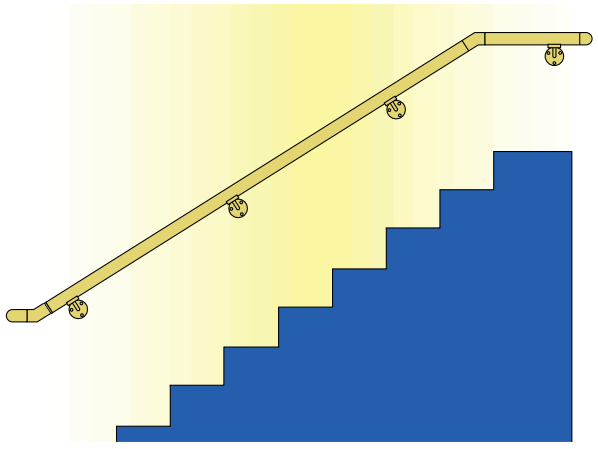
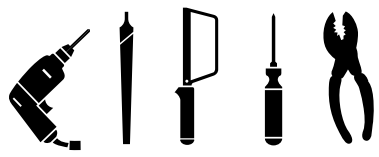
How to Install My Hand Rail



Do It Yourself Level

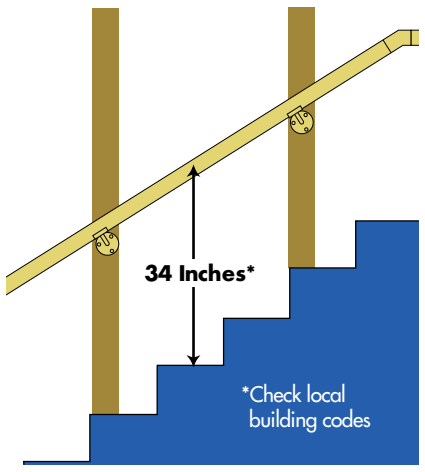
Easy **Moderate** **Complex**

Necessary Tools

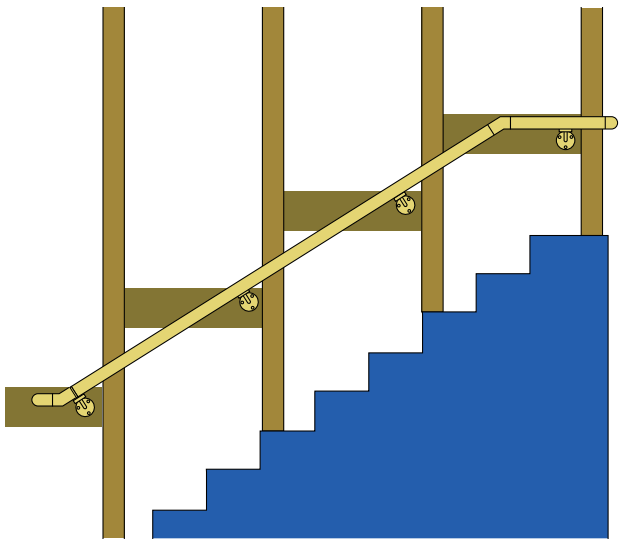


- Electric Drill/Electric Screwdriver
- Hack Saw/Cut Off Saw
- Phillips Screwdriver
- File
- Channel Lock Pliers

Plan

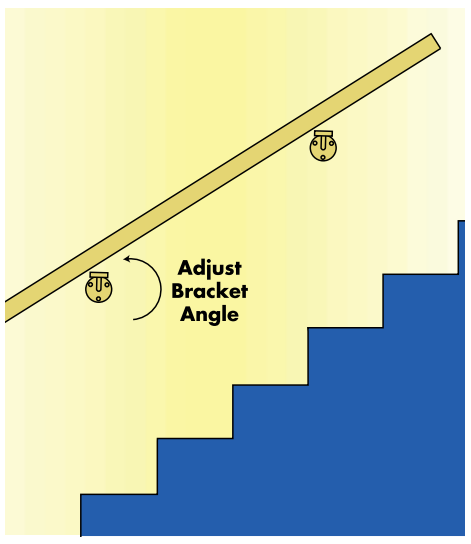


- Measure your staircase where you will be installing your handrail.
- Make a simple sketch of your handrail. The materials needed include tubing, handrail brackets, finials suited for handrails (606 and 608) and 730A angle. You may also need tube splices and elbows, depending on your specific project.
- Determine the length of the tubing and be sure to include the dimensions that the brackets and fittings may add or subtract from the overall length of the tubing.
- Create a detailed part list consisting of all parts and quanitites required. When calculating quanities of brackets required, place a bracket 6" from the tube ending and either side of an elbow. Then space equally throughtout the length of the rail. We recommend spacing the brackets 36" to 48" apart. In most cases, it is desirable to transition the handrail past the last stair, with a horizontal rail of 6" - 12" length. For each transition, use our 730A 147° angle.
- **Place your order!** (Our brackets include mounting screws for typical installations. (Your situation may require additional hardware.)



