

VERTICAL CABLE INFILL



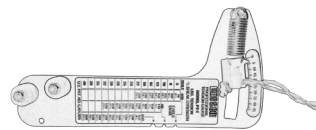
INSTALLATION GUIDE



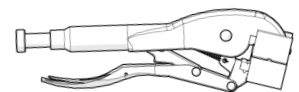
RECOMMENDED TOOLS

- Safety Glasses
- Tape Measure & Pencil
- Level
- Drill & Bits ($\frac{1}{4}$ " , $\frac{3}{16}$ " , $\frac{1}{32}$ ")
- Hammer Drill (if concrete)
- Fine-Tooth Aluminum Saw
- Rubber Mallet
- Socket Wrench & $\frac{7}{16}$ " Socket
- Stainless Steel Cable Cutters

AVAILABLE FROM KEYLINK



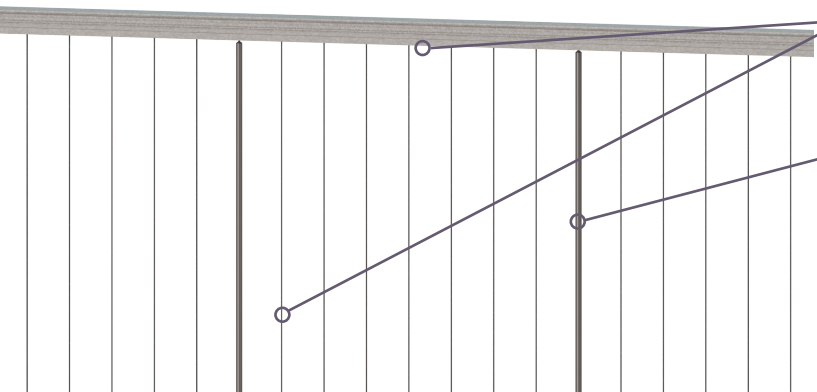
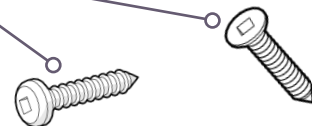
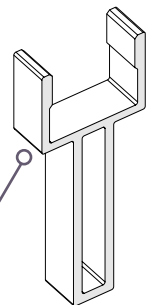
Tension Gauge



Cable Gripping Pliers

WHAT'S INCLUDED

- Top & Bottom Rail w/ Cable Hardware
- Top Level Bracket
- Bottom Level Bracket
- Mounting Brackets & Screws (Posts, Caps, & Trim packaged separate)
- Stainless Steel Support Rods
- Snap-on Section Support (For sections over 6')
- #10 Pan-head
- #12 Flat-Head



KFRIG220525

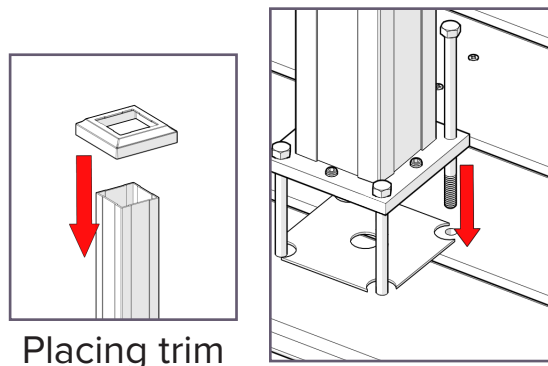
1

1 INSTALL THE POSTS & POST TRIM

Position the posts according to the supplied section lengths, or where preferred and the section will be cut to length. Place leveling plates between the posts and the mounting surface as shown.

Attach posts to the mounting surface using bolts or lags, according to local building codes. Tighten until snug, then use a 3/16" hex key to turn the leveling set screws to level the posts. Once level, finish tightening the bolts or lags.

