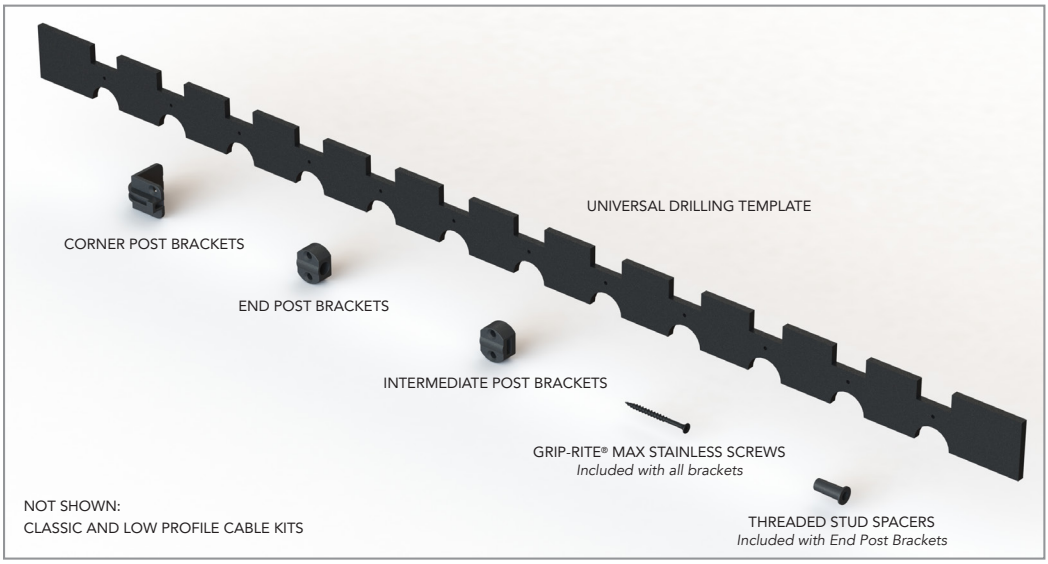
EXPRESS MOUNT BRACKET™

Installation Instructions

PRODUCTS FOR INSTALLATION



FOR A SUCCESSFUL INSTALLATION:

1. Check for required part quantities:
   36" posts = 10 brackets per post
   42" posts = 12 brackets per post
2. Always install the first bracket on end post of cable railing system.

   End Post – posts located at ends of cable runs

   Intermediate Post – posts in between end posts and / or corner posts

   Outside Corner Post – use corner post bracket

   Inside Corner Post – treat as end post

   Double Outside Corner Post – treat as 2 end posts

   Stair Top End Post – for inside corner treat as end post, for inline, treat as intermediate post

   Stair Bottom Post – treat as end post
3. For 36" rail heights, cut 8" off one end of drilling template to fit the posts.
4. For level sections, the brackets should be installed first, followed by the cable.
5. For stair sections, the End Post Brackets are installed first and the Intermediate Post Brackets are installed concurrently with the cable.

TOOLS REQUIRED:

1. Cordless Drill with T-17 Torx Drive Bit
2. Crescent Wrench or 7/16" Box Wrench
3. Hex Key - 1/8"
4. Level
5. Clamp
6. Pliers
7. Cable Cut-Off Tool
8. Cable Gripper

IMPORTANT:
Failure to properly follow provided instructions may result in unsafe performance of product. Verify local building code requirements before purchase and installation.

