



ACO Stainless

Modular Trench Drain and Slot Drain Channels

Site Installation Guide



Getting Started

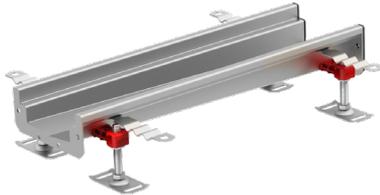
ACO Modular Channel systems enable simple configuration to meet any layout requirement and are easy to assemble. Refer to catalog for product details.

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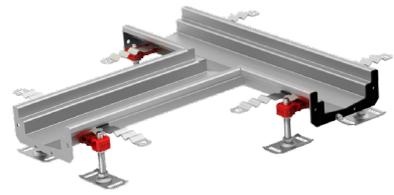
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Examples:

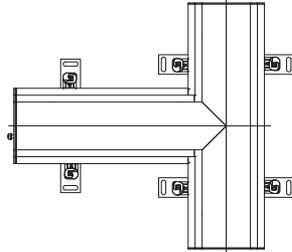
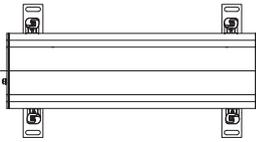
ACO Modular 125/200



Straight Unit



Tee Unit



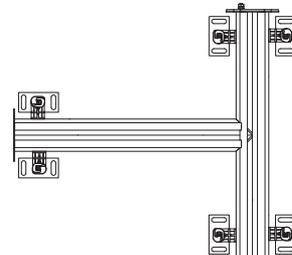
ACO SlotDrain 20



Straight Unit



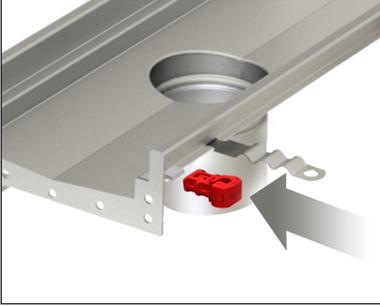
Tee Unit



1

Assembly of Leveling Feet for Installation

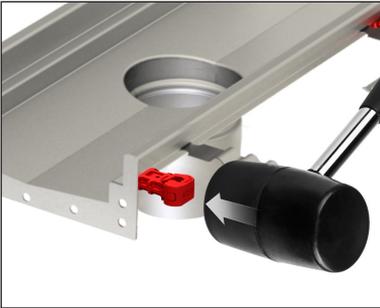
1. Attach red plastic clips.



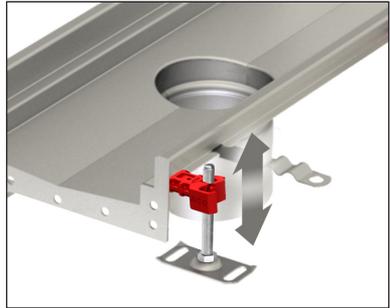
4. Insert leveling feet through plastic clip.



2. Using a rubber mallet, gently tap the clip in place.



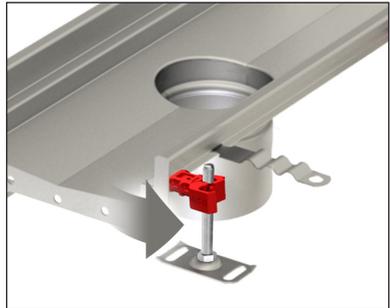
5. Leveling feet slide through clip to set channel at approximate height and level required.