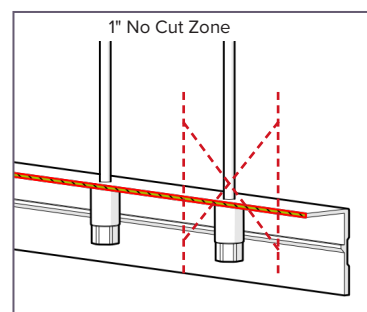
■ Note: If installing the Chesapeake top rail option, see addendum



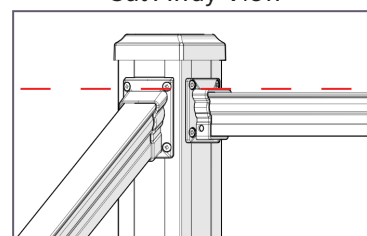
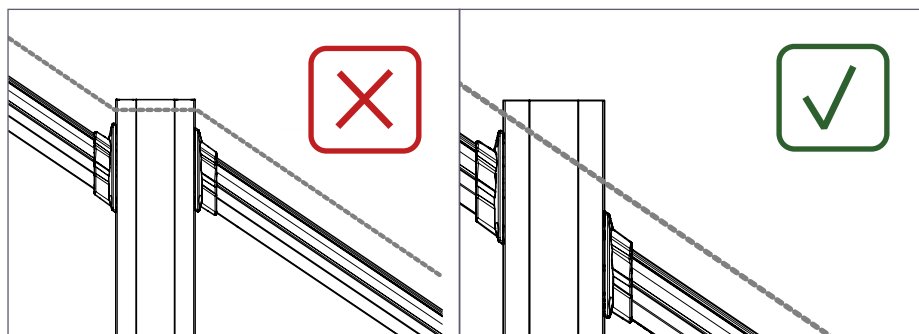
Placing trim

2 CUT THE SECTION TO LENGTH

If necessary, cut the section to length with a fine-tooth aluminum blade. Measure between posts and subtract 1/4" to determine the cut length, then cut equal amounts from each end. Do not cut the cable hardware! If cutting close to a cable, remove the cable before cutting. When measuring to cut stair sections, be sure to keep the top of the stair rail even with the level section as shown.

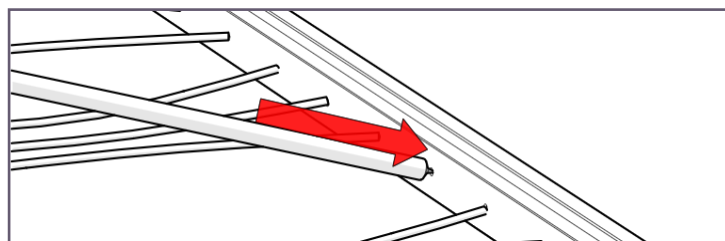
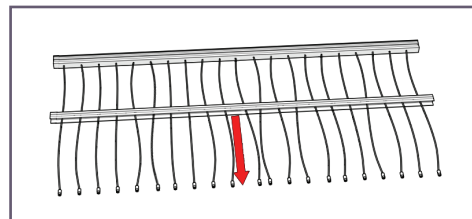


Cut Away View



3 PREPARE THE SECTION

Place the section onto a nonmarring surface and fully extend the rails. Refer to the chart below to determine the required number of support rods. Determine an even spacing in the section for the support rods, then remove the unnecessary cables and insert the support rods in their place. Secure the support rods by hand tightening the flange nuts located next to each rod.

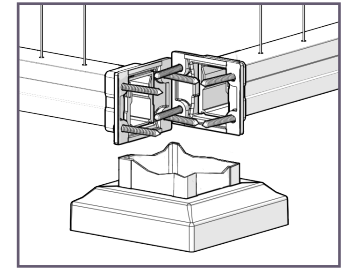
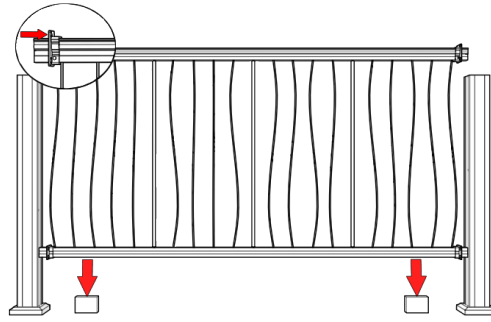


# of Support Rods	Length of Section
1	19" to 38"
2	39" to 57"
3	58" to 76"
4	77" to 95"

4 PLACE THE SECTION

Install the brackets onto the rails, then set the section in place on top of 2 1/2" spacer blocks. If using 2 1/2" corner posts, it may be necessary to offset the rails by 1/8" to avoid screw interference inside the post.

