

# QuickRail® Complete Post Kit & Post Sleeve

## Installation Instructions

Figure 1

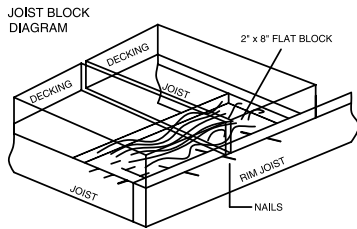


Figure 2

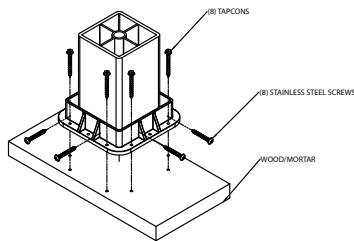
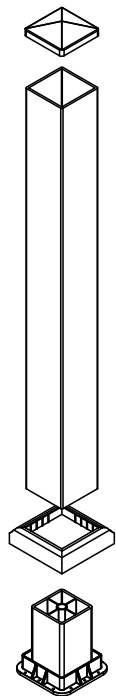


Figure 3



### Before You Begin: Important Information

- 10' and 12' QuickRail Kits should NOT be attached directly to the 4" Complete Post Kit or Post Sleeve. 10' and 12' QuickRail Kits should ONLY be attached directly to the supporting construction (i.e. support column or wall).
- Complete Post Kit should only be used for applications that are no more than 30" above ground. Refer to local building codes for requirements.

### Installation

Determine the mounting location for the post.

(Wood deck application only) - Make sure area under the mounting location has an additional block between the joists directly under the deck surface (see attached joist block diagram – Figure 1).

(Required for masonry application/optional for wood application) – Pre-drill  $\frac{5}{32}$ " diameter hole, a minimum of 2" deep, at 2 of the outer hole locations on each side of the post mount.

Secure the post mount using (2) of the supplied 1  $\frac{3}{4}$ " blue Tapcon screws on each side of the post mount.

Insert post into mount and level vertically. Wood/composite (not provided) shims may be used to stabilize the post in this step. DO NOT SUBSTITUTE ANY POST SLEEVE FOR THE ONE PROVIDED IN THE KIT.

Secure post using (2) of the supplied 1  $\frac{1}{2}$ " stainless screws on each side of the post mount. Note: position screws at different heights so that screws do not overlap one another. It may be necessary to drill  $\frac{1}{8}$ " pilot hole.

Slide the post kit base trim collar down the post and over the post mount.

Attach taper cap to post sleeve with PVC glue (not included). Note: If attaching Grab Rail to post sleeve, secure taper cap after Grab Rail is installed.

### Post Sleeve Installation

A 4" x 4" Post Sleeve can be installed over a 4" x 4" nominal wood insert consisting of pressure treated southern yellow pine or better, per local building code requirements.

### Tools Required



Drill with  $\frac{5}{16}$ " Hex Bit Driver and #2 Phillips Bit



Hammer Drill with  $\frac{5}{16}$ " Bit



Personal Protective Equipment



Level

### Warranty Information

For complete warranty details and exclusions, visit the Product Support section at [www.fypon.com](http://www.fypon.com).



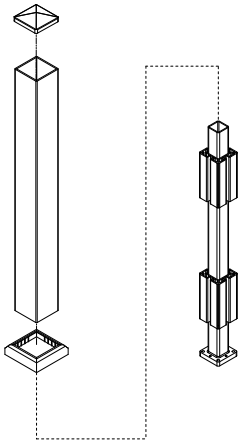
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# QuickRail® Ultra Post Kit

## Installation Instructions

Figure 1



### Before You Begin: Important Information

- Installer must consult local code officials for compliance to building code requirements.

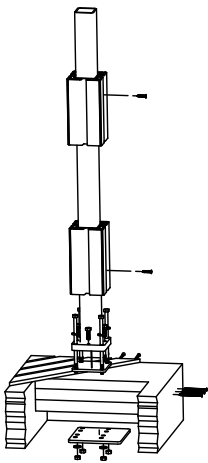
### Wood Post Mount Installation

Lay out the location of the post. Install at least 3" of blocking under the mounting location. Securely attach the blocking using reinforcement screws.