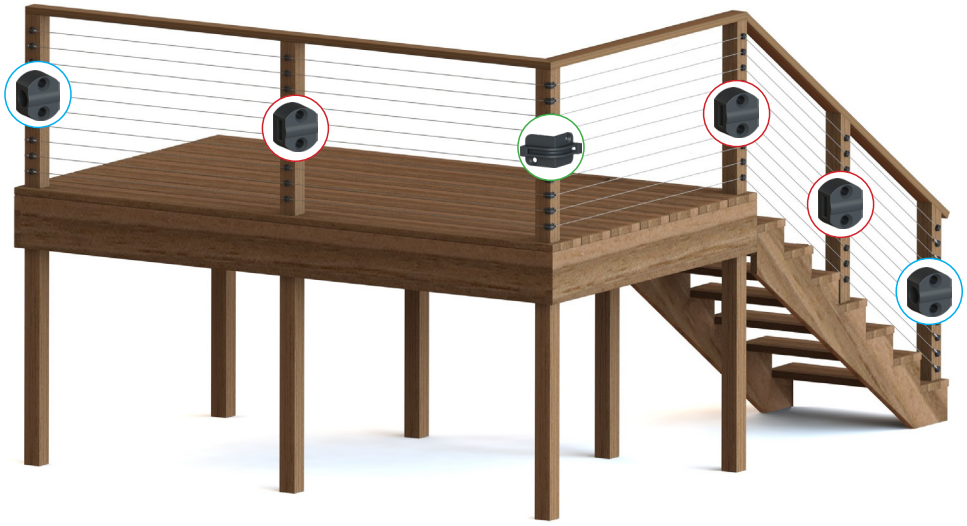
RailFX CABLE • SPECIALTY

PLAN YOUR PROJECT WITH EXPRESS MOUNT BRACKETS™

END POST BRACKET
20 per package

INTERMEDIATE POST BRACKET
10 per package

CORNER POST BRACKET
10 per package

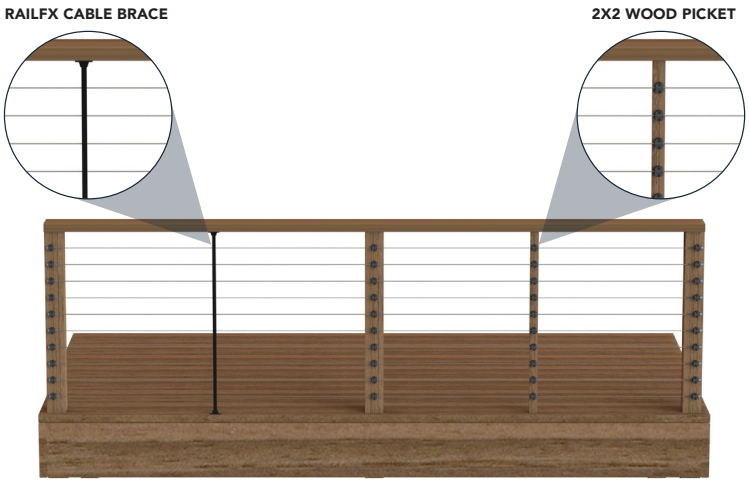


CABLE RAILING FRAMEWORK

WOOD POSTS: For wood posts a minimum 4x4 (3 1/2"-square) post is recommended to keep the post from bending when the cables are tensioned. You will need a top rail, and we recommend that it be reinforced with a support such as a 1x4 or 2x4 on the underside of the top rail. Posts must be securely mounted to the deck to prevent the post from coming loose when the cables are tensioned.

POST SPACING: Cables must be supported in some manner every 4'. If post spacing is greater than 4', we recommend installing a RailFX cable brace with pre-drilled holes or a 2x2 wood picket with Express Mount Intermediate Brackets (see illustration below). Note: If using a 2x2 wood picket and Express Mount Intermediate Brackets, you will need to use shorter screws than those provided.

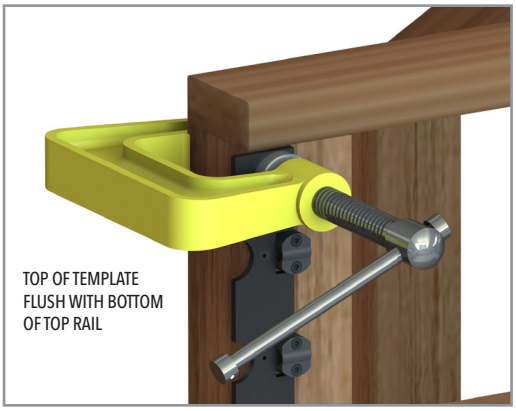
CABLE SPACING: In order to meet code requirements for cable railing, fittings and cable must be spaced and tightened so a four-inch sphere can't pass between the open area between each cable. Since properly installed cable railings may have some deflection, codes and best practices typically recommend cables be installed with 3 1/8" on center. When using the RailFX Universal Drilling Template, cables will be spaced 3 1/8" on center.



