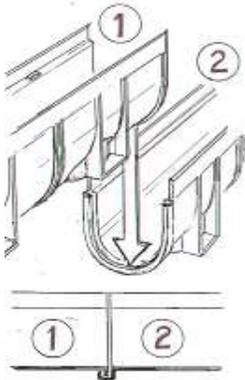


# EASYDRAIN INSTALLATION

## for 110 Stormwater pipe

### Assembling Channel to Channel and to Corner Directly

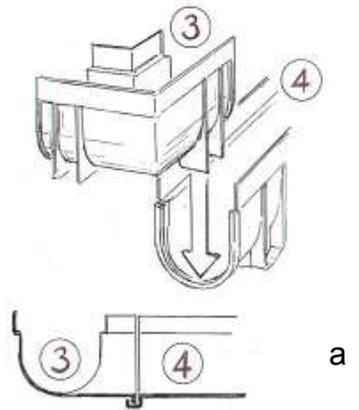


EASYDRAIN Channels have a flange rib at one end and a matching recess at the other.

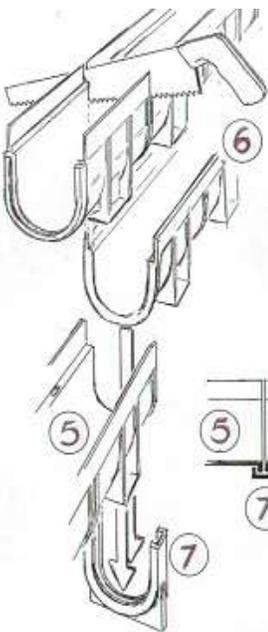
A Channel end with a rib (1) can be fitted into a Channel end with a recess (2). Simply place rib into recess and press firmly down.

Corner fittings have flange ribs on both ends.

Either end of a Corner (3) can be fitted into a Channel with recess (4). To connect a Corner to a Channel with a rib end requires a Converter-Joiner.



### Connecting with Converter-Joiner



Channels have pairs of cutting location ribs. When a Channel is shortened by sawing between these ribs, the new end of the Channel will have a flange rib similar to the original moulded rib end.

Channels with ribs (5) and (6) can be connected with a Converter-Joiner (7). Simply hold the Channel and Corner end flange ribs together and press fully down into the recess in the Joiner.

A Corner can also be attached with a Converter-Joiner in the same way.

### Fitting the End Cap

End Caps close off a Channel or Corner.

An End Cap (8) can be pressed into a Channel end with a recess (9)

A Corner (10) or Channel with a cut or rib end (11) can be fitted with an End Cap (12) using a Converter-Joiner (13)

### Connecting with an End Cap

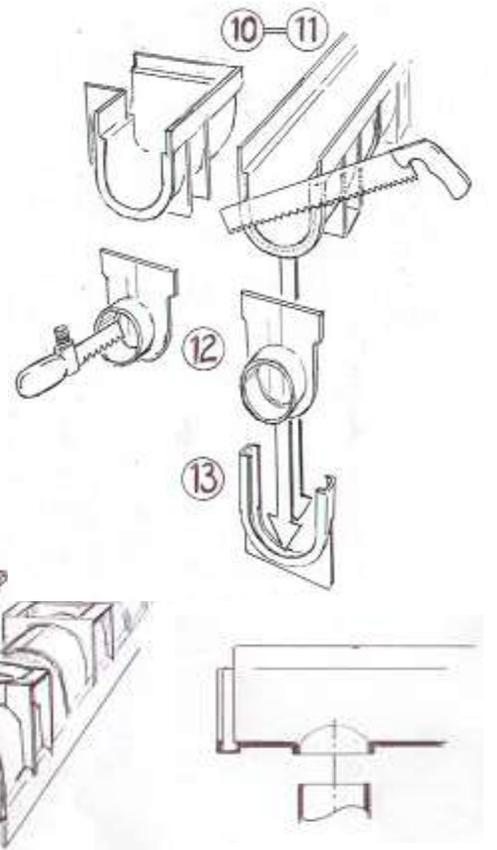
The boss moulded on an End Cap can be cut open with a jig-saw or key-hole saw to accept 110mm PVC stormwater pipe. This permits connection from a closed end of Channel to an underground drain or to other drainage components, such as Pits.

The pipe can be pushed straight into the boss and sealed with a suitable waterproof silicone.