Using the leveling plate as a template, mark the locations of the 4 mounting holes to be drilled. Drill 4 holes through the decking and blocking using a  $\frac{3}{8}$ " diameter drill bit.

Install the 4 leveling bolts into the post mount member. Place the leveling plate on the decking surface and align over the (4) drilled holes. Place the post mount member on top of the leveling plate and align the (4) holes. Adjust the leveling screws to ensure the post mount member is level.

Figure 2



Install the 4 mounting bolts with washers as shown (**Figure 2**). On the underside, place the back plate over the exposed mounting bolts. (Use the centered holes for in-line applications and the offset holes for corner applications). Secure the back plate by using the supplied mounting nuts and washers.

Install the two guide blocks onto the post mount member. They should be positioned so that the screws from the railing brackets will screw into the guide blocks. Once the proper heights are established, drill a  $\frac{3}{8}$ " diameter hole through both the guide block and the post mount member. Install the supplied guide block screws to hold the guide blocks in place.

Install sleeve, trim collar and cap over Ultra Post Kit.  
Install Railing Kit per instructions included with that kit.

### Concrete Post Mount Installation

Lay out the location of the post. Using the leveling plate as a template, mark the locations of the 4 mounting holes to be drilled. Drill 4 holes into the concrete using a  $\frac{1}{4}$ " diameter masonry drill bit. The hole must be drilled to a minimum depth of 3  $\frac{1}{2}$ " inches. Clean out the holes of all dust and debris.

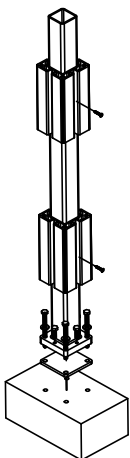
Install the 4 leveling bolts into the post mount member. Place the leveling plate on the concrete surface and align over the (4) drilled holes. Place the post mount member on top of the leveling plate and align the (4) holes. Adjust the leveling screws to ensure the post mount member is level.

Install the 4 concrete bolts with washers as shown (**Figure 3**) by applying downward pressure while turning in a clockwise direction. Continue to tighten the bolts until the heads are firmly seated (Do not over tighten).

Install the two guide blocks onto the post mount member. They should be positioned so that the screws from the railing brackets will screw into the guide blocks. Once the proper heights are established, drill a  $\frac{1}{8}$ " diameter hole through both the guide block and the post mount member. Install the supplied guide block screws to hold the guide blocks in place.

Install sleeve, trim collar and cap over Ultra Post Kit.  
Install Railing Kit per instructions included with that kit.

Figure 3



### Tools Required

Tape Measure

Screwdriver

Level

Hammer Drill with  $\frac{1}{4}$ " Concrete Bit

Drill with  $\frac{3}{8}$ " Diameter Bit

Personal Protective Equipment

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### Warranty Information

For complete warranty details and exclusions, visit the Product Support section at [www.fypon.com](http://www.fypon.com).

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LIMITED WARRANTY  
FOR HOMEOWNERS

# QuickRail® Synthetic Porch Posts

## Installation Instructions

### Before You Begin: Important Information

- When installing QuickRail™ railing to the post, pre-drill holes for bracket screws using a  $\frac{1}{8}$ " drill bit.
- Before post is installed, slide one trim piece at the top of the post and one trim piece at the bottom of the post.

#### Load Bearing Capacity

|                            | 4"         | 5"         | 6"         |
|----------------------------|------------|------------|------------|
| <b>QuickPost® Square</b>   | 3,000 lbs. | 5,000 lbs. | —          |
| <b>QuickPost® Colonial</b> | —          | 3,000 lbs. | 5,000 lbs. |
| <b>DuraPoly® Post</b>      | —          | 3,000 lbs. | 5,000 lbs. |

### Important Information for Painting (DuraPoly® Post & Trim Kit Only)

- Do not use paint or solvents with acetone.
- Oil based primer and paint are not recommended. Krylon® Fusion® paint for plastics is an alternative to exterior latex.
- Do not paint using dark colors (dark colors are considered any color that falls within the L values of 56 to 0). L is a measure of the lightness of an object, and ranges from 0 (black) to 100 (white). Doing so may void warranty.