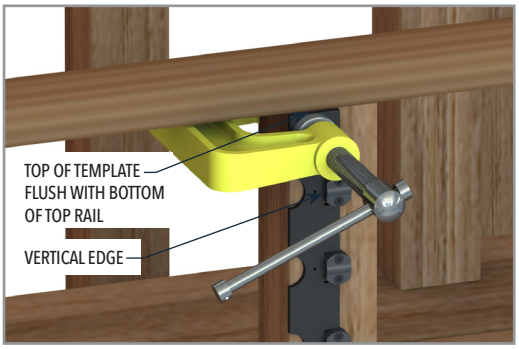
LEVEL EXPRESS MOUNT BRACKET INSTALLATION

IMPORTANT: For 36" rail heights, cut 8" off one end of drilling template to fit the posts.

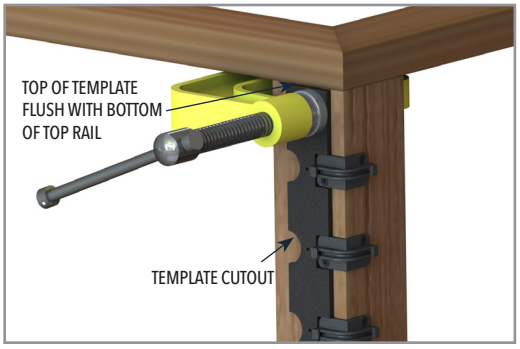
1. **END POST BRACKETS INSTALLATION:** Place the Universal Drilling Template on the exterior face of the End Post. For hardware to be hidden from interior view, offset Universal Drilling Template 1/2" from center of post AWAY from the cable run, i.e., if the cables are going to the right, offset the template to the left. Ensure the top of the template is flush with the underside of the top rail then clamp onto the post. Align and push the first End Post Bracket against the vertical edge of template and screw the End Post Bracket into the post using the included screws. Install the remaining end post brackets down the template and repeat this process for all end posts.



2. **INTERMEDIATE POST BRACKETS INSTALLATION:** Place the Universal Drilling Template on the exterior face of the Intermediate Post. Ensure the top of the template is flush with the underside of the top rail then clamp onto the post. Align and push each Intermediate Post Bracket against the vertical edge of template and screw into the post using the included screws. Repeat this for the other brackets down the template and on all intermediate posts.



3. **SINGLE OUTSIDE CORNER POST BRACKET INSTALLATION:** Place the Universal Drilling Template on the exterior face of the Single Corner Post. Ensure the top of the template is flush with the underside of the top rail then clamp onto the post. Center the top Corner Post Bracket on the template cutout and install the first screw, but do not fully tighten. Install the second screw into the Corner Post Bracket, then tighten both screws. Continue this process for all remaining brackets down the template.



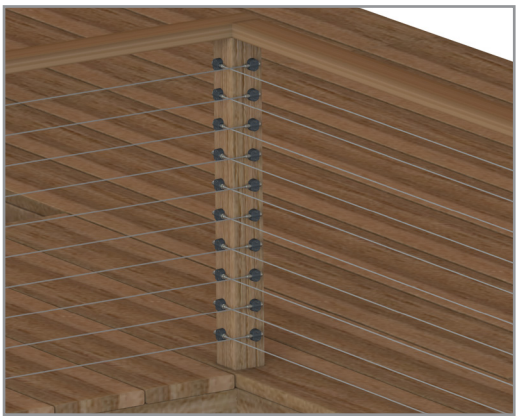
INSIDE CORNER POSTS

NOTE: For all inside corner posts, you will need to terminate and start another run of cable. See illustrations below.

***Pictures shown are view from outside the deck looking in:**

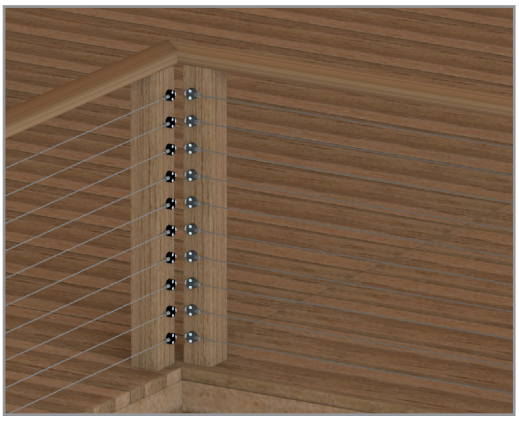
* **SINGLE CORNER POSTS:**

  NOTE: Brackets will need to be offset 1/8" from each other to accommodate the diameter of the cable.



