BIOSHIELDUV®

CR Handrail Wall Extension Kit Installation Guide

MODELS COVERED **HR4Ext**

⚠ **Read every instruction and every safety message in this guide before you install or service this product.** Keep this guide with the equipment.

> Lisez toutes les instructions et tous les messages de sécurité avant d'installer ou d'entretenir ce produit. Conservez ce guide avec l'appareil.

⚠ WARNING

Improper installation can lead to failure of the rail system, which can cause serious injury or death. You and your installer make the final determination of the means and methods appropriate for your site. If you are unsure or uncomfortable with any step, hire a licensed and bonded contractor.

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Safety precautions

Read every message in this section before you touch any component. They apply to every model this guide covers and to every installation surface.

WARNINGThe hardware we ship may not be the hardware your site needs — Please make sure the hardware and tools we provided will be right for your install (read the means & methods disclaimer). IT IS POSSIBLE YOU NEED DIFFERENT HARDWARE & METHODS.

Please take your time to do your installation. If you are unsure or uncomfortable with the installation, we highly recommend hiring a licensed and bonded contractor.

CAUTIONCut the rail short, not long — Measure and cut the top rail and the middle rail to the measured length MINUS 1/4". A rail cut to the exact measurement will not seat in the connector.

Means and methods disclaimer

In no event shall CR Fence & Rail Inc have any responsibility, control over, charge of, responsibility, or liability for the means, methods, techniques, sequences, or procedures, or for safety precautions in connection with the installation of the railing, since these are solely CM/GC's, Subcontractor's, and Owner's responsibilities.

Each installation site differs widely ranging from the construction & condition of attachment points, local building & safety code, local construction code, and local means & methods.

CR Fence & Rail Inc's installation guide (whether it be in text, illustration, video or in support discussion) constitute for ideal installation condition. There is no ideal installation in real life. There is no substitution for consulting a local licensed contractor, architect, engineer, nor code inspector.

CR Fence & Rail Inc's installation hardware and tools are provided as building material and does NOT constitute as the specific nor final installation hardware. Once again, you and your installer must make the final on-site determination to the specific means and methods of installation appropriate for your installation.

Following CR Fence & Rail Inc's instruction does NOT constitute as proper installation as you and your installer must make the final means & method determination. Improper installation can lead to failure of rail system which can cause serious injury or death.

If your printed booklet names a different company in this clause, this page is the current one: CR Fence & Rail Inc is the registered entity. Earlier printings carry an out-of-date name.

Time and tools required

Time required

- 60 minutes total — the eight steps below are 5 to 15 minutes each

Tools required

- Drill gun
- Leveler
- Abrasive saw

Installing the wall extension

1 Measure the rails

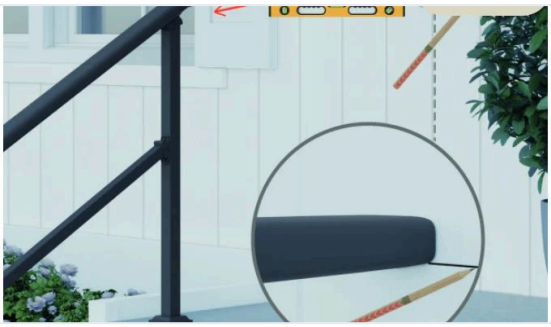
For the top rail, measure from inside the connector to the wall. For the middle rail, measure from the post to the wall. Cut the measured length minus 1/4" for both rails.

2 Remove the end cap and insert the adjustable connector

Remove the top rail end cap, and insert the adjustable connector.

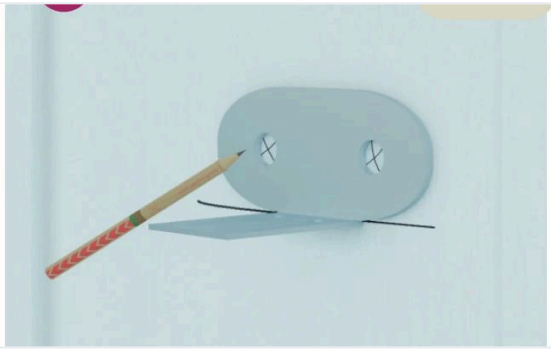
3 Bring the top rail to horizontal and mark the wall

Insert the top rail into the connector and bring it down to the horizontal position — use a leveler — then mark the position of the bottom of the rail on the wall with a pencil.