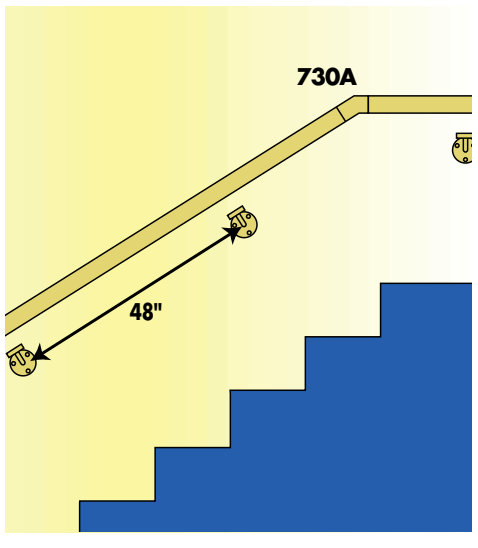
Preparation

- Mark the tube for the appropriate length for cutting. Double-check all measurements before cutting. See “How To Cut Tubing” Instructions.
- Please note that LIDO tubing comes wrapped in a layer of plastic film that should be left in place as long as possible during the installation process to protect the finish of the metal.
- Mark the location of your brackets with a pencil. The bracket must be anchored to a wall stud or to a solid backing of at least 3/4".
- LIDO’s 730A angle allows you to transition the rail to a horizontal direction, when the staircase has reached a landing or the next level. Proper termiontaion of the rail should be with a horizontal direction of 6" - 12" when the situation allows for it.
- Carefully read the instructions for the LIDO Weld® and Setscrews prior to installation.



Installation

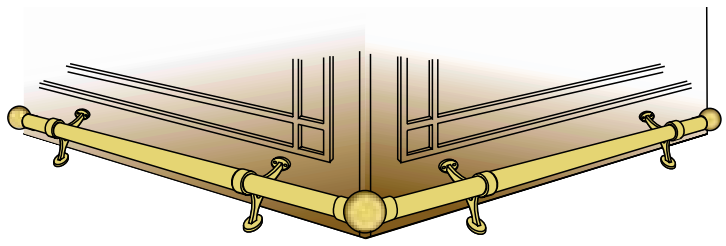
- Once you have the right height and position of the bracket, begin to attach the brackets loosely to the wall with one screw.
- Place the tube on the brackets and adjust the brackets for proper angle before you securely tighten the brackets to the wall with the rest of the bracket screws (provided.)
- Securely tighten tube to brackets with Setscrews.
- To secure finials or wall returns, apply a continuous bead of LIDO Weld around the interior surface of one part and press and rotate it into its mate.
- Once installation is complete, remove the existing protective plastic film from the tubing.
- Maintain the rich finish of your rail with LIDO-Lustre® metal polish.



Lavi Industries

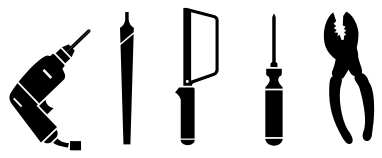
LIDO DESIGNS

How to Install My Foot Rail



Do It Yourself Level

Easy | **Moderate** | **Complex**



Necessary Tools

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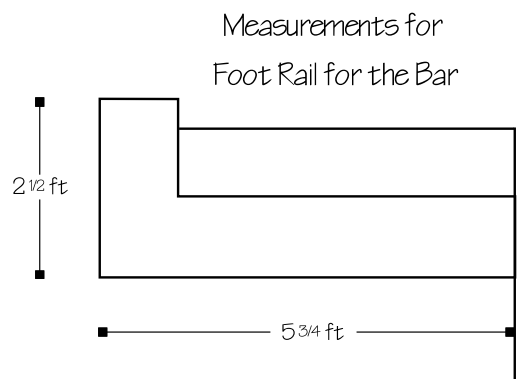
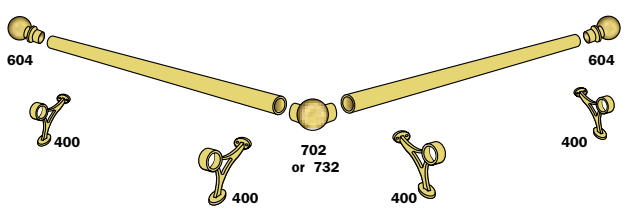
- Hack Saw/Cut Off Saw
- Phillips Screwdriver
- File
- Channel Lock Pliers