* **DOUBLE CORNER POSTS:**

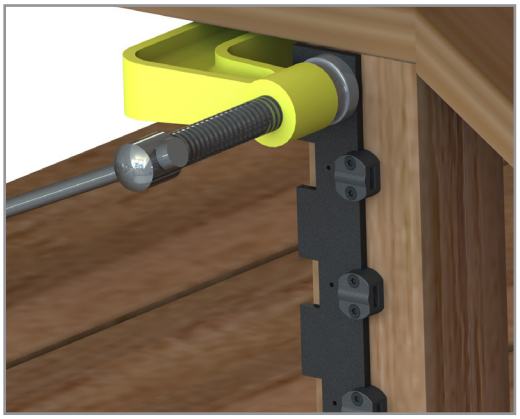
  NOTE: Double corner posts are treated as 2 end posts with End Post Brackets on each post.



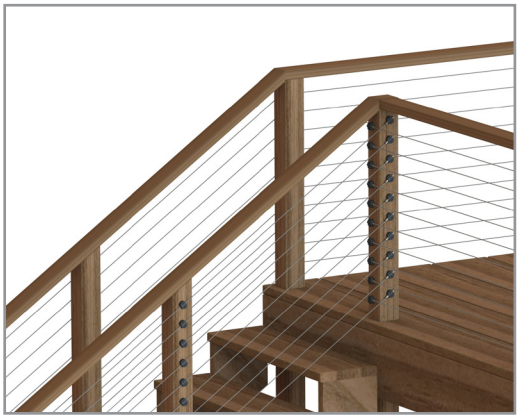
STAIR EXPRESS MOUNT BRACKET INSTALLATION

NOTE: For railing systems without stairs, skip this section. For railing systems using stairs, see below. For stairs, install the End Post Brackets first, followed by the Intermediate Post Brackets in conjunction with the cable installation.

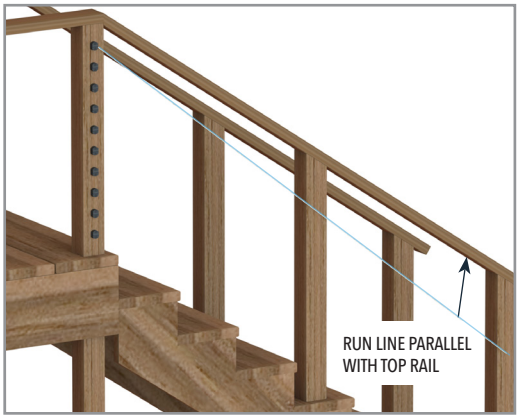
4. **STAIR TOP POST BRACKETS INSTALLATION FOR STRAIGHT RUNS WHERE THERE IS NO TERMINATION AT TOP OF STAIRS:** In this scenario, the top stair post is an intermediate post. At the top of the stair, place the Universal Drilling Template on the exterior face of the post. Ensure the top of the template is flush with the underside of the top rail then clamp onto post. Align and push each Intermediate Post Bracket against the vertical edge of the template and screw the brackets into the post. Install the remaining Intermediate Post Brackets down the template. This process should be repeated for all stair top posts without turns.



FOR SINGLE CORNER POSTS AT TOP OF STAIRS: In this scenario, the top stair post is treated as an end post. The horizontal run of cable will end on the exterior face of the post and then a second run of cable will be installed on the perpendicular exterior face going down the stairs. Go to the top stair post and place the Universal Drilling Template on the outside face of the post in the direction of the stair run. For hardware to be hidden from interior view, offset Universal Drilling Template 1/2" from center of post AWAY from the cable run, i.e., if the cables are going to the right, offset the template to the left. Ensure the top of the template is flush with the underside of the top rail then clamp onto the post. Align and push your first End Post Bracket against the vertical edge of template and screw the End Post Bracket into the post using only 1 screw at this time. Match the angle of the bracket with the angle of the top rail and then secure the bracket with the 2nd screw. Install the remaining brackets down the Universal Drilling Template while maintaining the angle of the brackets in relation to the top rail.



