



MOVING WITH NATURE™

EZ BEACH STEPS INSTALLATION GUIDE

IMPORTANT NOTES:

- EZ Beach Steps are designed for outdoor use only and are not intended to attach to a house or meet residential building code requirements.
- These steps are not meant for installation in water.
- They are adjustable, temporary-use systems that allow for easy seasonal adjustments.
- Optional safety rail systems are available in either a simple knee rail or a full spindle system.

TOOLS NEEDED:

- Socket Wrench or Impact Drill (#15 or 9/16)
- Flat Wrench (#15 or 9/16)
- 1 ½" Schedule 40 Galvanized Steel Pipe (length depends on site)
- Manual or Powered Pole Driver, or Sledgehammer with a board
- Magnetic Levels (one 3' long and one short) *Note: magnets only work on steel pipe, not aluminum.*
- Two 3/8" Lag bolts to attach to existing header

INSTALLATION STEPS:

Step 1: Attach the Standard Bracket

1. Secure the standard bracket to the header of your existing deck or steps using lag bolts through the back holes, do not install through the raised hole.
2. Position the top of the bracket 2" below the top of the deck or step.
3. If you want the first step to start one step down from your deck, measure the rise, add 2" and position the bracket accordingly.

Step 2: Adjust the Steps

1. Loosen (but do not remove) the bolts with flange nuts on the top two and bottom two steps. For longer step sections, you will also loosen those on the three center steps.
2. Adjust the steps to the desired rise, this can be done easily two ways;
 1. Laying flat and insert a pipe into one of the pipe brackets and using that as a lever
 2. Standing on one side and pressing one of the steps open.
3. Tighten the bolts back down, ensuring they are secure but not overtightened to avoid stripping the nuts.
4. For single-step installations, adjustments may be easier once the steps are on the bracket. For multiple sections, adjust them before installation.

Note: We offer an EZ Step Rise Setting Tool that you can place in between steps and force down to desired rise before you lock them in.

Step 3: Set the Steps

1. Set the Step Section into the Bracket you have attached in Step #1
2. Level the steps vertically and horizontally
3. Move to step #4



Step 4: Install Support Posts

1. Hold the steps in a level position at the bottom step, ensuring they are level side-to-side and front-to-back.
2. Insert a galvanized pipe through the open pocket on the support bracket at the bottom of the stairs.
3. Use magnetized levels on the steel post, one at 6 o'clock and one at 9 o'clock, to make sure that you are driving the post in perfectly straight up and down.
4. You can use your weight to get the post started down into the sand.
5. Use a pole driver or sledgehammer (with board on the top of pipe) to drive the pipe into the sand until it feels solid and stable. Leave about 6" of the pipe above the bracket (you can trim this later).
6. The depth you drive the posts into the ground is going to be site specific. The pipe should no longer go into the ground when hit with a post driver or have minimal gain. In many cases you can feel the resistance and the pipe no longer moves side to side. See EZB Pipe Install Document. If you are unsure seek engineering guidance.
7. For 16-step sections, install center support posts in the same way.
8. In rocky areas, use sand/mud pads instead of driving the posts into the ground. Creating a Pocket in the rock in addition to the pads may be recommended. Note that this method is less secure, as the rocks and pads can move. Again, professional engineering or installation advice may be needed.
9. Once level and square, secure the bolts on the pole bracket, ensuring they are tight but not overtightened. There are three secure bolts for the post, it is recommended that you drill a hole into the center bolt hole into the galvanized pipe, allowing the secure bolt to penetrate the pipe providing additional support.

Step 5: Link Additional Step Sections

- **Option 1:**
 - Attach a standard bracket to the bottom of the first section.
 - Place the next section into the bracket and bolt it in place.
 - Note: This method results in two steps at the same level, and handrails may not align evenly.
- **Option 2:**
 - Use a drop assembly bracket attached to the bottom step.
 - Follow the step-by-step instructions provided or request an instructional video.

Step 6: Install Handrails

1. Insert the down posts of the handrails into the rail support brackets at the top and bottom of each step. If there are knee rails you will need to be sure that the center posts tabs are installed with the high side facing the top of steps.
2. Tighten the bolts on each bracket to secure the handrails, ensuring there is no wobble. Avoid overtightening.
3. Periodically check and tighten the bolts as needed.

Step 7: Final Touches

- Once all steps are set in place as desired, tighten down all of the bolts with locknuts on each step to stabilize and prevent rattling.
- Cut any excess Galvanized Pipe down and put caps on the tops

ADDITIONAL NOTES:

- Each site has unique characteristics. Consult an installer or professional engineer for advice on proper installation.
- Avoid direct contact with concrete, particularly fresh uncured concrete, creating a barrier between them will help avoid chemical reaction and corrosion. Barriers can be created with coatings, thick layer of caulk, or wood.
 - Professional installation is available. Contact us for a quote at info@EZBeachSteps.com.