Installation, Care & Maintenance

A straight forward dry jointed system with minimum hassle care and maintenance

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Harmer Modular 135 channel is designed for direct connection to 110mm pipework, where additional sump gully is required, please contact Harmer Technical for options. The Modular 135 channel system is designed for installation within a concrete floor.

Installation can be done prior to the pouring of the concrete floor or within a pre-prepared shuttered trench. When preparing a trench, it's important to observe the following dimensions to ensure correct reinforcement for load class rating.

Fixings

- Bolts, Adjustable Feet and Gaskets for assembly of the channel are included with each component. Outlets are also supplied complete with Foul Air Trap and Sieve

Tools required

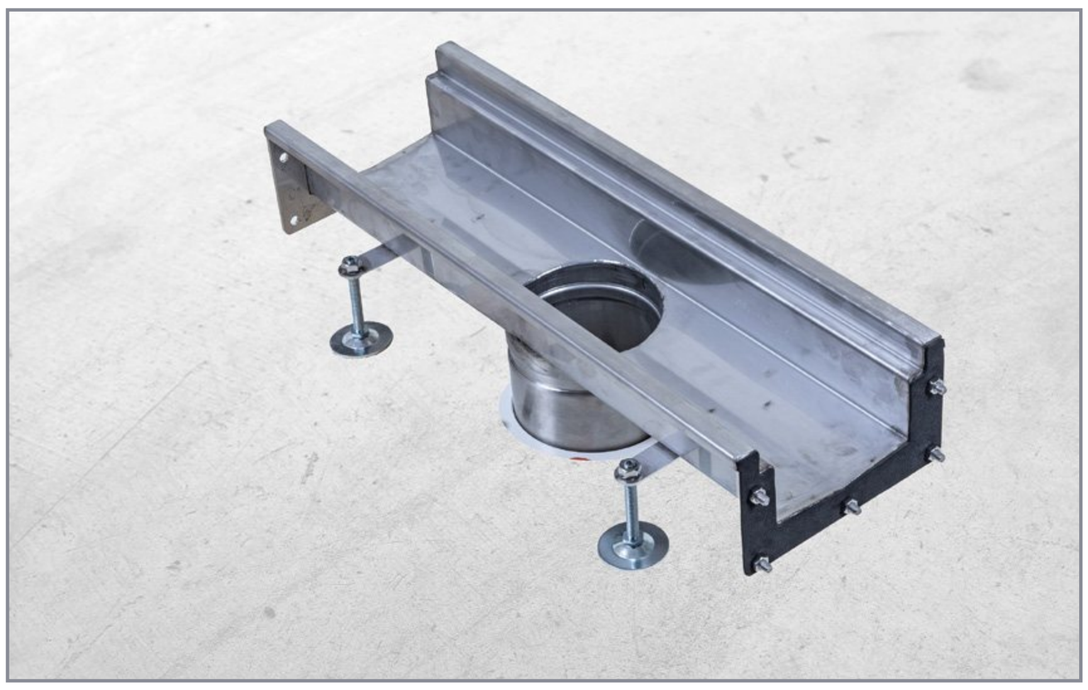
- 13mm Hex Spanner (for feet)
- 10mm Hex Spanner / socket (for joint assembly)
- Flat Screwdriver (for Foul Air Trap)