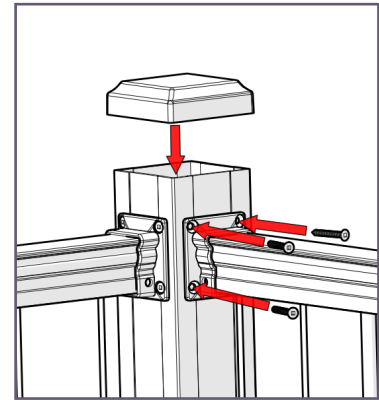
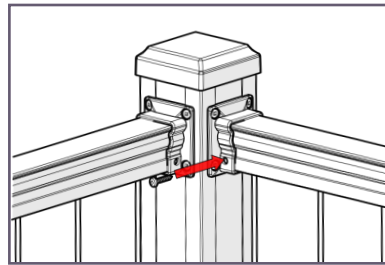
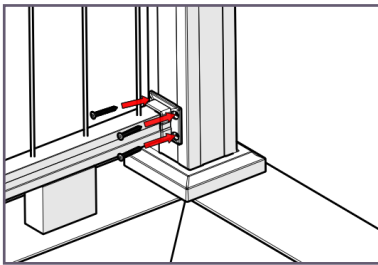
Ensure the top rail is the correct height from the mounting surface.



2 1/2" Post: 1/8" offset shown

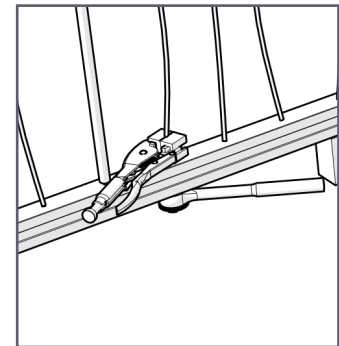
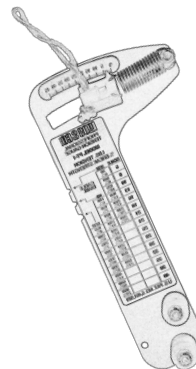
5 INSTALL THE SECTION

Secure the self-centering brackets to the posts using the provided #12 flat head screws. Next, ensure the section is centered between the posts, and attach the rails to the brackets using the provided #10 pan-head screws. Finally, use a rubber mallet to install the post caps.



6 TENSION THE CABLES

Tension each cable using a Keylink Cable Gripping Pliers and 7/16" socket wrench, as shown. First, tension cables next to posts and support rods to #18 on the gauge, then tension the remaining cables to #14 on the gauge. See below for a suggested tensioning sequence.



NOTE: It is important to grip each cable firmly while tensioning to prevent it from twisting and tensioning improperly.



- # = 180lbs. of tension (#18 on a Keylink Tension Gauge, other gauges may vary)
- # = 125lbs. of tension (#14 on a Keylink Tension Gauge, other gauges may vary)

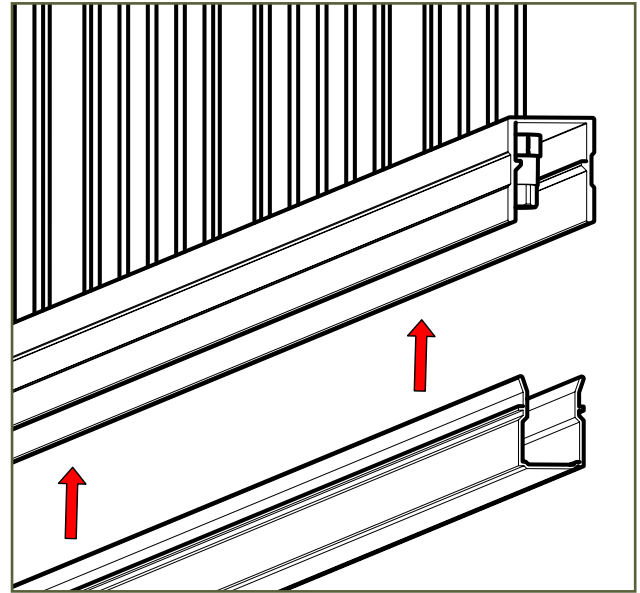
7 FINISH THE SECTION

Install the provided vinyl insert into the bottom rail of the section. Apply pressure until it clicks, indicating that it has securely locked in place. It should be entirely within the bottom rail of the section.

