

How To Install EZ Rail With Baseplates

Tools Needed:

1. Hammer Drill with 5/16" Masonry bit (carbide is best)
2. 5/16" x 2.5" sleeve anchor, can be found at local hardware store if not included
3. 3/16" hex key for post screw
4. 7/16" ratchet or wrench
5. Hammer
6. Vacuum and or Compressed Air

Note:

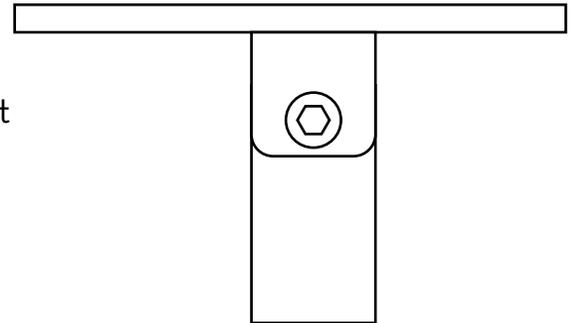
It is recommended to paint the rail before final installation. The rail comes primed and will need either latex or enamel paint. Recommended, is any Rustoleum paint. Apply at least 2 coats of paint following the manufactures directions.

You may notice down the road rust spots may start popping up (steel only). Be sure to address them by toughing them up with paint. If you keep up with it, the rail will last forever.

Step One:

Attach the posts to the rail by using the two screws on post and the brackets on the rail.

* Be sure to leave them loose, as they will need to pivot on the bracket.

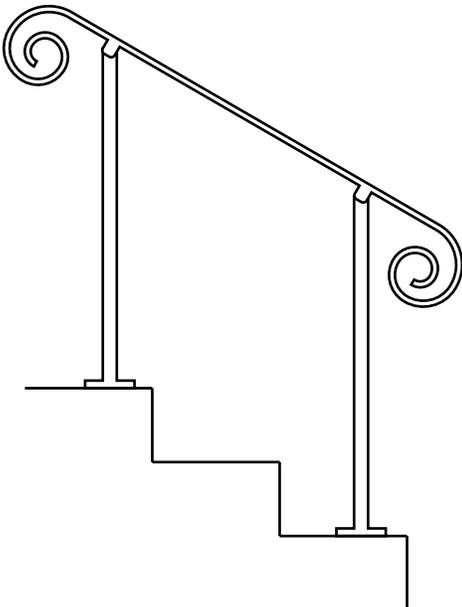


Step Two:

You will notice one end of the rail extends out further past the post than the other side, this will be the bottom post. Place the rail on the side of the stairs you prefer. The top post should sit on the landing and the bottom post on the bottom step.

You will want the center of the post around 4" back from nose and the side of the stair. This isn't terribly crucial, so put it where it fits best or where you feel comfortable putting it.

Once, you have it where you want, using a marker or pencil mark where the holes are on the ground. Alternatively, you can go ahead and drill about 1/4" into the ground to mark where the holes are.



Step Three:

When the holes are marked, remove the rail and drill roughly 2.5" straight down. It's important to drill at least 2.5" down, drilling it a bit more is completely fine. Be sure to drill as straight as possible. If you drill at an angle you won't get the best connection with the anchor bolt.

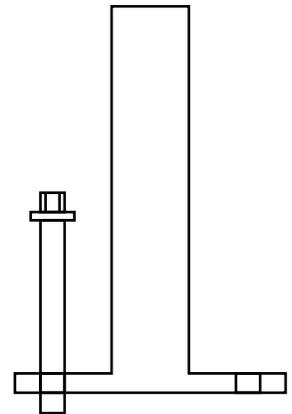
Once the holes are drilled go back with the drill and try and remove as much debris as possible in the hole by moving the drill up and down in the hole.

Next, vacuum up the debris around the hole try sucking it out of the hole. Using compressed air to blow it out is the best method.

Step Four:

Disassemble the posts for the rail. Position the posts above the holes. Place the anchor bolts into the holes through the plate and into the drilled holes. The anchors should only go in about a 1/2" into the holes by hand.

Make sure the nut is backed off enough so no thread is above it. Once the anchors are in the holes go ahead and hammer the anchors completely into the ground until the washer bottoms out on the plate.



* If the sleeve of the anchor starts to buckle while your hammering it, STOP. Do not continue to force it in. At that point the anchor is useless and you will need to replace it. This will happen if the hole was not drilled cleanly or if there is debris still in it. Go back and make sure the wall of the hole is clean and the debris is cleared.

Go around and start tightening the anchors until they are snug. Do not over tighten them, as the nut can shear off the top of the bolt if tightened too much. Once you start tightening them they will not come out, so make sure you are completely satisfied with them.

Once anchors are tightened, place the baseplate covers over the post. Assemble the rail to the posts and tighten the 2 top post screws. Once its all tight, you're done! Rest assured your stairs are now safe with an EZ Rail.

For installation videos visit, ez-rails.com/instructional-videos/

If you have any questions about your rail or the installation, give me a call
412-277-4443 or email me at Nick@ez-rails.com.

I am available from 8 am-5 pm EST Mon-Fri.