

QuickRail® Stair Rail Kit

Installation Instructions

Figure 1

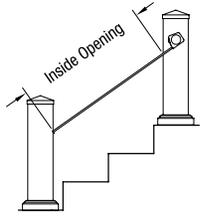


Figure 2

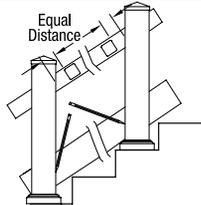


Figure 3

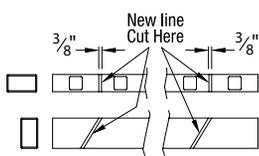


Figure 4

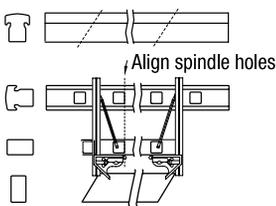


Figure 5

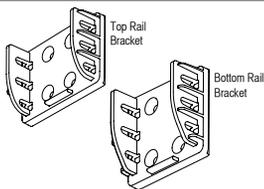
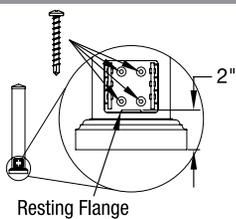


Figure 6



Before You Begin: Important Information

- The Rail Kits with structural inserts include shorter spindles to accommodate the structural insert in the top rail.
If you are working with multiple rail kits, do not mix the spindles between kits.
- The 10' Rail Kits should **NOT** be attached directly to the 4" Complete Post Kit or Post Sleeve. The 10' Rail Kits should only be attached directly to the supporting construction. (i.e. support column or wall)
- The mounting brackets and covers included in this kit are designed for stair applications with a 30 - 40° slope.
- To meet residential building codes, both Square and Colonial Spindles are spaced a nominal 3 1/8" apart.
- No finishing is required. Painting QuickRail products is **NOT** recommended and will void the warranty.
- A full line of additional QuickRail accessories is available to complement the Stair Rail Kit and is sold separately.

Installation

Measure the inside opening between the mounting surfaces to verify that the opening is not wider than the length of the rails provided (**Figure 1**).

Lay the bottom rail on the stair tread with the spindle holes facing up. Allow the rail to extend past the mounting surface at the top and bottom of the stairs. Align the rail between the mounting surfaces, placing the first spindle hole on each end of the rail the same distance from the mounting surface (**Figure 2**). **Note:** Should the spindle holes fall inside or directly beside a mounting surface, slide the rail in either direction to align spindle holes evenly between mounting surfaces. When properly positioned, mark both ends of the bottom rail where it crosses the mounting surface. Make another mark 3/8" in toward the center of the rail from each mark made previously. Using this second set of marks, cut the rail to length and angle (**Figure 3**).

To mark the top rail, lay it beside the bottom rail, align the spindle holes, and mark both ends of the rail. Cut the top rail to the same length and angle as the bottom rail (**Figure 4**).

Locate the two bottom rail mounting brackets. **Note:** There is a difference between the mounting brackets. The top brackets are shorter and wider than the bottom brackets (**Figure 5**). Using eight of the 1 1/2" screws supplied, install the two bottom rail mounting brackets onto each mounting surface with the resting flange 2" from the mounting surface if using traditional 2" clearance (**Figure 6**). If the mounting brackets are being mounted on posts, they should be centered on the posts. **Note:** If using a cordless drill to attach the brackets to the mounting surface, be careful not to strip the screws.

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Tools Required



Actual Rail Lengths

Nominal	Square Kit	Colonial Kit
6'	78"	78"
8'	102"	102"
10'	126"	126"

Warranty Information

For complete warranty details and exclusions, visit the Product Support section at www.fypon.com.

