

Ebbe INNI® Linear Drain Installation Guide

Before Installing your HYDRO-BLOK Shower System

If the edge of the shower pan is higher than the floor plate 2" x 4" on any side, another 2" x 4" must be installed on top of the existing floor plate between each wall stud. This provides the wallboard with the necessary support needed at the shower pan joint.

The shower and drain area subfloor must be recessed 1" below the adjacent tileable surface to allow for the height of the Ebbe linear drain.

The subfloor must be solid, level and properly constructed to meet deflection standards. For wood floors, joists must be 16" OC with ¾" T & G plywood or equivalent glued and screwed.

The drain pipe must be securely fastened below the subfloor so that it will not move under load. Cut the 2" ABS or PVC drain pipe 1 ⅜" below the top of the subfloor. Clean off any burrs on the 2" pipe after cutting.

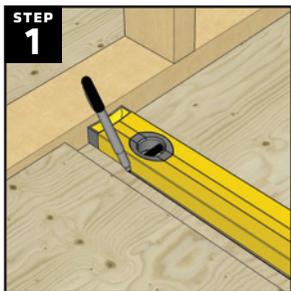
Perform a final floor and wall measurement check to ensure all walls are square and make any adjustments required BEFORE installing your HYDRO-BLOK shower system. Clean the shower pan install area of any dirt, dust or debris.

Installation Tools and Materials Required

- #2 Robertson or #2 Philips screwdriver drill bit
- Professional notch trowel (maximum ¼" notch size)
- Electric drill with 2 ½" hole saw
- ABS glue
- Electric tile saw
- Tape measure / Level / Fine point marker
- 4' to 6' Straight edge or similar square
- Cleaning supplies (we recommend paper towels, citrus wipes, rags, dust pan and brush)

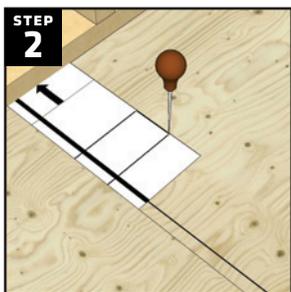
IMPORTANT: Please read all related installation guides before installing your HYDRO-BLOK Shower System! Contact your local dealer if you have any questions regarding the installation process.

This installation guide is to be used exclusively for the installation of HYDRO-BLOK Single Slope Shower Pans with an Ebbe America INNI® Linear Drain system.



Using a straight edge, mark a line 7/8" from the edge of your recessed shower area to represent the linear drain slot. Mark the center of the shower opening.

Please note: The linear drain may also be located against a back or side wall if not installing a barrier free/flush entry shower. A HYDRO-BLOK shower curb should be used in these cases. When installing the drain against a side or rear shower wall, the 7/8" offset may need to be increased appropriately if your combined wallboard/tile thickness exceeds 7/8".



Locate the 3 drain templates included in the linear drain kit. These templates assist in locating the recesses required for the drain end caps and the center drain opening.

Tape the templates to the floor using the line marked in step 1 as a guide. Ensure the center template is properly centered in your shower opening*. Using a punch or similar tool, transfer/mark the rectangular cut-outs on each template onto the subfloor. Additionally, mark the drain center on the center template.



Drill a 2 ½" hole for the drain pipe using the transferred marks and have a qualified plumber install a 2" ABS drain pipe. The drain pipe should be installed so that the top of the pipe is 1 ⅜" below the top of the shower area sub-floor.

The drain pipe should be installed so that it is properly supported with no vertical movement.

If you have access to the shower area from below, you may continue to step 4 and install your drain pipe at a later time.

Included in the Ebbe Linear Drain Kit

Before beginning your installation, ensure all parts of the linear drain kit are present.

1. Main drain body
2. Left and right end caps with covers
3. Ramp inserts, 4 pairs lettered A, B, C, D
4. Two aluminum rails, one labeled as "slot-side rail"
5. Drain cover kit
6. Drain cover puller
7. Applicator bottle for ABS glue
8. Paper template kit
9. Four corrugated plastic gap sticks
10. Hole drilling guide/jig
11. Drill bit with integrated countersink
12. Flat head screw kit
13. Cotton swabs

* Please Note: The drain opening may be placed off-center if your shower width does not exceed the overall length of the linear drain and end caps (72"). The difference between the shower width and the full length of the drain body will determine the distance the center drain opening may be shifted.

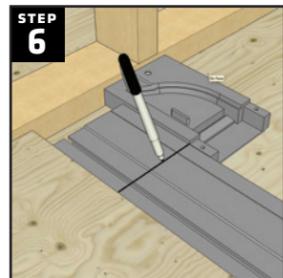


Using appropriate tools (e.g. router), cut the end cap recesses a minimum of 3/16" deep. Cut out the 4" x 6" center drain opening completely.

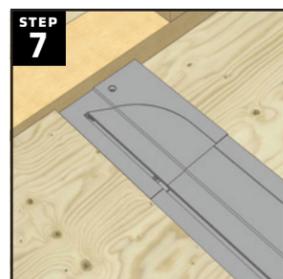


If the linear drain body is wider than the shower opening, it must be rough cut to fit so that it can be placed inside the shower opening.