On sections longer than 6', install the section support by snapping it onto the bottom rail. It should be centered between the posts.

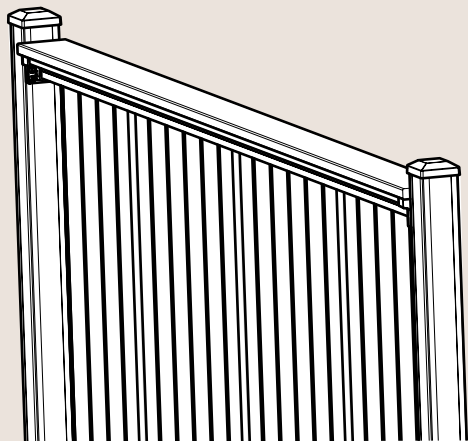
Clean the cable with a rust and stain remover. Keylink recommends Boeshield's Rust Free® Rust and Stain Remover. Do not use mineral acids or bleaches.

Once clean, apply a thin coating of Boeshield T-9® Waterproof Rust & Corrosion Protection. For more information about cleaning and maintenance, visit the Resources page on the Keylink website.



CHESAPEAKE SERIES

RAIL OPTION | VERTICAL CABLE



WHAT'S INCLUDED

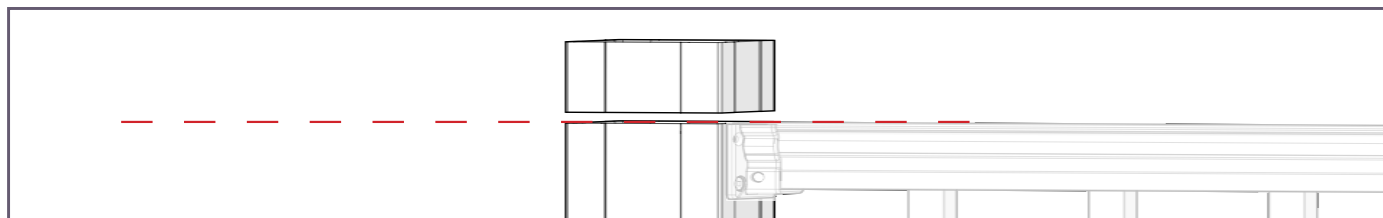
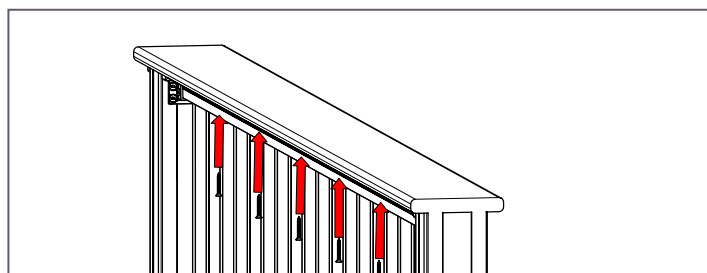
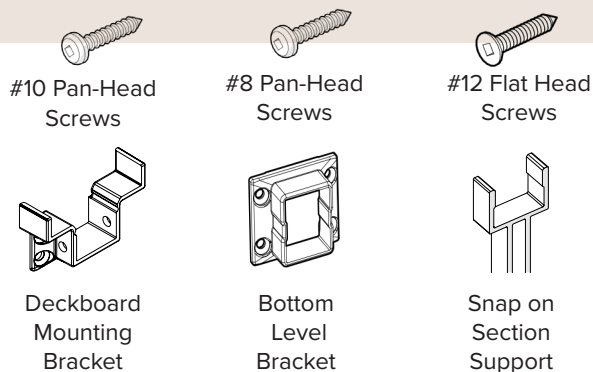
- Top and Bottom Rail w/ Cable Hardware
- Mounting Brackets
- Snap-on Section Support (For 8' Sections)
- (17) #12 x 1" Self Drilling Flat Head Screws
- (15) #10 x 3/4" Self Drilling Pan Head Screws
- (15) or (19) #8 x 3/4" T17 Pan Head Screws

CUT POSTS TO HEIGHT (OPTIONAL)

If deckboard will be installed over top of the posts, cut the posts down to the top rail height prior to their installation. Otherwise, deckboard can only be installed in between posts.

