated trench.
- Place the Hydrain on the upper end of the drainage pipe⁽³⁾.
- Fill with clean stone up to 200 mm (8 in) below the bottom of the window (being the top level of the Hydrain) to adequately support the conical base.



Note 1 : Do not connect the drainage pipe to the foundation drain.

Note 2 : HDPE pipes 100 mm (4 in) such as the drain, SoliFlex, Solflo or Solflo Max are recommended.

Note 3 : Ensure that the Hydrain grids reach the finished ground level. If necessary, cut off the excess end of the drainage pipe.

INSTALLATION FOR A GUTTER DOWNSPOUT OUTLET

STEP 1

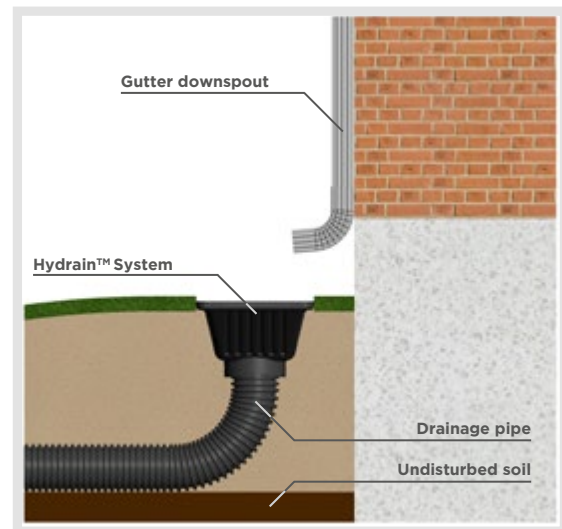
POSITIONING

- When aligning with the center of the gutter downspout outlet, position the center of the drainage pipe horizontally⁽¹⁾ and mark its position on the ground.

STEP 2

INSTALLATION AND BACKFILLING

- Excavate the ground for the drainage pipe, taking care to move the outlet away from the foundation wall⁽²⁾⁽³⁾⁽⁴⁾.
- Proceed with the installation and backfilling of the drainage pipe according to the local regulations for this type of installation.
- Place the Hydrain on the end of the drainage pipe⁽⁵⁾.
- Fill the Hydrain in such a way as to adequately support the conical base.



NOTES

INSPECTION AND MAINTENANCE

To ensure Hydrain's effectiveness, regular inspection and maintenance are required. To ensure the drainage of rainwater into the drainage pipe, no debris should obstruct, partially or completely, the honeycomb grids and debris strainer. If so, remove debris.

Note 1: HDPE pipes 100 mm (4 in) such as the drain, SoliFlex, Solflo or Solflo Max are recommended.

Note 2: Check and comply with local regulations regarding water from gutters and connection to an outlet.

Note 3: Depending on soil type and configuration, several outlets are possible.

Note 4: It is recommended to have a slope to allow gravity flow.

Note 5: Ensure that the Hydrain grids reach the finished ground level. If necessary, cut off the excess end of the drainage pipe.

DATA SHEET

HYDRAIN

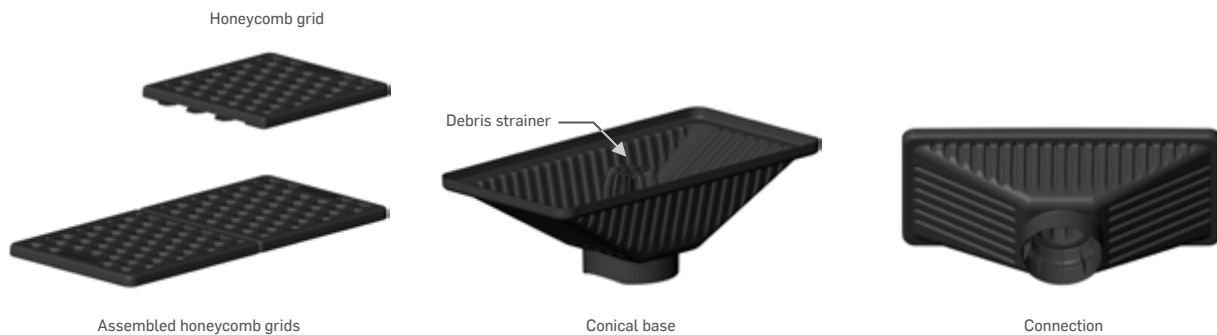
PRODUCT DESCRIPTION : Patented surface drainage system for non-roadway use

FUNCTION : Collecting rainwater runoff from a window well or from a gutter down spout to an outlet, and recovery of coarse debris.

RAW MATERIALS : Made of polypropylene



HYDRAIN



TECHNICAL DATA TABLE

Components	Length		Width		Height (thickness)		Total opening area ⁽¹⁾	
	mm	in	mm	in	mm	in	m ²	ft ²
Conical base	570	23.50	292	11.50	191	7.50	-	-
Honeycomb grid (unit)	292	11.50	280	11.00	19	0.75	0.03	0.32
Honeycomb grids (assembled)	584	11.50	280	11.00	19	0.75	0.06	0.32
Connection	Adapts perfectly to all types of 100 mm (4 in) drainage pipes ⁽²⁾							

Note 1: The area of the inscribed circle in an honeycomb is 750 mm² (1.16 in²).

Note 2: HDPE pipes 100 mm (4 in) such as the drain, SoliFlex, Solflo or Solflo Max are recommended.

APPLICATIONS : Surface collection for a window well
Surface collection for a gutter down spout
For other applications, contact your Soleno representative