### Post Installation

Measure opening to determine post length. Deduct  $\frac{3}{8}$ " total to accommodate top and bottom mounting plates.

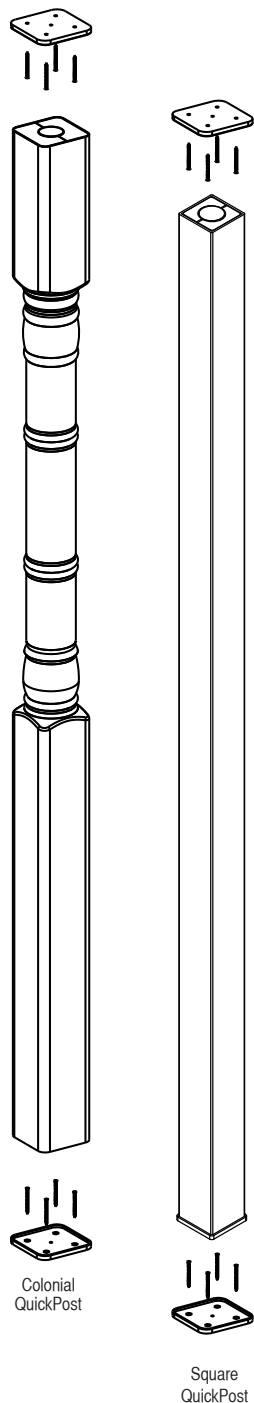
- For 36" QuickRail® railing: Do not trim more than 6" from the bottom of Colonial post, trim balance from top.
- For 42" QuickRail® railing: Do not trim the bottom of Colonial post, trim only the top.
- Square posts can be trimmed from top or bottom.

Trim post. A reciprocating saw is recommended (be sure to wear personal protective equipment). Be sure to match cut with same pitch as slope of floor.

Install bottom plate using 4 screws (provided). (The 8 screws provided will work for wood or masonry applications. When installing screws into concrete, drill a  $\frac{3}{16}$ " pilot hole  $\frac{1}{4}$ " deeper than the length of the screw.) Note: Be sure the location on the floor for the mounting plate allows the load on the top of the post to be centered and evenly distributed. Using a plumb tool, line up the ceiling plate with the floor plate by marking the location of at least two holes from the floor plate on the ceiling. Secure ceiling plate with (4) screws when in position.

After installation of plates, raise soffit approximately  $\frac{1}{2}$ ". Set post on bottom plate. Position top of post with top plate. Lower soffit on top of post. There is no need to screw post to plate. IMPORTANT: If using a trim kit, slide onto top and bottom of post before post is installed into mounting plates. Check post with level and remove temporary support allowing the top bracket to fit down on the top of the post.

Figure 1



### Tools Required



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### Warranty Information

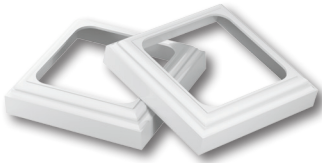
For complete warranty details and exclusions, visit the Product Support section at [www.fyron.com](http://www.fyron.com).



# QuickRail® Synthetic Porch Posts

Installation Instructions  
- Continued -

## Colonial Trim Kit Sold Separately



## Installing Trim Kit (Trim Kit Sold Separately)

Before post is installed, slide one trim piece at the top of the post and one trim piece at the bottom of the post.

PVC glue can be applied to hold the Trim Kit into place at the top and bottom of the post.

There may be some marginal spacing in the Trim Kit to Post fit. Exterior caulk can be used as a filler.

## Painting Instructions (DuraPoly® Post and Trim Kit Only)

Caulk seams between post and trim kit.