5. BOTTOM STAIR END POST BRACKETS INSTALLATION:
To determine the location of the top End Post Bracket, use a string or a length of cable and run it from the top bracket on the top stair post from Step 4 and string it down the stairs to the bottom stair end post. Adjust the string/cable until it is parallel to the top rail and screw in the top End Post Bracket in line with the string and bracket with 1 screw. Match the angle of the bracket with the top rail and string/cable and secure the bracket with the 2nd screw.

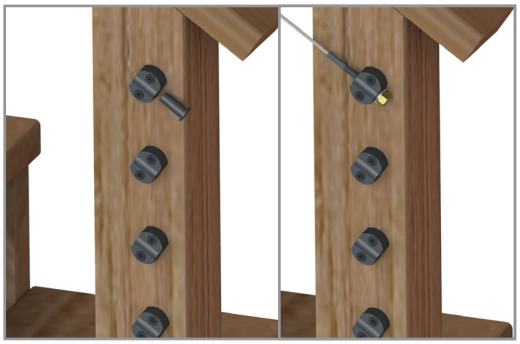


Once the first bracket is in the proper position, place the Universal Drilling Template on the post using the first bracket to index the template. Align and push each End Post Bracket against the vertical edge of the template and screw the End Post Brackets into the post in the same angle as the top rail. Install the remaining End Post Brackets down the template.

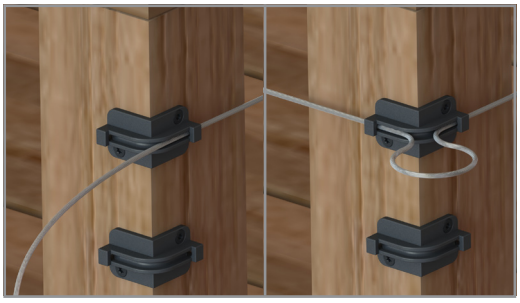
6. STAIR INTERMEDIATE POST BRACKETS INSTALLATION:
As previously mentioned, Intermediate Brackets are installed in conjunction with the cable run. Please go down to the appropriate cable kit section below for details on the stair Intermediate Post Bracket install.

RailFX CABLE • SPECIALTY

INSTALLING CLASSIC CABLE KIT

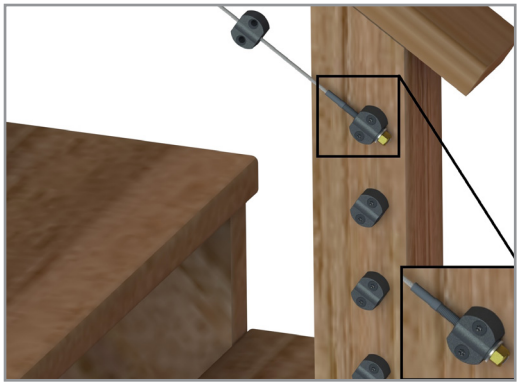


1. **STARTING THE CABLE RUN:** Install Threaded Stud Spacers into the End Brackets, then thread the cable through the first End Post Bracket. Install washer over cable stud. Screw brass locknut onto threaded stud.



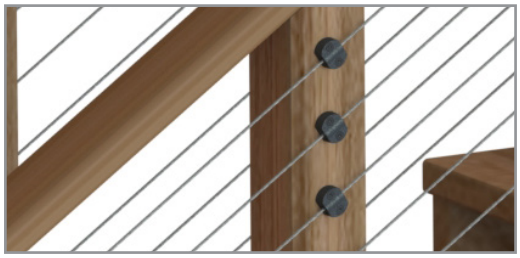
2. **LEVEL INSTALLATION:** Continue to thread the cable through each of the brackets installed on the posts.

   NOTE: When running cable through Corner Post Brackets, pull cable fully through one of the holes first. Then feed the cable through the other hole in the bracket and pull the cable all the way through.