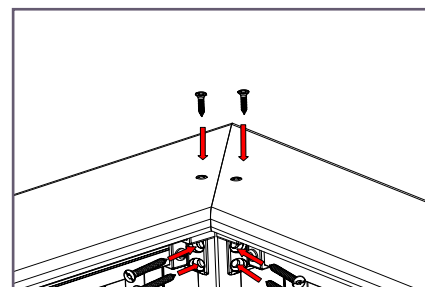
INSTALL DECKBOARD (OPTIONAL)

Using the supplied #8 x 3/4" T17 pan head screws fasten the deckboard (not supplied) to the top rail from beneath by using the predrilled holes of the top rail. If the top rail has been cut necessary.



CORNER INSTALL RECOMMENDATION

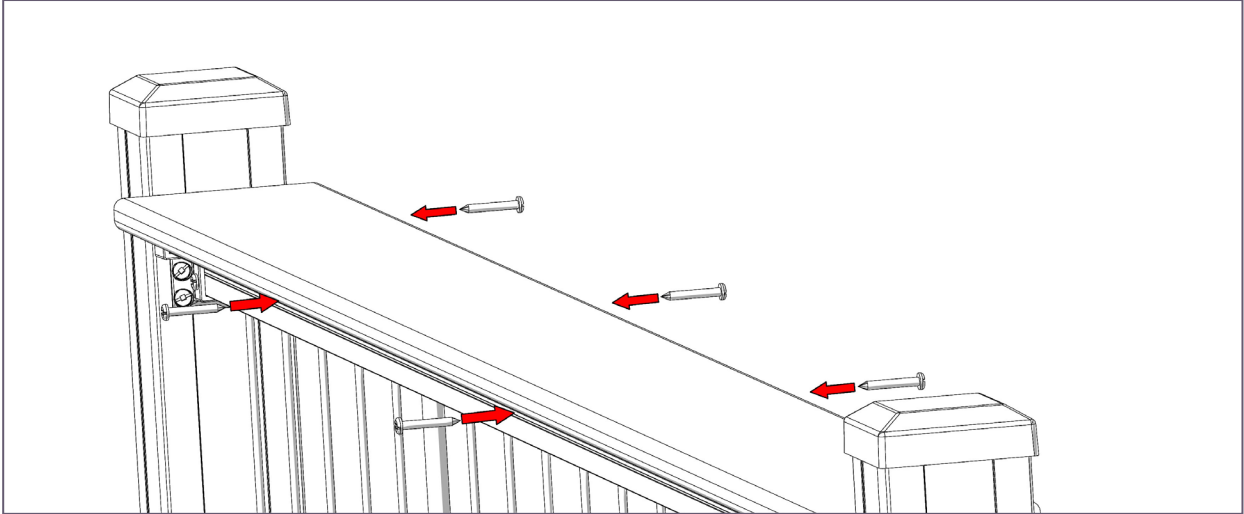
When installing the corner of a railing it is recommended to insert a wood block in the top of the post. Cut the block to fit snugly in the post, then secure it using the screws that attach the top brackets. Next screw from the top down, through the deckboard, into the wooden block. This will ensure the edges of the deckboard do not lift up.





CABLE INFILL INSTALLATION

When installing any cable infill, it is necessary to fasten the top snap cap rail to the top rail using the provided #10 x 3/4" pan head self drilling screws at center and each quarter point locations of the rail as shown in the image below. These additional screws allow the cable infill sections to meet IBC/IRC test requirements.



1. These directions are only a guide and may not address every situation.
2. Always wear proper safety equipment while assembling and installing.
3. The installer should obtain all required building permits and follow all installation procedures in accordance with applicable building code requirements.
4. Keylink, Inc. shall not be held liable for improper or unsafe installations.
5. Applying paint, other than Keylink's touch up paint, will void your warranty.
6. To ensure proper coverage by our warranty please visit our website and complete the warranty form and mail to: Keylink, 110 Peters Road, New Holland, PA 17557



WARNING: This product can expose you to chemicals including Quartz (crystalline silica), which is known to the State of California to cause cancer, and Hexavalent Chromium, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.



KEYLINK



110 Peters Road, New Holland, PA 17557

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