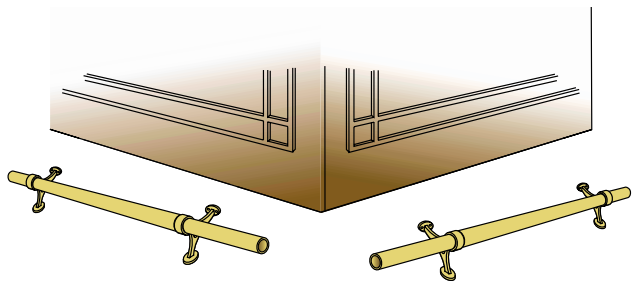
Plan

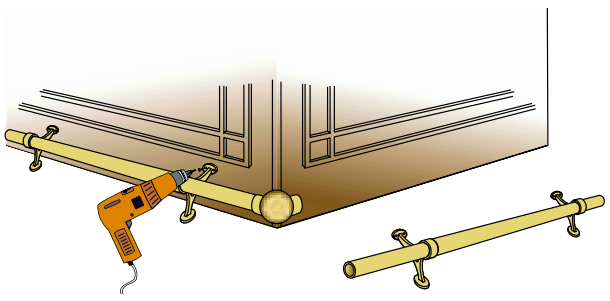
- Measure all sides of your bar or counter where you will be installing your foot rail.
- Make a simple sketch of your foot rail. The materials needed include tubing, foot rail brackets and finials. You may also need tube splices, elbows or wall flanges, depending on your specific project.
- Determine the length of the tubing and be sure to include the dimensions that the brackets and fittings may add or subtract from the overall length of the tubing.
- Create a detailed part list consisting of all parts and quantities required. When calculating quantities of brackets needed, place a bracket 6" from tube ending and either side of an elbow. Then space equally throughout the length of the rail. We recommend spacing the brackets 36" to 48" apart.
- Place your order! (Our brackets include mounting screws for typical installations. Your situation may require additional hardware.)



Preparation

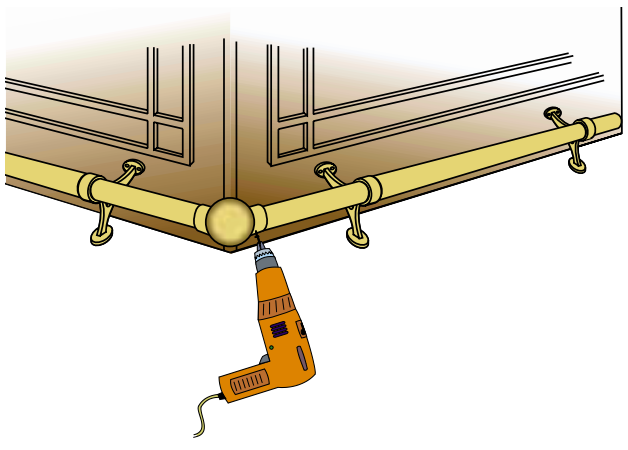
- Mark the tube for the appropriate length for cutting. When determining tube cut lengths, keep in mind that the splicing joints should be concealed within a bracket. Double-check all measurements before cutting. See “How To Cut Tubing” Instructions.
- Please note that LIDO tubing comes wrapped in a layer of plastic film that should be left in place as long as possible during the installation process to protect the finish of the metal.
- Loosely assemble the foot rail by sliding the tubing through the brackets without adding the setscrews.
- Mark the location of your brackets with a pencil. The bracket requires a solid backing at least 3/4".
- Carefully read the instructions for the LIDO Weld® and Setscrews prior to installation.

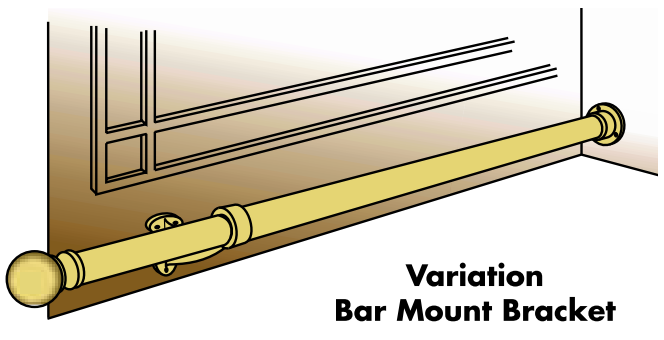




Installation

- Once you are satisfied with the “loose fit” assembly, begin to attach the brackets securely to the wall in the first straight section.
- If a corner occurs, first securely attach the elbow to the installed foot rail and then to the second loosely assembled foot rail section. Use LIDO Weld and Setscrews to attach the tubing to the elbow.
- The tubing will be attached to the brackets with setscrews. Elbows should be attached with LIDO Weld and/or Setscrews.
- To secure finials or end caps, apply a continuous bead of LIDO Weld around the interior surface of one part and press and rotate it into its mate.
- Once installation is complete, remove the existing protective plastic film from the tubing.
- Maintain the rich finish of your rail with LIDO-Lustre® metal polish.





Variation
Bar Mount Bracket

Variations

- In situations where you would prefer to mount a foot rail without the bracket resting on the floor, #402 bar mount bracket offers an excellent solution.
- When wall flange is used, slide the flange onto the tube before securing the section of foot rail to the bar. A flange may replace a support bracket if mounted to a solid backing.