

Installation

1. Excavate a trench with a sufficient width; ensure at least 3 inches (class A15) of bedding concrete can be placed under and alongside the channel. For higher loadings see the chart below. The carrying capacity of the subsoil must also be taken into account, or respectively, the carrying capacity of the trench floor must be established.

Class	Minimum concrete thickness (inches)
A	3
B	4
C	6
E	8
F	10

2. The direction of flow is marked on every channel element by directional arrows on both sides of the channel body. The arrows point in the direction of the outlet.
3. The number visible on the channel body shows the position of the channel within the drainage line, e.g. channel number. 1010 1011 1012
4. Lay out channel elements in the planned sequence alongside the excavated trench (as per installation plan, if available). Begin with outlet channel. Assemble channel bracket if available.
5. Remove preformed knockouts from the channel or silt box for the discharge outlet. Knockouts must be removed with the aid of suitable tools (e.g. rough-drill the predetermined breaking point, then remove the knockout using a flat chisel)
6. Stretch a stringline, pour concrete into the trench and place channels in the concrete, starting at the discharge point (ie. silt box). Embed silt boxes and gullies similar to the installation of channels (thickness of concrete surround). When laying channels, ensure that directional arrows point towards the outlet. Fit the respective end caps at the start and end of the channel line. Connect the discharge point to the sewer system.
7. Brace channel elements to counteract lateral compression utilizing installation brackets or insert gratings in the channel groove. Protect the gratings from any concrete spillage.
8. Ensure the concrete surround is equal on both sides of channels. Where installation takes place in concrete slabs, provide for expansion/contraction joints and do not let the drainage line interrupt existing expansion/contraction joints.
9. Lay the ground surface which directly adjoins the channel side to be at minimum, 1/8" higher than the upper channel surface.
10. Clean any spilled concrete from gratings, channels, and outlet points, insert and secure gratings to channel body using the grating locking system.