Make sure all surfaces are clean prior to painting. Sand and scuff post and trim kit pieces prior to priming and painting.

Prime DuraPoly® Post and Trim Kit pieces with a light coat of exterior latex primer.

Allow primer to dry completely before applying 2 coats of exterior latex paint. (Allow adequate drying time in between each coat of paint.)

## Square Trim Kit Sold Separately



## Warranty Information

For complete warranty details and exclusions, visit the Product Support section at [www.fypon.com](http://www.fypon.com).



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# QuickRail® Straight Rail Kit

## Installation Instructions

### Before You Begin: Important Information

Figure 1

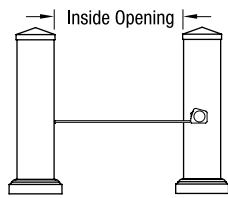


Figure 2

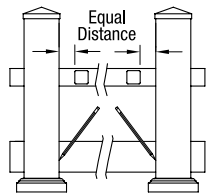
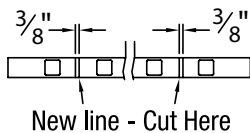


Figure 3



- 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' & 12' Rail Kits should **NOT** be attached directly to the 4" Complete Post Kit or Post Sleeve. The 10' & 12' Rail Kits should only be attached directly to the supporting construction. (i.e. support column or wall)
- To meet residential building codes, Square Spindles are spaced a nominal 4" apart and Colonial Spindles are spaced a nominal 3 1/8" apart. Because of the smaller spacing required for the Colonial Spindles, the rails in the Colonial Kits are slightly shorter than the nominal kit length. Please refer to the chart below for actual lengths. **Note:** Glass rail kit only available in 6' length and has an actual length of 72".
- No finishing is required. Painting QuickRail products is **NOT** recommended and will void the warranty.
- A full line of additional QuickRail accessories are available to complement the Straight Rail Kit and are sold separately.
- For glass spindles, always exercise care when handling and installing product. Always use personal protective devices. Care should be taken to avoid any type of impact to the edge of the glass spindles both during installation and also after spindles are installed.

### 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**).

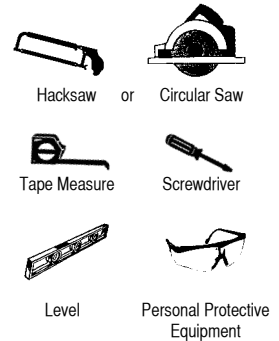
Lay the bottom rail beside the mounting surface with the spindle holes facing up. Align the rail between the mounting surfaces, placing the first spindle hole on each end of the rail the same distance from the mounting surface (**Figure 2**). **Note:** Should the spindle holes fall inside or directly 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. 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 (**Figure 3**). **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 and glass spindles only come sized for 36" rail height. If your application is different, you have the option of trimming the PVC spindles to your desired height however, glass spindles cannot be trimmed. Be sure to check with your local code officials for height requirements.

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 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. 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 5**). 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.

### Tools Required



### Actual Rail Lengths

| Nominal | Square Kit | Colonial Kit |
|---------|------------|--------------|
| 6'      | 72"        | 70 1/2"      |
| 8'      | 96"        | 94 1/8"      |
| 10'     | 120"       | 117 3/4"     |
| 12'     | 144"       | 141"         |

**Note:** Always consult the local building code authority to determine suitability of products to meet specific project requirements.