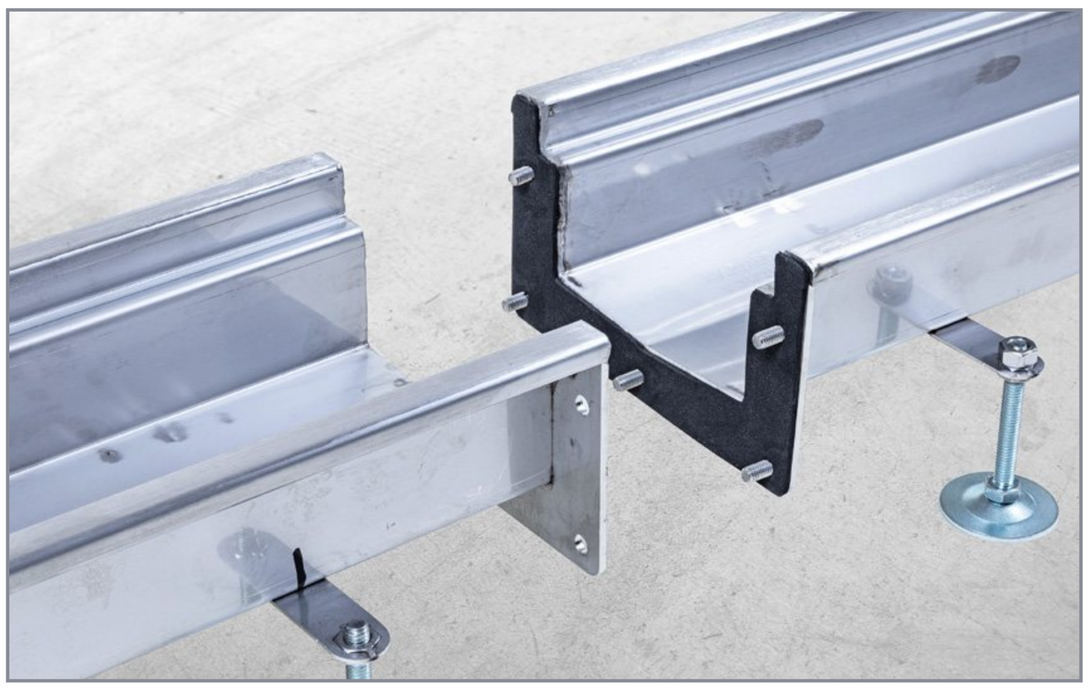
Step 1 - Feet Assembly

- Screw the feet into the threaded nut located on the foot support. Place the M8 nut loosely on top (this will act as a lock nut later once the channel has been levelled to the correct height)

Step 2 - Outlet

- Loosely insert the Modular Channel Outlet into position. Ensure that the Outlet is sufficiently inserted and sealed into the correct position, taking care to check that the Foul Air Trap can sit in position





Step 3 - Adjust and Level

- Level the channel to the desired level using the adjustable feet.

Step 4 - Assembling the Joint

- Place the next channel loosely in position, ensure that the adjustable feet are to the correct height. Using the gasket and bolts included, carefully place the gasket in the right position and loosely place all the bolts in position.

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Step 5 - Tighten Joint

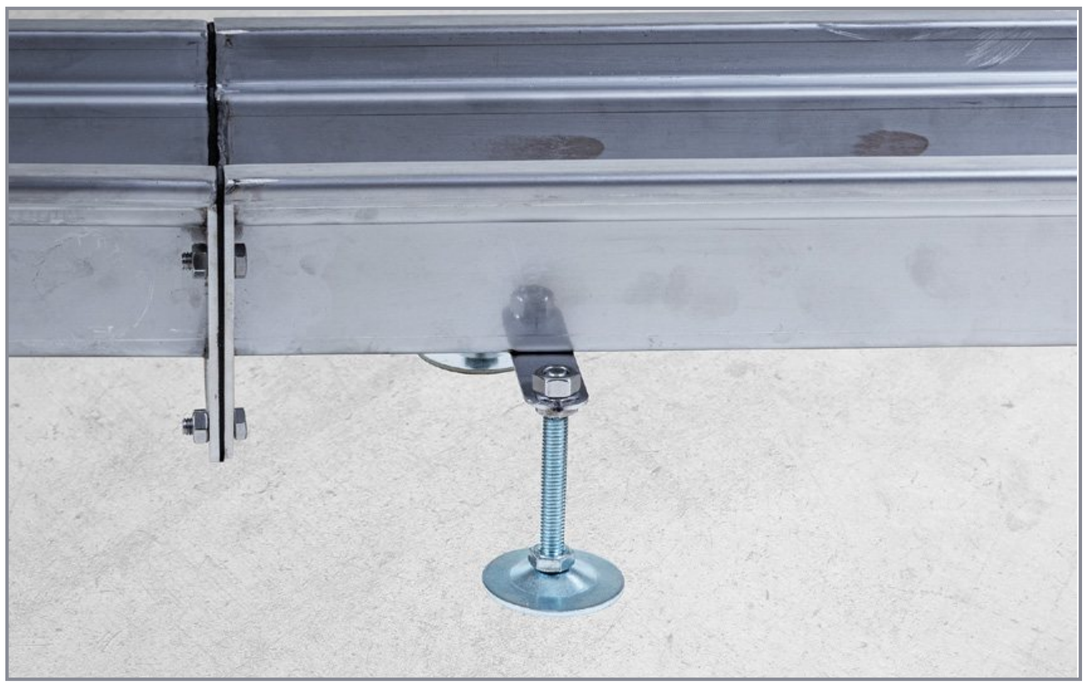
- Ensure channel position, line and level the channel before fully tightening all joints. Note: misalignment could affect the water tightness of the joint.

Step 6 - Final adjustment check

- Check the installation for level and make any small adjustment using the adjustable feet. A water test can be undertaken at this point to check fall/joints/outlet.

