

External Splice Box (SBEX)

Installation Instructions

Step 1: Drill Hole in Riser (If Necessary)

If the access riser has been pre-drilled and grommeted for the splice box hole, continue to Step 2. If it hasn't been pre-drilled, call your distributor or Orenco for assistance before following the instructions in Step 1.

Step 1a: Measure and mark locations on the inside of the riser for the splice box fastening hole and splice box pilot hole — one at 2-13/16 inches and one at 6-1/4 inches (71.5 and 159 mm) down from the top of the riser or riser lid adapter.

- Choose the side of the riser with the most direct route to the control panel.

Step 1b: Drill the holes from the inside of the riser.

- Upper mark: Use a 5/16-inch (8-mm) bit to drill the splice box fastening hole.
- Lower mark: Use a 1/4-inch (6-mm) bit to drill the splice box pilot hole.

Step 1c: Cut the splice box hole from the outside of the riser.

- Use a 5-inch (127-mm) hole saw to cut the splice box hole.

Step 1d: Trim the riser ribs back 1 inch (25 mm) around the splice box hole.

- Use a grinder or cutting tool to notch the ribs through to the riser wall.
- Use a hammer and chisel to break off the notched rib sections or use a grinder to grind down the rib sections.
- Use a grinder to make a flat, smooth surface around the splice box hole.

Step 1e: Clean and deburr the hole and flat surface.

- Be careful not to enlarge the hole.

Step 2: Install Splice Box and Hook-and-Loop Strip

Step 2a: Apply a continuous bead of ADH100 sealant/adhesive to the groove in the 4-inch grommet's outer diameter and firmly press the grommet into the hole.

Step 2b: Lubricate the inside of the splice box grommet.

Step 2c: Push the splice box into the grommets hole until the bumper rests snugly against the grommet.

Step 2d: Align the splice box vertically with the riser and insert the supplied hex-head screw into the washer and the hole in the center of the hook-and-loop strip.

Step 2e: Drive the hex-head screw through the splice box fastening hole in the riser and into the screw hole in the splice box to secure the splice box.

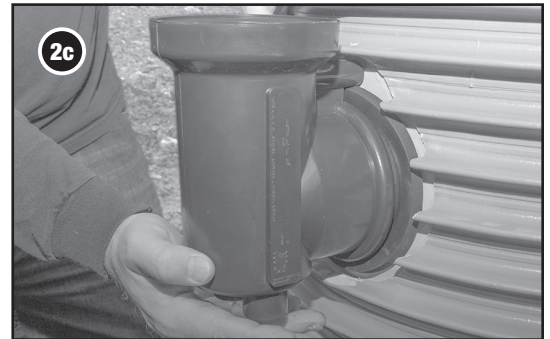
Step 2f: Leave the supplied conduit caps and waterproof wire nuts inside of the splice box; then install and secure the splice box lid.



Apply adhesive.



Install the grommet.



Install the splice box.



Install the hook-and-loop strip.