### Warranty Information

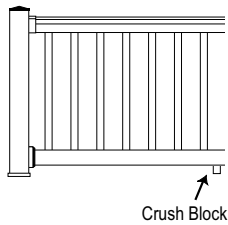
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# QuickRail® Straight Rail Kit

## Installation Instructions

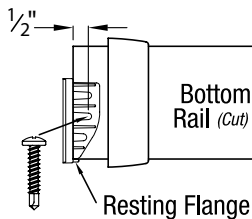
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Figure 6



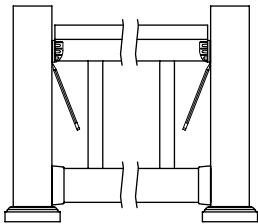
Locate the crush block and cut to the proper length (**Figure 6**). The formula for determining the correct crush block length is: Desired clearance from bottom rail to mounting surface +  $3 \frac{1}{4}$ " = length of crush block. **Note:** Spindle lengths are sized for a traditional 2" clearance from 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 7



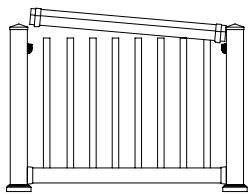
Slide a bottom rail bracket cover onto each end of the bottom rail and attach the bottom rail to the bottom rail mounting brackets, making sure the rail sits on the resting flanges. Install two of the supplied 1" long screws into each mounting bracket (1 on each side) in the middle slot of the bracket. The screws should be located as close to the radius end of the slot as possible, which is approximately  $\frac{1}{2}$ " 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 8



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 so that the rail sets 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 and the top rail is level. 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  $1 \frac{1}{2}$ " screws supplied and the marks made previously.

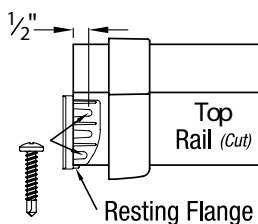
Figure 9



Insert all of the spindles into the pre-cut holes in the bottom rail.

Slide a top rail bracket cover on each end of the top rail. Place the top rail on the spindles, inserting the spindles one at a time while holding the top rail at an upward angle (**Figure 9**). Once all of the spindles are inserted into the top rail, it should be resting on the top rail mounting bracket resting flanges.

Figure 10



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  $\frac{1}{2}$ " from the end of the rail (**Figure 10**). 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

### Warranty Information

For complete warranty details and exclusions, visit the Product Support section at [www.fypon.com](http://www.fypon.com).



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# QuickRail® Stair Rail Kit

## Installation Instructions

Figure 1

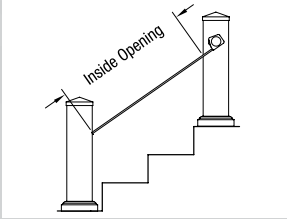


Figure 2

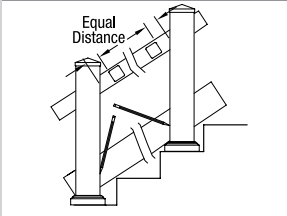


Figure 3

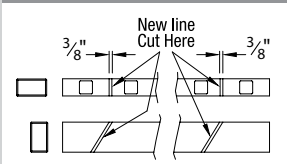


Figure 4

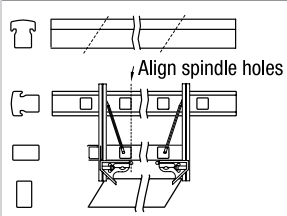


Figure 5

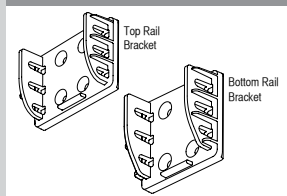
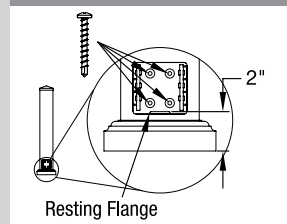


Figure 6



### 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**).

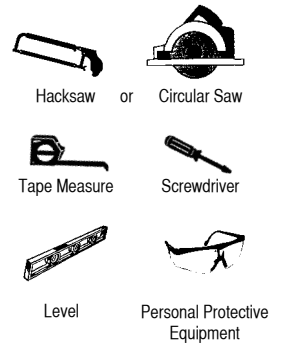
Lay the bottom rail on the stair tread with the spindle holes facing up. Allow the rail to extend past the mounting surface at the top and bottom of the stairs. Align the rail between the mounting surfaces, placing the first spindle hole on each end of the rail the same distance from the mounting surface (**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.