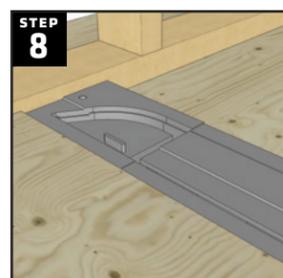
Use a tile saw to rough cut each end of the drain body so that it will fit inside the shower opening, leaving 1" of clearance at each end.



To mark the final cuts, lay the linear drain end caps next to each end of the drain. Carefully mark a line on the top of the drain body at the location of the upper ledge of the drain cap (as shown).



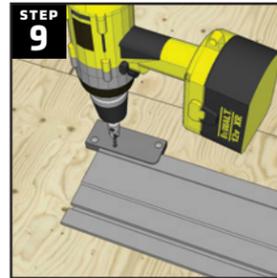
Ensure each drain end cap is located on the appropriate side of the drain body by placing the drain end cap covers in place temporarily and ensuring the drain slot aligns with the slot on the main drain body.



Double check the location of the final cut marks and use an electric tile saw to cut each end of the drain body (DO NOT use hand tools as the cut MUST be straight and accurate).

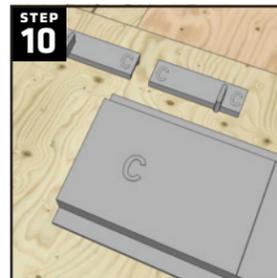
Use a sharp utility knife to clean and deburr all edges of the drain body.

Dry fit the drain with the end caps loosely in place to ensure the entire assembly fits in place.

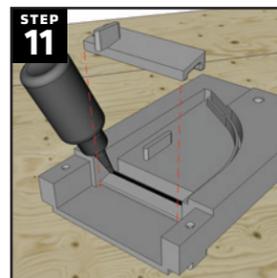


Using the supplied drill jig and drill bit as shown, drill two holes at each end of the linear drain body.

Countersink each of the 4 holes using the supplied bit so that the included screws will sit flush with the top of the drain body.

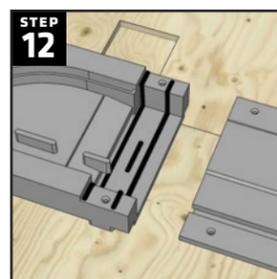


On the underside of the main drain body, note which zone (A, B, C or D) that your final cut was made in. Select the two ramp inserts with the matching letters.



On each drain end cap, apply a continuous bead of ABS cement as shown using the applicator bottle supplied with the linear drain kit. Firmly press the matching ramp insert into place ensuring the rib on the ramp insert aligns with the rib on the drain cap.

Dry fit the drain end caps onto the linear drain body. If the rib on the end caps interferes with the drain body, use a utility knife to score and snap off the overhanging portion of the rib.

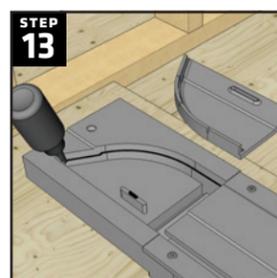


Using the supplied applicator bottle, apply a continuous bead of ABS cement as shown to one of the drain end caps and immediately fit the end cap onto the main drain body.

Install two of the supplied screws to secure the end cap to the drain body. Ensure any excess ABS cement is removed using the included cotton swabs and/or rags.

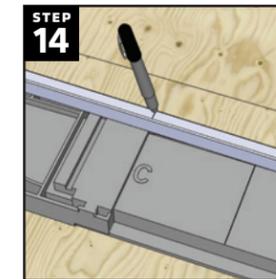
Flip the drain over and apply an additional heavy bead of ABS cement along the entire seam between the end cap and the main drain body.

Repeat this step for the second end cap.



Install the end cap covers by applying a small amount of ABS cement as shown and firmly pressing the covers into place.

At this stage it is recommended to perform a simple watertight test by plugging the drain connection and filling the linear drain body with water to the top of the drain channel. Ensure there are no leaks at either of the end caps.

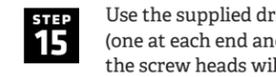


Measure the length of the underside channels on the front and rear of the assembled drain body. Mark and cut the two aluminum rails to the measured channel length.

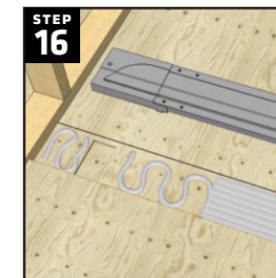
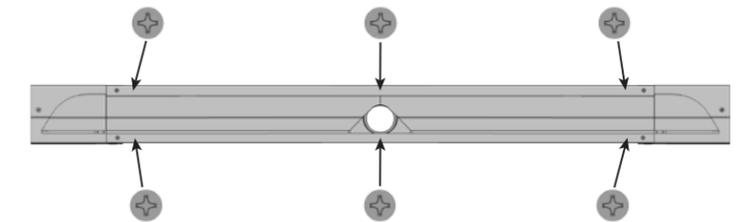
Dry fit each rail into place, ensuring the labeled slot-side rail is placed on the labeled slot side of the drain body.

