



## INSTALLATION INSTRUCTIONS

Please make sure to read all the installation instructions. Then determine the drainage side of the channel and how to connect the drainage channel to the sewer or other drainage systems such as a gravel drain.

### Preparation

1. Dig a trench for installing the drainage channel. Make sure the trench is at least 10 cm deeper and 20 cm wider (10 cm on each side) than the drainage channel itself, see image 1.
2. If needed, construct the pipework for the installation of the drainage channel by either connecting the pipe system to the sewer or by placing a gravel drain.
3. **Option a:** create a base of concrete or stabilised sand in the trench of about 10 cm high (cement sand ratio 1:3)  
**OR**  
**Option b:** start by placing small wooden supports in the trench of 10 cm high (image 2), followed by installing and connecting the entire drainage channel (see step 4 to 6). Only then start filling the trench with cement.  
*TIP: In case there is no paving yet or if you are redoing the paving, we recommend tightening a rope to determine the height. If you want to install the drainage channels in an existing paving, we recommend using a wooden template for levelling the height (please keep in mind that the drainage channel grid should be placed 3 to 5 mm below paving).*
4. Determine the correct outlet type (either bottom - or side-outlet) for connection to the drainage system. For water drainage via a side-outlet (image 3), install a stopend with outlet (Ø 40 mm with drainage channel type 50 and Ø 100/110 mm with drainage channel type 90). For water drainage via a bottom-outlet (image 4), remove the bottom through careful hammering (or carve with a knife) and install a bottom-outlet (Ø 100/110 mm) with the provided screws.

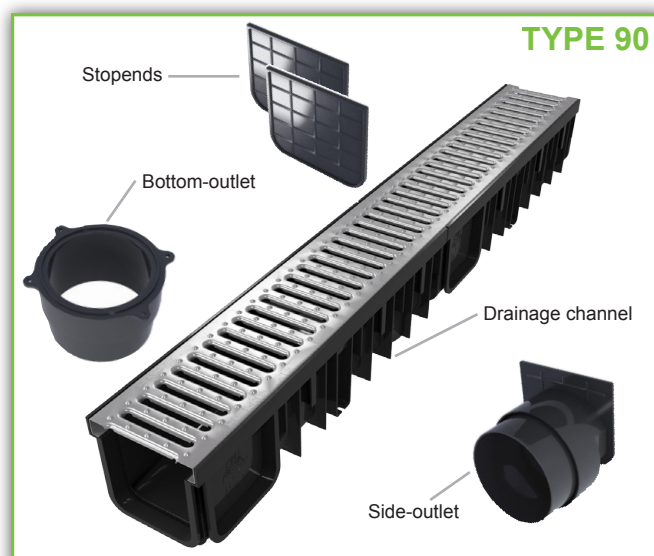
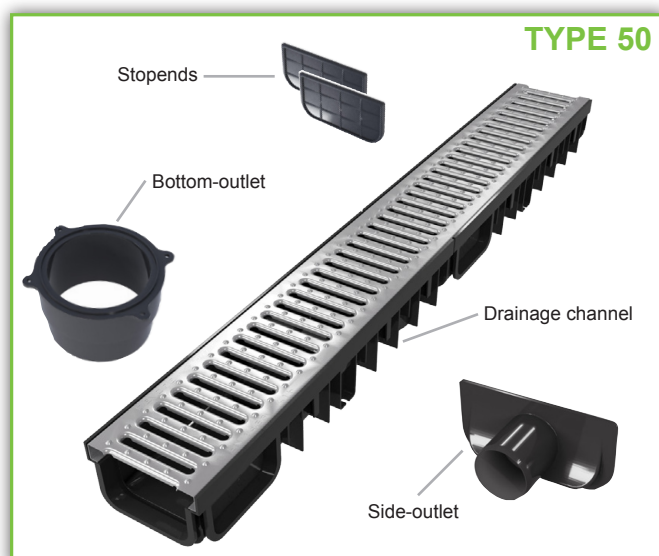
### Installation

5. Start with that part of the drainage channel that needs to be connected to the round downpipe. Then place it into the trench on the base of concrete or stabilised sand (or in case of option 3b, the wooden supports) and connect the drainage channel to the round downpipe.
6. Now connect the other drainage channel parts (image 5 & 6) and place the stopends (image 7) before placing the drainage channel in the trench. We recommend using silicone sealant to attach the gutter parts and stopends to the drainage channels. Please note the drainage channel can be cut up to a maximum of half a metre (only the galvanised grid could be cut to half a metre).
7. Place the drainage channels at the desired height on the base of concrete or stabilised sand (or on the wooden supports in case of option 3b). Please keep in mind that the drainage channel grid should be placed 3 to 5 mm below paving. Tighten a rope to determine the correct height.

### Finish

8. Continue with filling up the trench with concrete up to the level where you want to place the bricks, paving or put vegetation.  
*TIP: Tape the grids up with masking tape to prevent the grids and drainage channels from soiling.*
9. Now place the final cover (grass, bricks, etc.) and remove the tape, and make sure the concrete cures sufficiently.

**Regularly check the drainage channel for dirt and clean it when necessary to avoid blockage (image 8).**



## QUESTIONS?

Do you need advice, or do you have any questions with regard to the installation? Please visit our website and contact us! We will happily assist you!