Step 7 - Install infill piece (Optional)

- In applications where the required load class is B125 or higher, or if required, install the infill piece into the channel edge

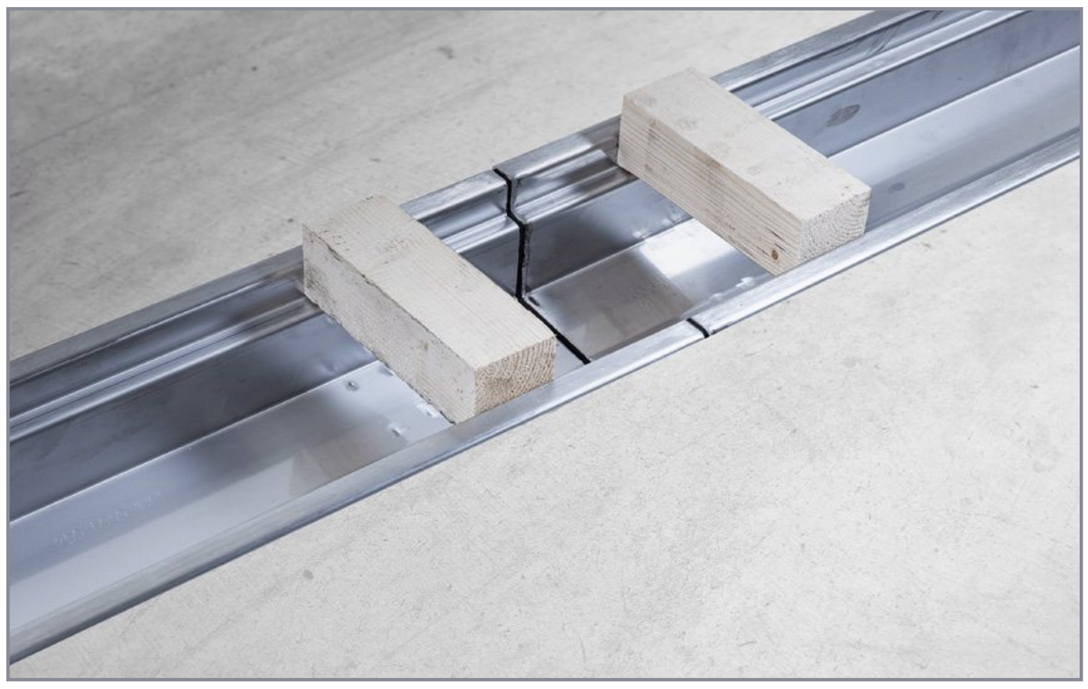


Step 8 - Anchor the channel down

- Prior to backfilling, secure the levelling feet to the substrate to prevent the channel from lifting or floating.

Step 9 - Install Spacers

- To prevent the channel being squeezed while backfill is being compacted, install wood spacer blocks inside the channel (where the grate sits). Do not remove the spacers until the backfill is set.



Step 10 - Backfill

- Weights can also be placed inside the channel to prevent lift during pouring. Pour backfill, ensure that the backfill completely encases the channel. Take care not to damage edge and show surfaces. Remove immediately any material which falls into the channel.