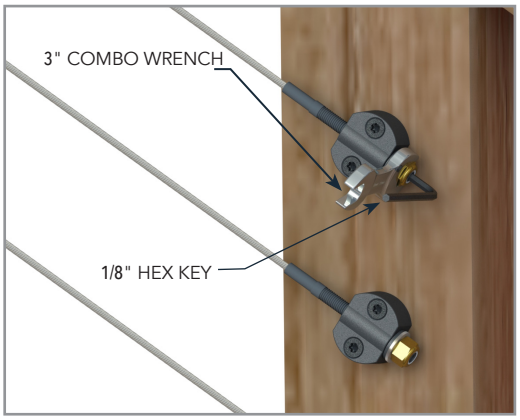
FOR STAIR INSTALLATIONS ONLY: After the cable is run through the first End Post Bracket, slide the matching number of Intermediate Post Brackets for each stair intermediate post onto the cable. Be sure to orient the brackets properly so the countersinks face outwards.

3. **ENDING THE CABLE RUN:** Feed cable through Pull-Lock® Hardware. While pressing on the backside of the Pull-Lock®, pull cable through further by hand. Continue feeding all cables through the hardware.



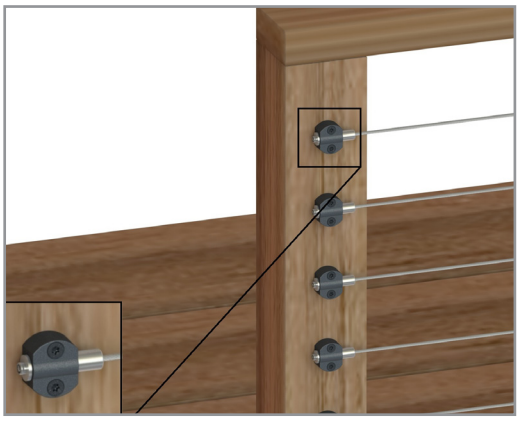
FOR STAIR INSTALLATIONS ONLY: Once the cable run is complete, the freely sliding Intermediate Post Brackets can now be centered on each stair intermediate post and secured into place with 2 of the included screws.

4. **TENSIONING THE CABLE RUN:** After all cables are pulled through the hardware, secure brass locknut on the threaded stud using the 3" Combo Wrench and insert 1/8" hex key to hold cable into position. Tighten the brass locknut, ensuring the cable does not rotate. Tension all cables to specified tension of 225 lbs.



5. **CUTTING OFF EXCESS CABLE:** After tensioning all cables, use Cable Cut-Off Tool to cut the cables at the end of the Pull-Lock® hardware.

CABLE CUT-OFF TOOL

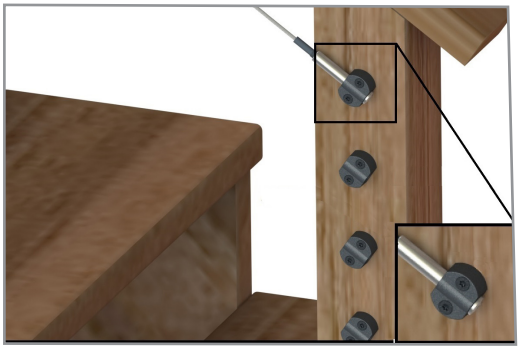


6. **COVERING THE CABLE ENDS:** Install Pull-Lock® covers by snapping into place.

7. **COVERING THE CABLE ENDS:** Push End Caps over Brass Locknuts.

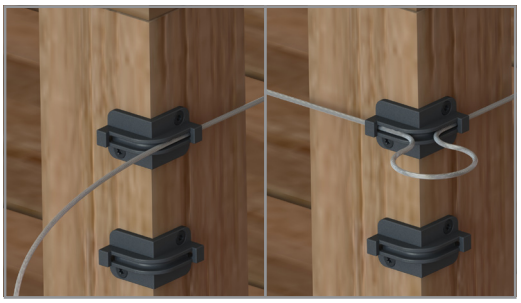
INSTALLING LOW PROFILE CABLE KIT

1. **STARTING THE CABLE RUN:** Install Receiver into the End Bracket. Twist the cable stud into Receiver and rotate to secure cable.

