

Installation of Drain Guards

One of the most common ways rats can enter properties is through the drainage system. Roshield drain guards are an excellent method to restrict rats from entering properties through unprotected or defective drainage systems. Our drain guards act as physical barrier to help stop active infestations and protect against future rat entry.

Before installation it is important to confirm that the drain guard is the correct size for the pipe as we are unable to accept returns for installed units once fitted into a drain. The majority of pipes will be 4" (110mm), larger properties and shared drainage may have 6" (150mm) pipes and Victorian clay pipes may vary and minor modification to the guard might be required.

Drain guards are simple to install but it is imperative that they are fitted correctly. The installation process for both sizes of drain guards is the same.

Installation

The responsive flap has been designed to allow solid waste to pass freely out of the system whilst being robust enough to prevent rat entry.

Step 1 - Fitting the bolt

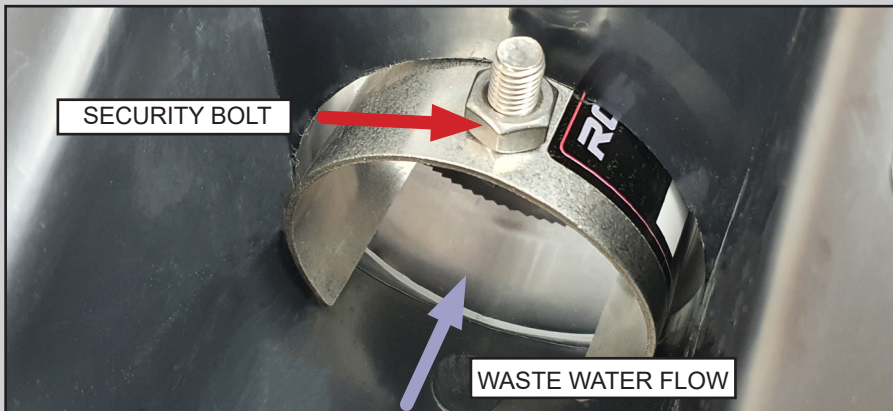
A security bolt is provided, this should be inserted at the top of the guard, this will act as a stopper to prevent loss within the pipe. The bolt can be fitted to either the front or rear depending on the flow of water and position of the guard within the pipe.

Step 2 - Finding a location

We recommend guards are installed in the last inspection chamber (manhole) on the outer perimeter before the outlet pipe enters the central sewer system as this will prevent rats from entering the system and taking advantage of any defects. If in doubt, we recommend flushing coloured liquid to identify the flow exit point.

Step 3 - Fitting the guard

Drain guards should not be installed with excessive force. For tighter fits compressing the curved sides of the guard inwards whilst pushing the guard into place should be satisfactory for most installations. The natural spring of the side curved walls will reset back to its original position. It's essential to test the flap to confirm that the flap is responsive and unobstructed in its movements.



Guards should be installed with the flap pointing downstream to allow solids to pass unobstructed whilst preventing movement in the opposite direction. A flow direction arrow is printed on the side of the guard to help.

Drain guards must be installed with the bolt of the drain guards pointing directly upwards and not at an angle, i.e. perpendicular in the pipe. Installing a guard at an angle can affect the overall effectiveness of the system and thus make it liable to blockage.

Installation tips

- Hold the flap up whilst pushing the guard into position, this may help installation in tight compression areas.
- If the guard does not sit correctly inside the pipe then we recommend finding an alternative location within the system.

Step 4 - Checking the installation

Testing the Drain Guard is an important part of the installation as this will allow you to confirm that the Drain Guard has been installed correctly. We recommend placing toilet paper in a nearby toilet and flushing, this should be repeated with 2 – 3 flushes whilst observing the flow. A correctly installed guard will not obstruct the flow of the wastewater.

Maintenance

The guard is manufactured from robust stainless steel and no removal or handling of the guard should be required once installed correctly. Very little maintenance is needed but it is strongly recommended that

- The Drain Guard is checked intermediately for a few days after installation, this will highlight any blockages before they build up.
- Baby wipes and other solids materials that should not be flushed may cause a blockage. It is important these items are kept out of the drainage system.
- We recommend that the location of installed Drain Guards is recorded. Should the drains need to be cleared in the future their location will be needed by drainage engineers to work safely.

Safety - Read before installation

As a minimum, gloves should be worn when in contact with rodent debris or wastewater. Careful consideration should be undertaken if installation is within deeper chambers and an installation pole should be used.

Care should be taken when working around open manholes as these may present additional hazards such as dangerous gases and risk of falls or trips.

Rats may be present on both sides of the installed device but over time they will exit the system to seek food and will not be able to re-enter. In most installations, this will be within 24 hours of the installation. Rat activity in the property may persist and additional control methods may need to be considered. If activity persists then the drain with the fitted Drain Guard may not be their ingress and additional investigations should be undertaken to find alternative access points.

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Need further support?

We offer a range of documentation, help sheets and videos designed to complement our wide range of control, prevention and cleaning products for pests. We can also offer additional advice when treating difficult to eradicate infestations.

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