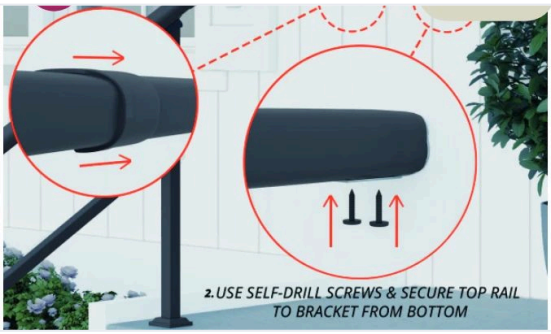
4 Set the wall bracket

Position the wall bracket aligned with the marking and mark the 2 holes with a pencil. Next, drill and secure it by inserting screws — see the drilling guide below.



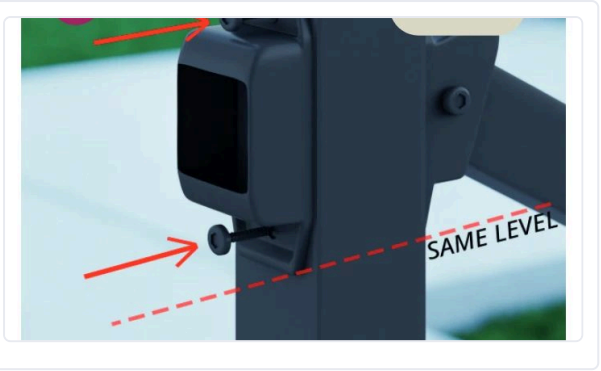
5 Insert the top rail and the wall connection cover

Insert the top rail, slide the wall connection cover into the rail with the thin side facing in, and let the handrail rest horizontally on the wall bracket. Now insert two self-drilling screws through the wall bracket and into the handrail to secure it in place.



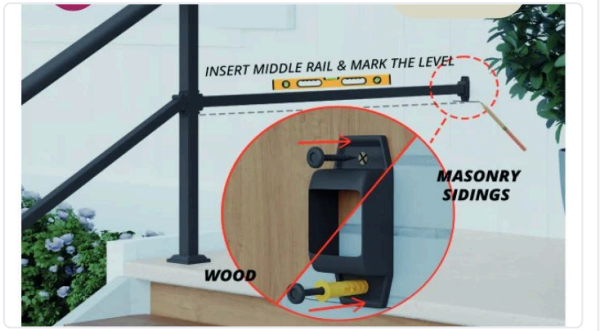
6 Fit the middle rail bracket at the post

For the middle rail, position the bracket directly opposite the handrail's middle railing bracket. Secure it with two self-drilling screws.



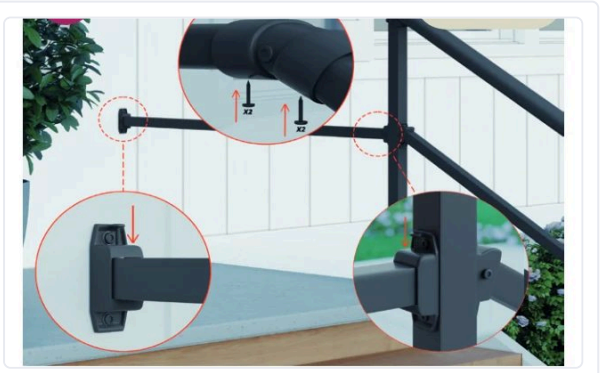
7 Set the middle rail wall bracket

Insert the middle rail into the bracket, mark the horizontal position on the wall using a leveler, and install the wall bracket for the middle rail. For the drilling instructions, see the drilling guide below.



8 Secure the rails

Secure the rail using the self-drilling screws provided. For the top rail connector, use 2 screws on each end on the bottom side. For the middle rail bracket, use 1 screw on the narrow side. Screw in tight enough that the screw head meets the metal.



Attachment drilling guide

M Masonry

(1) Using the provided masonry drill bit, drill holes into the two spots previously marked with your pencil. (2) Hammer in the provided masonry wall anchors. (3) Using the screws provided with the masonry wall anchors, put a washer onto the screw and secure the bracket in place.

W Wood

Using the screws provided with the masonry wall anchors — but WITHOUT using the anchor — put a washer onto the screw and secure the bracket in place.

5-year warranty

Register your product within 30 days to activate the warranty.

To view our full warranty policy, visit www.fencerail.com/warranty.

Need help?

We are here to help you get it right. Text us a photo of the problem — it is the fastest way for us to see what you are looking at.

> **Call or text with photos:** (800) 420-0432
>
> **WhatsApp:** (775) 324-8877
>
> **Missing parts?** We will replace them free — www.fencerail.com/parts

We can help with

- Connecting multiple railings
- Technical drawings
- Complicated installations
- Installation error
- Missing parts

Source of this guide: Transposed from the shipped Extension Installation Guide (2 pages), read from its own text layer.