

# EASYDRAIN™ CONNECTION INSTRUCTIONS

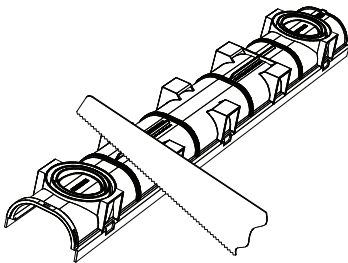
## HOW EASYDRAIN™ CONNECTS TOGETHER

EasyDRAIN™ uses a click-together male to female interlocking system. To prevent seepage at joints, use a suitable silicon.

### Cutting and Connecting Channel and Grate:

- Remove grate from channel and flip channel over
- Use a saw to cut between the ribs that are 200mm from the female end. Refer to Figure 1
- Trim the ends with a utility knife so that the ribs are neat and all excess plastic is removed
- Place grate back into cut channel and mark the cut area ensuring the grate is positioned correctly in channel
- Remove grate and cut using a cutting disk for a neat edge
- Connect the male and female ends together by pushing the male end down into the female end until it 'clicks' into place

Figure 1



### Connecting Converter:

- Use the Converter when connecting two male ends together or to convert a male end to a female end of channel.
- Flip both lengths of channel over and position ends together
  - Click converter into place and seal with silicone

### Connecting Slim Pit:

- Use a Slim Pit to connect EasyDRAIN™ to a stormwater pipe located at a side angle to drainage.
- Slim Pit has all female ends so you will need to ensure you connect to a male end of channel

\* Refer to compact variations for Compact Slim Pit

### Connecting Corner and Tee:

- Use the Corner and Tee to change direction of your channel.
- Corner Piece has all male ends so you will need to use a converter when connecting to a male end of channel
  - Tee Piece has all female ends so you will need to ensure you connect to a male end of the channel
  - Tee Piece and Corner Piece will connect to each other without the need for a converter
- \* Refer to compact variations for Compact Tee and Corner

### Connecting End Cap:

- Use an End Cap to create an end point for your drainage system and seal with silicone.
- You can also use an End Cap to connect to a stormwater pipe and / or leaf dome by cutting out the required sized hole
  - Connect your End Cap to a female end of channel or a male end using a converter

### Connecting Leaf Dome:

Use a Leaf Dome to prevent leaves and other debris from entering the stormwater system.

- Install Leaf Dome at the entry point of your stormwater outlet in the bottom of your channel, Slim Pit or at the end of the channel using an End Cap
- Cut the required sized hole in the centre of the outlet inside of the circular moulded edge and seal using silicone

## COMPACT VARIATIONS

### Connecting Compact Slim Pit:

- When connecting Compact Channel to a Compact Slim Pit, first trim the locking tabs off each side of the male end of channel. Refer to Figure 2

NOTE: If you have cut the channel to size there will be no locking tabs present on the channel

- Locate the lever of the connector at the opening of the Compact Slim Pit and pull upwards towards the grate until it clicks out of place. Refer to Figure 3

- Position the male end of the channel into the top of the connector so the lip of the channel slots into the ribs of the lever and push down until it clicks back into place. Refer to Figure 4

Figure 2

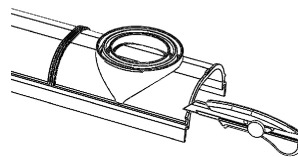


Figure 3

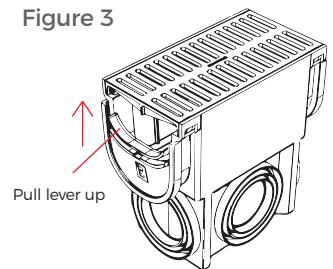
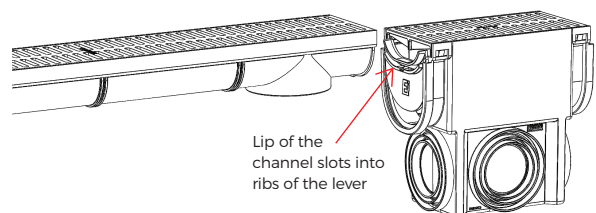


Figure 4



### Connecting Compact Corner:

- Compact Corner Piece has all female ends so you will need to ensure you connect to a male end of channel

NOTE: You cannot connect a Compact Corner directly to a Compact Slim Pit. You will need to use a section of cut channel between a Compact Corner and Compact Slim Pit, ensuring you have a male end for connection to the Compact Slim Pit

### Connecting Compact Tee:

- Compact Tee has all male ends so you will need to use a Compact Converter when connecting to a male end of channel
- Compact Tee will connect directly into a Compact Slim Pit, a Compact Corner or female end of channel

# EASYDRAIN™ INSTALLATION INSTRUCTIONS

1.

## PREPARE

- ✓ Dig your trench 50mm deeper and wider than the channel being installed and not less than 75mm wider than the width of the channel at its lip
- ✓ Slope the trench at a ratio of 1cm for every 1m of channel
- ✓ Pour concrete slurry in the base of the trench
- ✓ Use a string line to ensure straightness and the correct finish height

2.

## INSTALL

- ✓ Grates must be locked into channel prior to installation and it is recommended that you connect sections together before placing in trench
- ✓ Connect your EasyDRAIN™ Channel and Grate with other elements to complete your drainage system, ensuring to connect End Cap to the highest point of your channel
- ✓ To connect to a PVC pipe, cut a hole in the base of the Channel, Slim Pit or End Cap as required, guided by the outlet collar and seal with silicone
- ✓ Place drainage into trench and push the channel into the concrete slurry so the feet of the channel are completely immersed

3.

## FINISH

- ✓ Place suitable expansion material such as a closed cell foam along the top edge of the channel running the entire length of channel, approximately 75mm wide and 10mm thick, then attach to channel with adhesive tape. This will assist with the removal of the grate when required
- ✓ Pour concrete down each side of the channel, ensuring the base is completely immersed
- ✓ Lightly compact and finish the concrete approximately 2-3mm above the surface level of the grate to promote run off from surrounding area into drain

## INSTALLATION TIPS



### WATER FLOW

When determining water flow you will need to consider the following variables that may increase the volume of water flowing into your drainage system: the type of soil; the slope of the land; the size of the stormwater pipes; and the number of stormwater pipe connections.



### REMOVING GRATES

For cleaning and maintenance purposes, grates can only be removed if they have been installed using a suitable expansion material. To remove grate, place the tip of a screw-driver into the flange, where the grate and channel connect. Gently push the edge of the channel outwards until the grate pops out. Repeat this for each flange along the channel.



### PRE-EXISTING CONCRETE

If installing EasyDRAIN™ against pre-existing concrete or pavers, it is recommended that you 1. Dig your trench with enough room for drainage plus an additional 15-20mm below surface level 2. Pour concrete into the base of the trench and place in EasyDRAIN™ Channel and Grate 3. Push the channel and grate down into the concrete, allowing for excess concrete to push up the side of the channel away from the existing concrete.



### TRAFFICABLE AREAS

If you are installing your EasyDRAIN™ system in an area that may receive some vehicle traffic such as a driveway, you will need to ensure that you install your channel in concrete. For driveways, we recommend our range of polymer grates. Refer to installation instructions above.

PLEASE NOTE: All EasyDRAIN™ Grates are Class A only. For drainage systems that support up to Class D traffic, view our TechnoDRAIN range at [everhard.com.au](http://everhard.com.au)