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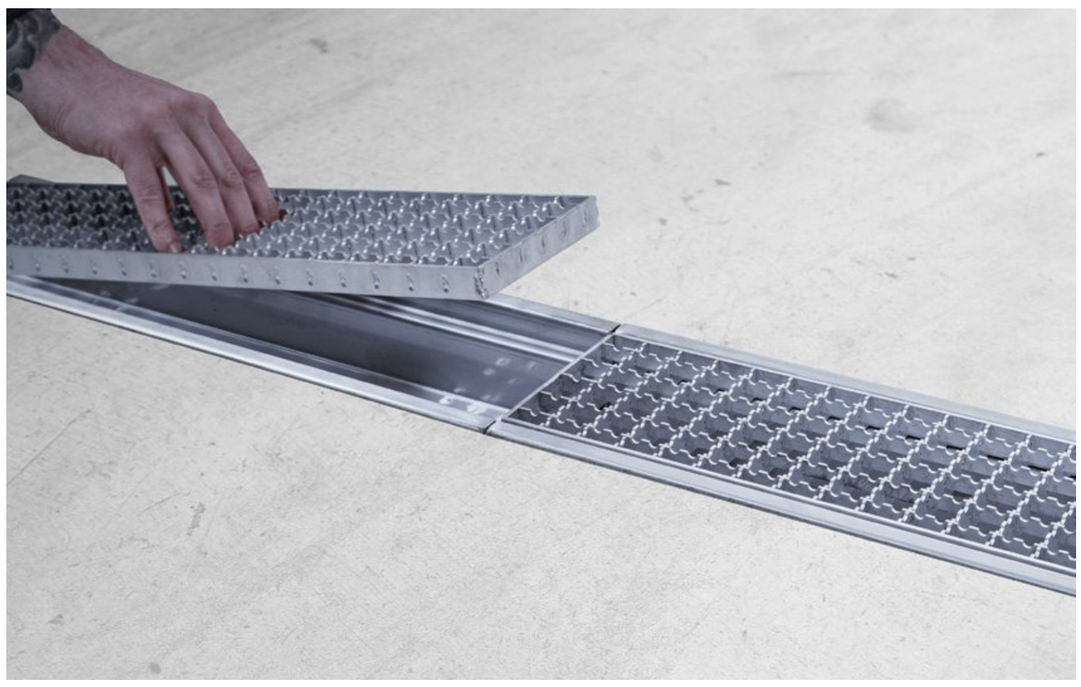
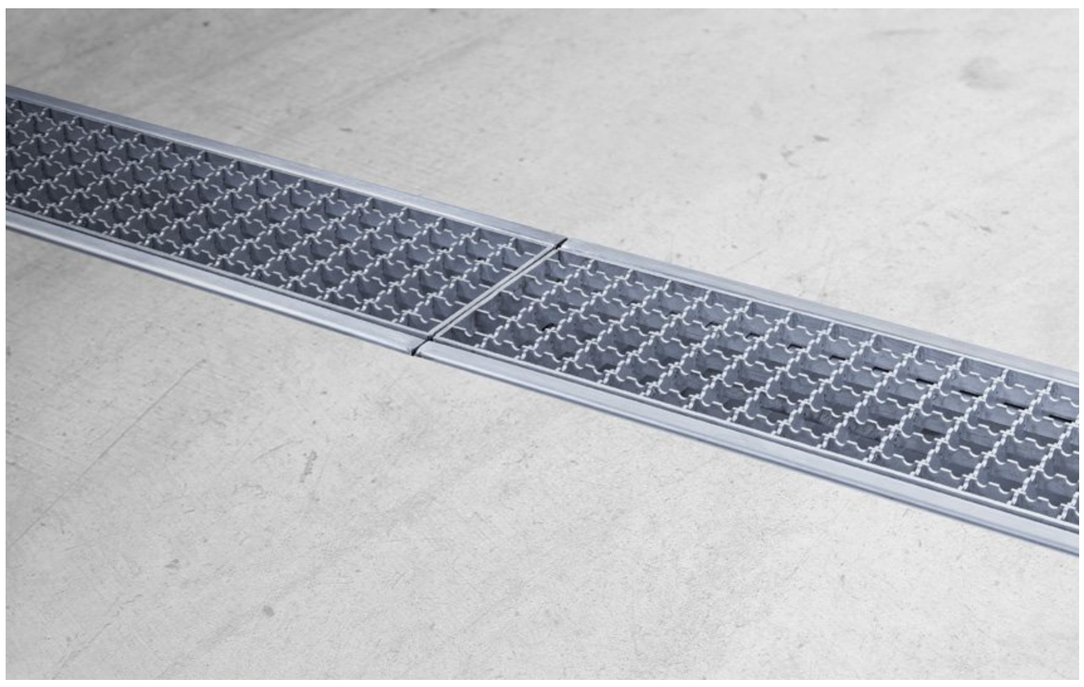


Step 11 - Install Gratings

- Check and clean the channel, remove spacer blocks and install the grating. Simply insert the grating into the seating position.



Step 12 - Final Adjustments & Clean

- Remove any debris from the channel and gratings. Ensure everything is fitted correctly. Clean the channel and gratings with soapy water and wipe dry if required.

Safety Precautions

- Before specification or purchase, the grade of stainless steel should be checked to make sure it is adequate for the application. If unsure please contact Harmer Building Drainage Technical Team.
- In areas where chemicals may be present e.g. swimming pool environments or food processing. It is recommended to use a higher grade of stainless steel. Always check prior to placing any orders and if in doubt match the grade of stainless steel of the machinery installed.

Maintenance

- The high quality grates and bezels are maintenance free but should be inspected periodically and cleaned of any trapped matter.

  If drains are not used for a period of time the trap water may evaporate or become fetid. To remedy this, there is no need to remove the grate, simply reprime the Trap by pouring clean water through the drain. Never use bleach or caustic cleaning agents.

  Frequency of cleaning depends upon application. Generally, clean the metal when it is dirty in order to restore its original appearance. This may be once a day for a drain in hygienic or aggressive situations.

Cleaning after Installation

- To clean Stainless Steel grates, use only soapy water and wipe dry. Under no circumstances use metal scouring pads, metal scrapers or wire wool since this will contaminate surfaces leaving rust spots.

Cleaning Methods

- Harmer Modular 135 channels could not be simpler to clean. To maintain the aethestic appearance of the system wash with soapy water and wipe dry. Under no circumstances should bleach or caustic cleaning agents be used.