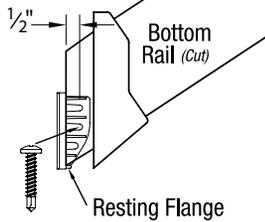


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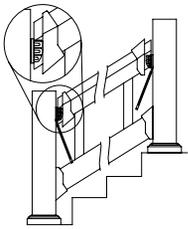
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Figure 7



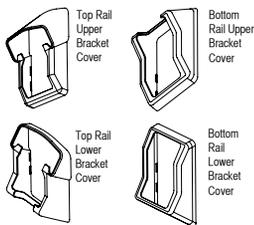
If the Stair Kit comes with a crush block, it should be trimmed at this time. The height of the crush block will need to be determined by the installer. **Note:** Spindle lengths are sized for a traditional 2" clearance from bottom rail to mounting surface. Once the block is trimmed, insert it into the pre-cut hole on the underside of the bottom rail.

Figure 8



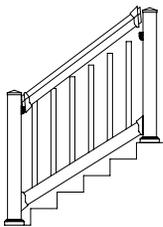
Slide the bottom rail upper & lower bracket covers onto the respective ends of the bottom rail. Position the rail so it can be attached to the mounting brackets, making sure the rail sits on the resting flanges. Install two of the supplied 1" long screws into each mounting bracket (1 on each side) in the middle slot of the brackets. The screws should be located as close to the radius end of the slot as possible, which is approximately 1/2" from the end of the rail (Figure 7). **Note:** If using a cordless drill, be careful not to strip the screws. Slide the covers toward the post until they snap on to the mounting brackets. An audible "click" should be heard, signifying that the covers are now secure.

Figure 9



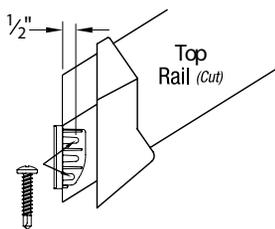
To determine the location of the top rail mounting brackets, insert two spindles in the bottom rail, one in each of the pre-cut holes that are closest to each end of the rail. Slide a top rail mounting bracket on each end of the top rail. The lower bracket should be pushed up as far as possible on the rail end (bottom of rail should NOT be resting on the resting flange) and the upper bracket should be positioned so that the bottom of the rail is sitting on the resting flange. Place the rail on the spindles, inserting the two spindles into the respective pre-cut holes in the top rail. Push down on the top rail to make sure it is resting securely on top of the spindles. Before marking the locations of the mounting brackets, make sure the spindles are plumb. Using a pencil, mark the location of the mounting brackets so they can be attached to the mounting surface (Figure 8). Remove the top rail and top rail mounting brackets and secure the brackets to the mounting surface using eight of the 1 1/2" screws supplied and the marks made previously.

Figure 10



Insert all of the spindles into the pre-cut holes in the bottom rail. **Note:** Square spindles come sized for a 36" or a 42" rail height based on the traditional 2" clearance from the bottom rail to the mounting surface. Colonial spindles only come sized for 36" rail height. If your application is different, you have the option of trimming the spindles to your desired height. Be sure to check with your local code officials for height requirements.

Figure 11



Slide the top rail upper & lower bracket covers onto their respective ends of the top rail (Figure 9). Place the top rail on the spindles, inserting the spindles one at a time while holding the top rail at an upward angle (Figure 10). Once all of the spindles are inserted into the top rail, it should be positioned so that it can be attached to the top rail mounting brackets. **Note:** The upper end of the rail should be sitting on the resting flange, but the lower end of the top rail should not.

Install four of the supplied 1" long screws into each mounting bracket (2 on each side) in the top and bottom slots of the brackets. The screws should be located as close to the radius end of the slot as possible, which is approximately 1/2" from the end of the rail (Figure 11). Slide the covers towards the mounting plates until they snap onto the mounting plates. An audible "click" should be heard, signifying that the covers are now secure.

QuickRail Accessories

Bracket Kits

- 45° Bracket Kit
- Curved Bracket Kit
- Multi-Angle Bracket Kit
- Stair Rail Bracket Kit
- Straight Rail Bracket Kit

Posts

- Colonial Porch Posts
- Column Wraps
- Complete Post Kits
- Post Sleeves
- UltraPost Kits

Post Accessories

- Ball Post Top
- New England Post Top
- New England Post Base
- Gothic Post Top

Rail Kits

- Gate Kits
- Stair Rail Kits
- Straight Rail Kits

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