### Channel Bottom Entry

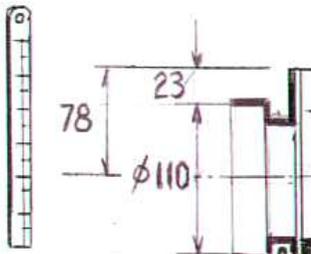
Pipe entry ports are moulded into the bottom of Channels.

These can be opened with a jig-saw or key-hole saw to accept 110mm PVC stormwater pipe.

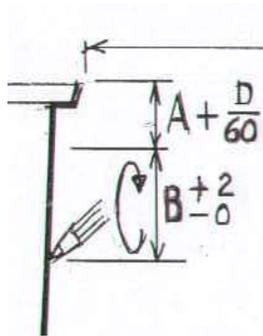


## Connecting to Rainwater and Stormwater Pits

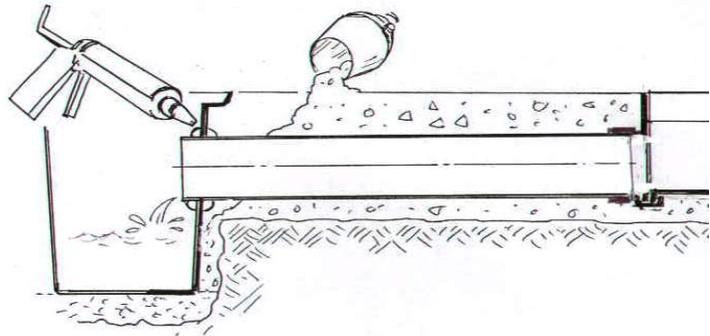
The centre of the 110mm pipe boss moulded on an EASYDRAIN End Cap is 78mm below the Channel rim. This means that a Pit immediately adjacent to the End Cap can be marked accordingly and a short connecting pipe fitted between the End Cap and the Pit.



When the Pit is to be some distance from the End Cap, and the Pit Rim is to be at same level as Channel Rim -

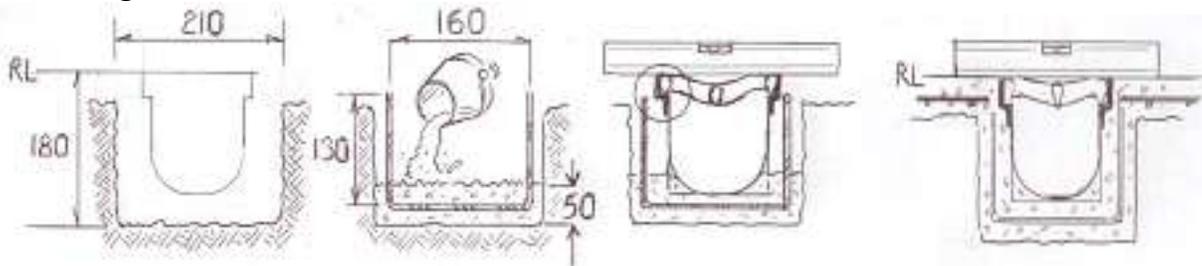


- 1 Measure depth from Channel rim to pipe (A or 23mm)
- 2 Measure diameter of pipe (B or 110mm)
- 3 Measure distance from Channel to Pit (D)
- 4 Divide (D) by 60. Add answer to (A).
- 5 Mark Pit wall at that depth with diameter (B).
- 6 Cut hole to accept pipe.
- 7 Fit pipe from hole in Pit wall to End Cap.
- 8 Apply full bead of suitable silicone sealant.
- 7 Pour concrete around pipe and Pit.
- 8 Trowel to required level and finish.



EASYDRAIN Channel will drain freely through correctly installed connections without retaining water. Note that concrete should be poured into any drainage Pit to bring the floor up to the level of the lowest pipe connection. This reduces the possibility of water stagnation and vermin such as mosquitoes breeding.

## Installing EASYDRAIN Channel



1. Excavate trench to minimum 180mm below the required level for the finished surface. Trench should be at least 210mm wide.
2. Pour 50mm deep concrete slurry along trench.
3. Place steel bar "U" stirrups every 250 - 300mm along trench. Stirrups should be not less than 4mm bar, about 160mm wide and 130mm high. Top tie bars should be added if vehicles will frequently travel across Channel.
4. Position assembled EASYDRAIN Channel into trench and press Channel down into concrete slurry until Channel rim is at required level. Hold down with weights if necessary. GRATES MUST BE FITTED. Ensure Channel rim is correctly levelled.
5. Attach compression/expansion strip (40 x 8 minimum) along both sides of Channel.
6. Pour concrete around Channel and compact down then trowel to suit required level and finish.

