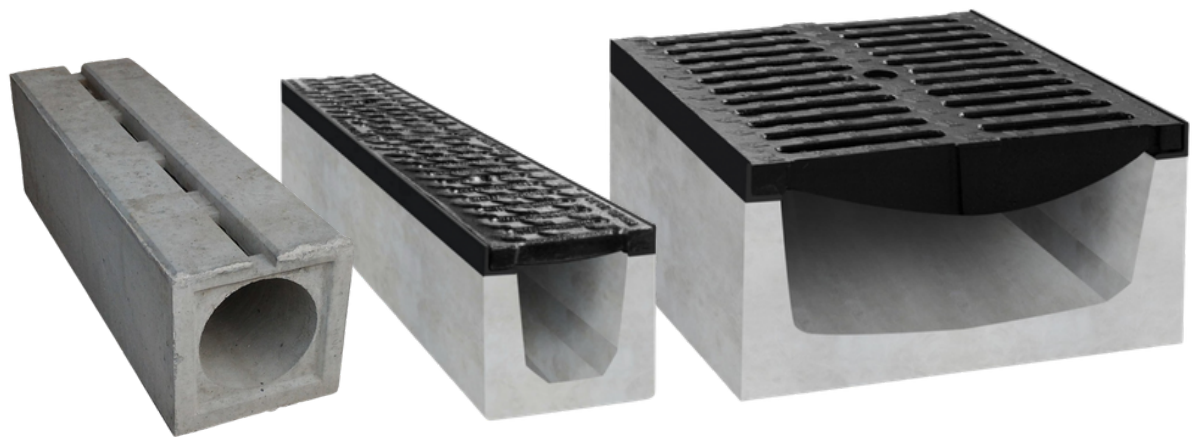


INSTALLATION MANUAL

# CONCRETE DRAINAGE CHANNEL

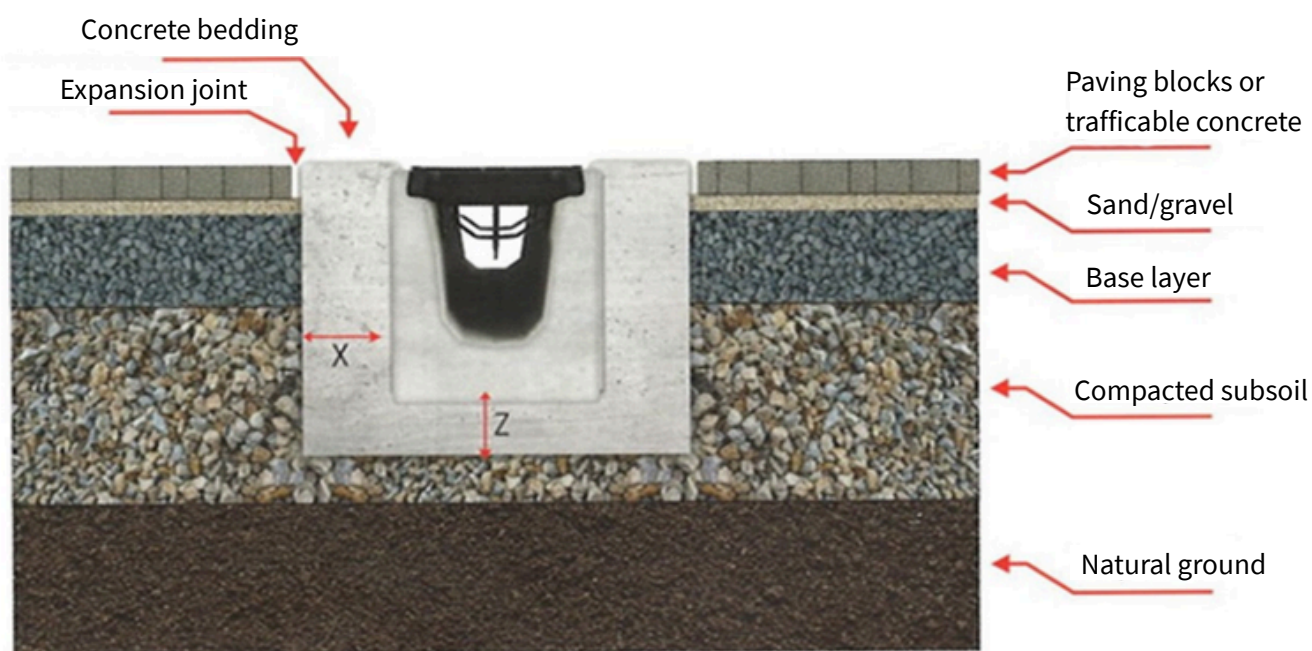


# CONCRETE DRAINAGE CHANNEL

Store concrete products on level, solid and drained ground, protect them from rain and frost.

Installation should preferably be carried out under favorable climatic conditions. Concrete channels and drains are installed on a concrete bed, the height of which depends on the load class of the channel/drain (see indicative table below). The same thickness of concrete must also be applied on the sides, where it serves as support against lateral forces acting on the drainage channel, for example when a car passes over it.

Always carry out the installation in accordance with the project documentation and with regard to local geological conditions and subbase layers.



## Recommended thickness of the concrete bedding:

| Load class                              | A 15    | B 125   | C 250   | D 400   | E 600   | F 900   |
|-----------------------------------------|---------|---------|---------|---------|---------|---------|
| Dimensions of the concrete layer X (mm) | 100     | 150     | 150     | 200     | 200     | 200     |
| Dimensions of the concrete layer Z (mm) | 100     | 150     | 150     | 200     | 200     | 200     |
| Concrete class for the concrete layer   | C 35/45 | C 35/45 | C 35/45 | C 35/45 | C 35/45 | C 35/45 |

**Installation:**

1. Subbase preparation
2. Mark the route of the drainage line using stakes and a layout string.
3. Create an excavation of suitable length, width and depth to allow the formation of a concrete base under the channel and subsequently on the sides (min. 10 cm). For higher loads, it is necessary to consider the permissible bearing capacity of the subsoil or define the permissible load on the bottom of the excavation, follow the above recommendations assumed for the given load class and the minimum qualitative parameters of the concrete. The channels should be installed 3–5 mm below the terrain level.
4. Create a concrete base at the bottom of the excavation.
5. Place the channel on the concrete base. After the concrete has slightly set, fill the sides of the channel with concrete so that the required layer of concrete is formed around the channel (according to the load class).
6. If necessary, seal the joints with quick-setting mortar or frost-resistant adhesive.

The manufacturer is not responsible for defects and problems arising from improper storage, incorrect installation or handling.

**Connection of concrete channels:**