3. Open clip.

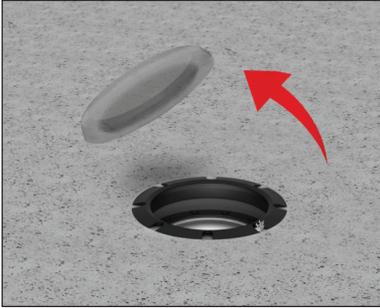


6. Close and snap clip to hold feet in place - fine tuning can be done later with screwdriver.

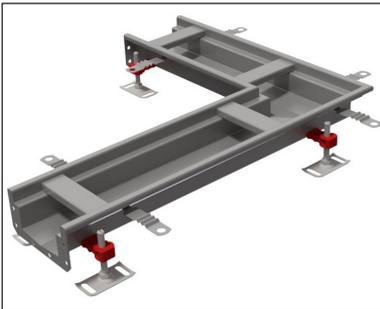


2

Installation of Modular Channel into Floor Drain Body



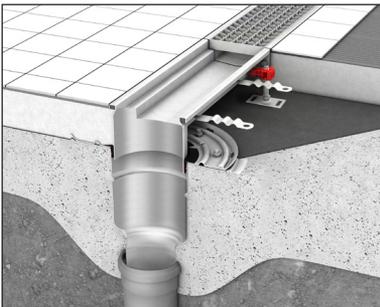
1. Installation begins at the outlet. The outlet on the channels can connect directly to a pipe system or to an ACO adjustable height floor drain body (see separate installation manual for ACO Floor Drain Lower Body).



2. ACO modular channels are supplied with factory installed spacer bars. These bars protect the channel dimensions during transport and prevent the channel from collapsing during the concrete pour.

Using a rubber mallet, remove the bars prior to installing the grates.

ACO slot channel spacers should never be removed.



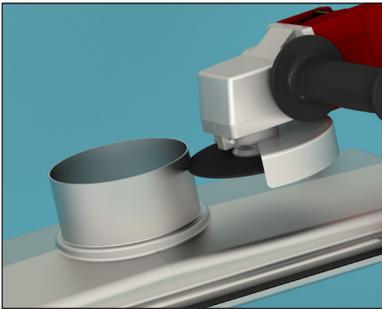
3. Modular channels should be encased in concrete - specific channel and flooring finish details are available to download at www.acobd.com.

2

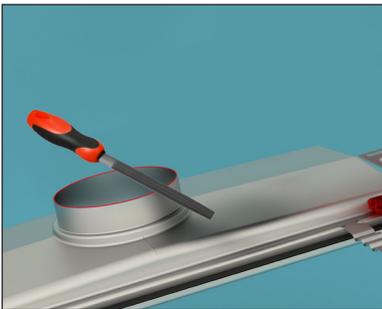
Installation of Modular Channel into Floor Drain Body (cont.)



4. Perform a test install into the floor drain to determine height, spigot length and position. If the spigot is too long, it can be cut to size.



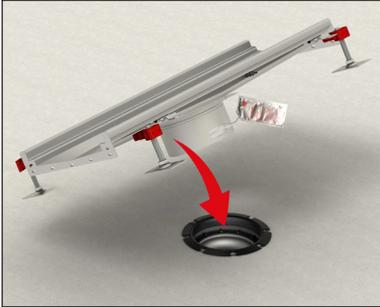
5. If required, cut the spigot using an appropriate cutting tool.



6. Using an appropriate tool, smooth the cut edges to avoid any cavities that can harbor bacteria or cause rust.

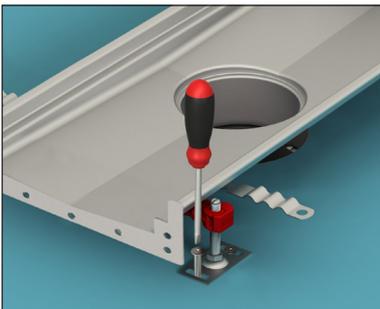
3

Connecting Modular Channel Units Together



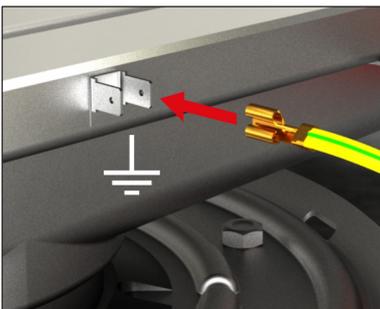
7. Push fit the unit into the friction ring on the floor drain body.

Using a flat head screwdriver, adjust height and level the unit.