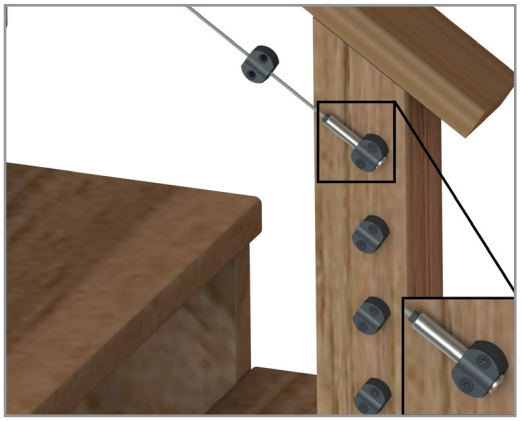


2. **LEVEL INSTALLATION:** Continue to thread the cable through each of the brackets installed on the posts.

   NOTE: When running cable through Corner Post Brackets, pull cable fully through one of the holes first. Then feed the cable through the other hole in the bracket and pull the cable all the way through.

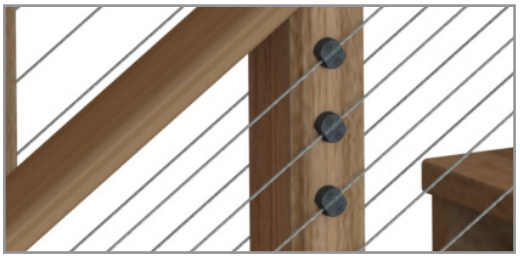


   FOR STAIR INSTALLATIONS ONLY: After the cable is run through the first End Post Bracket, slide the matching number of Intermediate Post Brackets for each stair intermediate post onto the cable. Be sure to orient the brackets properly so the countersinks face outwards.

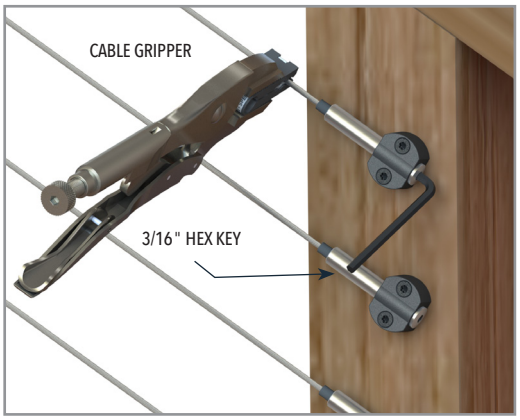


3. **ENDING THE CABLE RUN:** Feed cable through Pull-Lock® Hardware. While pressing on the backside of the Pull-Lock®, pull cable through further by hand. Continue feeding all cables through the hardware.

   FOR STAIR INSTALLATIONS ONLY: Once the cable run is complete, the freely sliding Intermediate Post Brackets can now be centered on each stair intermediate post and secured into place with 2 of the included screws.

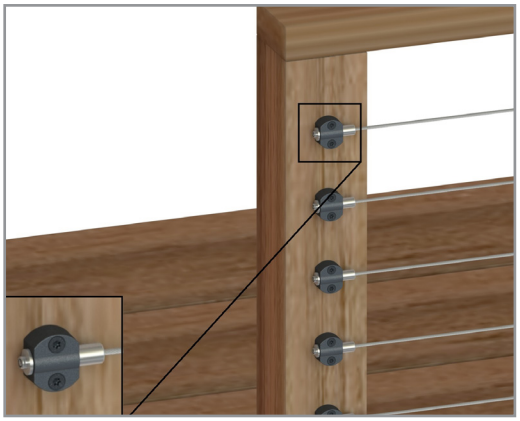


4. **TENSIONING THE CABLE RUN:** To tension the cable, lock Cable Gripper over the cable to keep it from rotating. Insert a 3/16" hex key at the end of the receiver and rotate to tighten the cable in the receiver. Tension all cables to specified tension of 225 lbs.



5. **CUTTING OFF EXCESS CABLE:** After tensioning all cables, use Cable Cut-Off Tool to cut the cables at the end of the Pull-Lock® hardware.

CABLE CUT-OFF TOOL



6. **COVERING THE CABLE ENDS:** Install Pull-Lock® covers by snapping into place.