

Channel Drain FAQ

Features

Q: What lengths are the RELN Channel Drains available in?

A: The Channels are sold in lengths of 40 inches (1 meter) or 10 feet (3 meter) lengths

Q: Can the RELN Channel Drains with Grates be cut to size?

A: Yes, the RELN Channel Drains with either a Plastic or Metal grates can be cut with an appropriate saw at the desired length

Q: What material is the RELN channel made of?

A: Manufactured from 100% recycled plastic polypropylene

Q: What material is the RELN Portland Grey grate and Black Heel Guard grate made of?

A: Tough, durable Structurally Foamed

Q: Is the RELN Channel Drains ADA compliant?

A: We recommend our Storm Mate Channel with Black Heel Guard grate

Q: Can the RELN Channel Drains support a passenger vehicle?

A: Yes, with the appropriate concrete installation (available @ www.reln.ca) the RELN Storm Drain and Storm Mate Channels can support medium duty pneumatic tire traffic, autos and light trucks at speeds less than 20 mph

Q: Can the RELN Channel Drains support forklift traffic?

A: To support a forklift, we recommend using the Ductile Iron grates (please reach out to sales@ftrproducts.ca). These grates can clip into the Storm Mate or Storm Drain channels

Q: Are the channel grates removeable once the drains are installed in a concrete application?

A: The RELN channels and grates are designed with pry slops which allows the grates to clip in and out, with just a flat head screwdriver

Q: Can grates be interchangeable with the RELN Channel Drains?

A: Yes, the Storm Mate and Storm Drain Channels are the same width and length which allows the grates to be interchangeable

Installation

Q: What is the recommended slope the channels should be installed at to ensure adequate drainage?

A: 1/8 inch of a slope for every 1 foot for adequate fall.

Q: How do you connect two lengths of the RELN channel drains together?

A: Both Storm Mate and Storm Drain channels have interlocking clip-in connections. If additional support is required, joiners' (part 003005) are available for the Storm Drain channel series. This would be an ideal solution for a long run of channel.

Q: What type of drainpipe is compatible with the RELN Storm Drain and Storm Mate Channel Drains?

A: Storm Drain and Storm Mate channels have built-in bottom outlet which accommodates 4 in. sch 20 PVC pipe. The Storm Drain system also has the ability for discharging off the end, part 003408 End Outlet connects to sch. 20 4" PVC pipe. Corrugated pipe (RELN part 000225) and sch. 40 pipe (RELN part 000226) can also be used with the Storm Drain system.

Q: Can you connect 4 in. corrugated drainpipe to the RELN Storm Drain channels?

A: Yes, by using the RELN part 000225 Corrugated Adapter, you can connect corrugated pipe to the Storm Drain End Outlet part 003408 or to the Storm Drain Inline basin part 003431 & 003441.

Q: Can you connect a drainpipe to the end of the RELN Channel Drains?

A: With the Storm Drain channel system you can discharge water off the end by using part 003408 Storm Drain End Outlet. The End Outlet is compatible with 4 in. PVC pipe or with the RELN part 000225 or 000226 you can connect 4 in. corrugated or sch 40 pipe. The Storm Mate channel system is only designed to discharge water from the bottom and not the ends.

Q: Can you connect MOLE-Pipe to Storm Drain channel section?

A: Yes, MOLE-Pipe can be connected to the Storm Drain channel section by using the MOLE-Pipe Female connector (part 1003FA-FTR) and the RELN 4 in. Corrugated Pipe adapter (part 000225). The two fittings snap into each other to create a secure connection and the opposite end of the Corrugated adapter can glue into the Storm Drain End Outlet (part 003408) which is connected to the channel section

Q: How do you secure the End Cap to a cut end of the channel drain?

A: The End Caps for both the Storm Drain and Storm Mate series have pressure tabs to allow them to hold in place. Silicone can be added to seal the connection point. For additional support, a screw can be inserted from the tabs into the channel section. Seal with silicone.

Q: What do you recommend for sealing connections points?

A: Outdoor weather rated silicone can be used to seal any connection points

Q: When connecting PVC pipe to the Storm Drain End Outlet, what adhesive should be used?

A: The Storm Drain End Outlet part 003408 is made of ABS plastic. ABS to PVC transition glue is required when using PVC pipe.

Q: Can the RELN Channel Drains be installed as a sewer drainage system inside a home?

A: The RELN Channel Drains are only approved and designed to manage storm water around the outside of a home

Q: Can the RELN Channel Drains be installed around a perimeter?

A: Yes, the Storm Drain part 003124 & 003125 4 Way Adapter allows for 90-degree corners as well, Tee and intersections

Q: In a non-concrete (lawn) application, what is the recommend installation method to secure the Storm Drain channels?

A: RELN part 003103 Channel Drain Stake Kit, securely holds the channel drain in place in softscape applications

Q: I have an interlock stone driveway, and I would like to have the stone installed at the edge of the channel, is this approved?

A: Encase RELN Channel Drain in concrete, minimum of 4 inches. Ensure concrete is consolidated around the channel to eliminate any air pockets. Secure pavers adjacent to the RELN channel in high strength mortar.

Q: I have a pre-existing concrete slab; can I just cut the width of the channel and sit it in place?

A: If the application is not to support vehicle traffic, we would recommend cutting a slightly larger cavity and encase with fill material to secure the channel drains. For an application to support a passenger vehicle, we recommend that you encase the channel drains in concrete, minimum of 4 inches around each side of the channel drains.

Q: How do you install rebar with the RELN Channel Drains?

A: The RELN Storm Mate and Storm Drain channels are designed with Anti-Floatation Channel "Feet" prevent floating when encased in fill material. With this feature, rebar is not required. If the applications require the use of rebar support, RELN part 003103 Channel Drain Stake Kit allows for the installation of rebar.

Q: How do you protect the grates and channels during installation?

A: RELN part 000070 Channel Drain Tape is used to protect the grates and channel drains during install. The RELN tape is the same width of the channels and leaves no residue

Q: Can heating cables (ice melting) be used within the RELN Channel Drains?

A: Heating cables should only be used if they are approved for use with polypropylene plastic.

Maintenance

Q: How can I prevent my drainpipe lines from getting clogged with leaves and debris?

A: RELN part 003410, Storm Drain Leaf guard is designed to clip into any outlet point for the Storm Drain channel series to prevent pipe blockage.

Q: Do the drains require any maintenance?

A: We suggestion you periodically inspect your drains for any debris or leaves that may have entered the channels, and have any build-up cleaned-out to eliminate pipe clogging. We recommend installing the Storm Drain Leaf Guard (RELN Part 003410) with your system.

Q: Where should the runoff water that is captured from the Channel Drains be drained to?

A: Preplanning should be completed prior to installation. Any discharge water should be away from the property foundation and in an area where erosion will not be an issue. It is also beneficial in reusing the runoff water to hydrate garden beds and/or flowers.

Q: If water remains in the RELN Channel Drains during the cold winter temperature will this have any impact on the drains?

A: No, the integrity of the Reln channel manufactured with polypropylene together with our specially designed structural foam grates insure long term life of the products.

Q: What should be consider when designing a new driveway?

A: Drainage should be considered in the design of a new driveway so that water will run off into a suitable drainage system and not be directed into the garage or home.