



Installing Side/Fascia Mounted Cable Railing Square Posts*

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Tools needed:

- 1) JB-Weld Glue (Available at your local Home Depot store for about \$5)
- 2) Mallet
- 3) ½", 1/8" and 9/32" cobalt drill bits
<http://www.harborfreight.com/29-piece-135-degree-split-point-cobalt-drill-bit-set-36891.html>
- 4) 2x4x4 piece of wood (stud)
- 5) Leveler
- 6) Fasteners (Lag Screws and/or anchor bolts for concrete, bolts, ...)
- 7) Tap/Die set metric or M8x1.25mm tapping tool
<http://www.harborfreight.com/catalogsearch/result?q=tap+metric>
- 8) Self-Centering Drill Press Jig <http://www.harborfreight.com/self-centering-drill-press-jig-92046.html>
- 9) Drill press <http://www.harborfreight.com/5-speed-drill-press-38119.html>
- 10) Sharpie pen or equivalent marking pen
- 11) Portable Drill press <http://www.harborfreight.com/5-speed-drill-press-38119.html>
- 12) Center Punch <http://www.harborfreight.com/spring-loaded-center-punch-621.html>

Harbor Freight physical stores are available nationwide
<http://www.harborfreight.com/storelocator/location/map>

Note: Due to the variety of floor surfaces, customers must supply the connecting hardware for the Fascia/Wall post brackets , i.e. screws, bolts, anchor bolts, etc.

Caution: Wear protective ANSI approved safety glass, working gloves and breathing mask all the time. © InlineDesign.com

Instructions:

As a general rule, you want to use the leveler on all installed hardware from all the sides.

Step 1: JB-Welding the screws to the end caps

- 1) Put some JB-Weld onto the bottom part of the supplied M8 hex screws like shown in the below picture



- 2) Screw in the bolt from the bottom side of the threaded end cap

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- 3) Let the glue cure for 24 hours

Step 2: Installing the Post Brackets

- 1) Install the wall mounted post brackets (make sure that they are properly leveled):
<http://inlinedesign.us/products/stainless-steel-post-bracket-square>
<http://inlinedesign.us/products/stainless-steel-corner-post-bracket-square>

Step 3: Cutting the top-rail tubing

Make sure to follow the sequence of the steps. Do not mount the posts then cut the tubing.

Refer to document <http://inlinedesign.us/instructions/Cutting-Stainless-Steel-Tubing.pdf> for cutting

- 1) Cut the supplied top rail according to the mounted post wall brackets. Make sure to take into account the size of the 90 degree flush angles <http://inlinedesign.us/products/stainless-steel-flush-angle-90-2> and the 180 degree flush angle <http://inlinedesign.us/products/stainless-steel-flush-angle-180>

Step 4: Tapping the top-rails

- 1) Mark your drilling points on the top rails for mounting the posts to the top rails
- 2) Center Punch your drilling points to minimize drill bit skidding

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- 3) Pilot Drill your marking points using the self centering jig, the drill press, the 1/8" drill bit and the cutting oil.
- 4) Drill your marking points using the self centering jig, the drill press, the 9/32" drill bit and the cutting oil.
- 5) Tap your drilling using the M8x1.25mm tapping tool size and the cutting oil.

Step 5: Mounting the threaded end caps to the posts

- 1) Lay the post in front of the wall bracket in the same direction that it's going to be installed
- 2) Screw in the M8 Screwed End Cap (from step 1) into the top rail



- 3) Mark the end cap like shown in the picture as well as the post



- 4) Screw out the M8 Screwed End Cap
- 5) JBWeld the inside of the tube where the end cap is going to be installed. (read the JBWeld instructions, like make sure to clean the inside of the tubing before applying the glue)

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- 6) Drill the 2x4x4 wood with the ½” drill bit like shown in the picture



- 7) Position the M8 Screwed End Cap to the top of the post following the previous marks
8) Position the piece of wood on top of the M8 Screwed End Cap and knock it with the Mallet until the end cap is all the way snug fit into the tubing



- 9) Let the glue cure for 24 hours



Step 6: Installing the cables

Refer to part 3 of <http://inlinedesign.us/instructions/Installing-Stainless-Steel-Railing-Posts-with-Cable-Tensioners.pdf>

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