CAUTION: the two aluminum rails are different heights and must be placed on the correct side of the drain body.

Remove the peel and stick backing from the adhesive on each rail, and press each rail into place firmly.



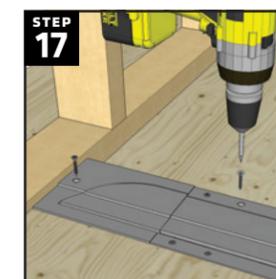
Use the supplied drill bit to drill 3 holes through the drain body and rail along each side (one at each end and center, 1/4" in from the outside edge). Countersink each hole so that the screw heads will sit flush with the top of the drain body.



Dry fit the drain body assembly in place and mark a line along the entire back edge of the drain body.

Using the mark as a guide, apply HYDRO-BLOK joint sealant generously to the sub floor where the drain will be positioned. Trowel out the sealant using a maximum 1/4" notched trowel.

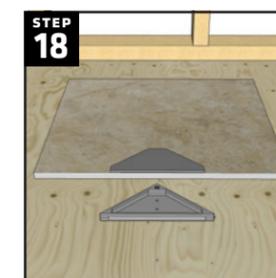
Apply ABS cement to the outside surface of the drain pipe and inside surface of the drain connector on the line drain body.



Once the ABS cement is applied to the drain pipe and connector, immediately install the line drain and press firmly into position.

Use a level to ensure the linear drain body is straight and level. Shims may be used if necessary.

Secure the drain body to the subfloor using the supplied screws at the 6 locations drilled in step 15. Install a additional screws into the pre-drilled holes at each end of the drain body.



To cut the tile that installs into the triangular drain access cover, peel the backing off the double-sided adhesive on the supplied tile pattern and adhere it to a tile.

Using the tile pattern as a guide, use a tile saw to trim your tile to size.

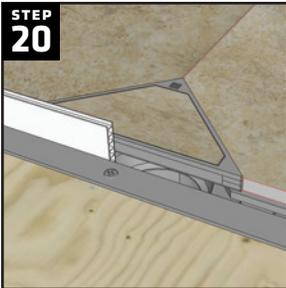


Install the cut tile into the drain access cover using a small amount of thinset or joint sealant. Use the provided set screws to raise or lower the tile so that the top surface is flush with the top of the drain cover.

Allow the thinset or joint sealant to fully set before removing the set screws.

Installation Note!

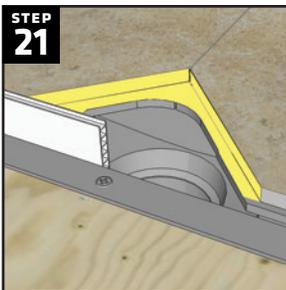
When installing your drain & shower pan, ensure that your installation meets all local building codes for proper slope. Either the shower pan or your tile or stone installation can be adjusted to meet any local requirements.



Install your HYDRO-BLOK Single Slope Shower Pan as per the instructions included with the pan.

Place the provided gap sticks in place in the drain slot, cutting them to size as required. Place the drain access cover assembly (drain cover with frame) into position against the gap sticks.

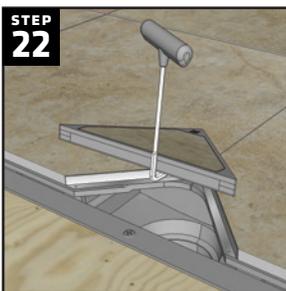
Tile the shower floor, tiling tight to the gap stick and drain access cover assembly. Leave the drain cover and gap sticks in place to grout the shower floor.



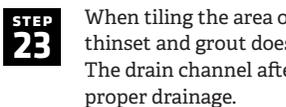
Once your tile has set, remove the drain access cover assembly, leaving the gap sticks in place.

Apply epoxy or HYDRO-BLOK Joint Sealant to the areas shown in yellow and position the drain access cover assembly into place.

CAUTION: Only the V-shaped drain cover frame should be cemented into place.



Once the drain frame is bonded in place (a minimum 1 hour of cure time is recommended for epoxy or overnight for HYDRO-BLOK Joint Sealant), the drain cover may be removed using the included cover puller tool.



When tiling the area outside of the shower place the gap sticks into the drain channel so that thinset and grout does not enter the drain channel. Tile must be installed tight to the gap sticks. The drain channel after tiling should not be narrower than the gap sticks in order to allow for proper drainage.

For cleaning the linear drain channels, use the cleaning tool available separately from your dealer.



The Ebbe America INNI® Linear Drain is a patented system designed for use with HYDRO-BLOK Single Slope Shower Pans.

Thank you for choosing
HYDRO-BLOK™
for your shower solutions



HYDROBLOK INTERNATIONAL LTD.

www.hydroblok.com

info@hydroblok.com

Toll Free: 1 844 588 9559

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