8. If using a waterproof membrane, pour concrete around Box Drain feet to fix in place.

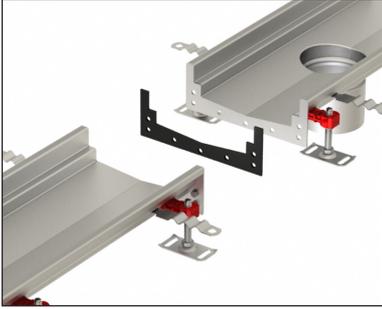
If not using a waterproof membrane, the feet can be fixed with concrete or fixed to a footer slab.



9. Attach grounding wire to earth point on the channel, if required.

4

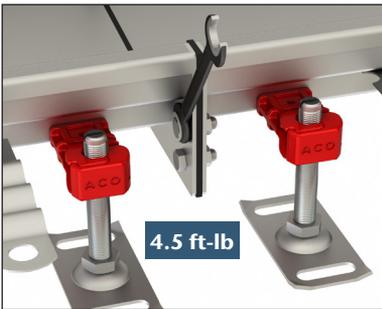
Installing Modular Channels in Floor Slab



10. Position the rubber gasket between channels while assembling to ensure a sealed joint.



11. Use provided hardware to bolt channels together and tighten with fingers.

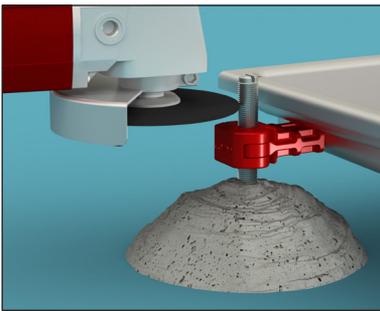


12. Confirm alignment, level and position of the channels then tighten using appropriate tool. Do not exceed more than 4.5ft lb (6Nm) torque.

5

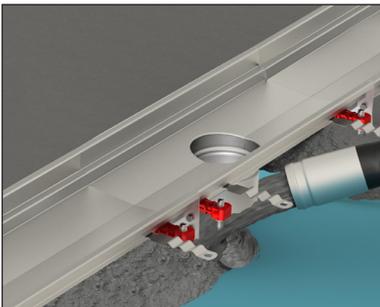
Floor Finishing

13. Using a flat head screwdriver, adjust height and level the unit.



14. If threaded leveling legs interfere with intended floor finish, they need to be trimmed.

If cutting leveling feet, cover the open box drain to prevent steel particles from damaging the finish.



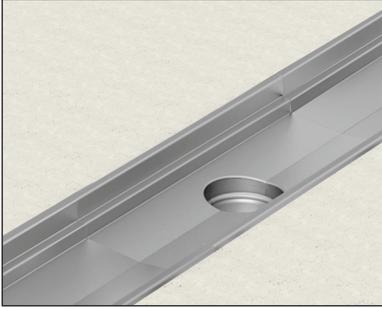
15. Once all channels are set in position, attach end caps.

Pour concrete to appropriate level, avoiding any voids around the unit.

Immediately clean concrete splash from channel edges and interior.

5

Floor Finishing (cont.)



16. Finish concrete surface to required level.

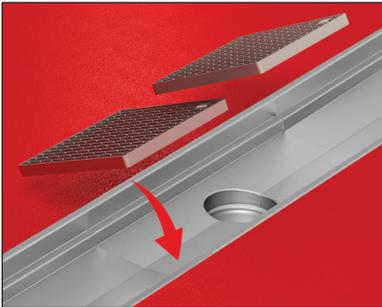
Complete concrete pour to required level leaving any required space to accommodate final floor finish such as Tile or Epoxy.



17. Install floor finish per manufacturers instructions ensuring finish is a minimum of 1/8" (3 mm) above the floor drain for optimal drainage.

Clean channel edges and interior.

Spacer bars can be removed after installation and final curing of the finished floor.



18. Once grates are installed installation is complete.

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Re-order Part #BD700