Continued on next page

### 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](http://www.fypon.com).



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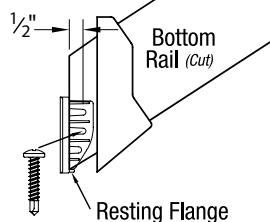
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# QuickRail® Stair Rail Kit

## Installation Instructions

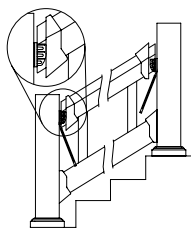
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Figure 7



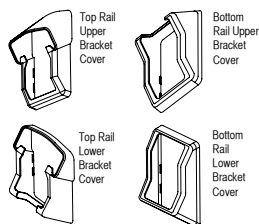
If the Stair Kit comes with a crush block, it should be trimmed at this time. The height of the crush block will need to be determined by the installer. **Note:** Spindle lengths are sized for a traditional 2" clearance from bottom rail to mounting surface. Once the block is trimmed, insert it into the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

Figure 8



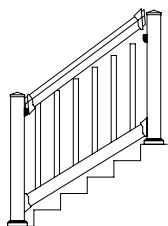
Slide the bottom rail upper & lower bracket covers onto the respective ends of the bottom rail. Position the rail so it can be attached to the mounting brackets, making sure the rail sits on the resting flanges. Install two of the supplied 1" long screws into each mounting bracket (1 on each side) in 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.

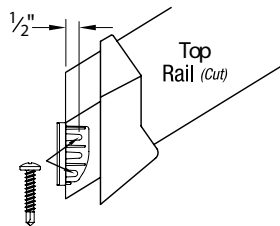
Figure 10



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.

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.

Figure 11



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

## Warranty Information

For complete warranty details and exclusions, visit the Product Support section at [www.fypon.com](http://www.fypon.com).



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# Installation Instructions

## Multi-Angle Brackets

**When installing with other bracket kits we recommend installing the multi-angle bracket section first.**



Figure 1



Figure 2

1. To ensure a standard 2" clearance between bottom rail and mounting surface, start by measuring 1 ¾" up from the mounting surface for placement of the bottom pivot bracket and mark the post (Fig. 3).



Figure 3

2. Place the pivot bracket on the mark and center on the post. Mark the openings in the bracket on the post, predrill the post on marks (Fig. 4).

**Note:** Make sure trim ring is seated on mounting surface before installing the brackets on the post.

3. Using screws included in package, attach bottom pivot bracket to the mounting surface. Follow same steps to attach the other bottom pivot bracket (Fig. 4).



Figure 4

4. Measure the distance between the bottom brackets and add a maximum of 4" (Fig. 5). Transfer this measurement to the bottom rail in preparation to cut the rail to size. Make sure to have equal distance to the center of the spindle holes on each end of the rail (Fig. 6).



Figure 5



Figure 6

5. Cut rail to size and then place both bottom rail multi-angle connector brackets onto the rail. Slide the rail into place and temporarily connect the multi-angle connectors and pivot brackets together (Fig. 7). Make sure the spindle holes are evenly spaced between the mounting surfaces. Once properly aligned mark the multi-angle connector bracket location on both ends and remove the rail. (**Note:** Cut evenly from both ends and the top rail should be cut to the same length as the bottom rail).



Figure 7

# Installation Instructions

## Multi-Angle Brackets

6. Make sure multi-angle connector brackets are still aligned with the mark on the rail and then use a screw through the bottom to hold the bracket in place. Reattach the bottom rail between the mounting surfaces and place pin through the bracket opening.
7. To determine the height of the top bracket insert 1 spindle on each end of the rail (Fig. 8).



10. Remove the top rail and install the pivot brackets on the post following the same procedure as the bottom pivot bracket (Fig. 12 & 13).



11. Insert all spindles into the bottom rail (Fig. 14).

12. Slide the multi-angle connector on both ends of the top rail and slide rail onto the spindles. Then slide the connector into place with the pivot bracket and insert the pin to hold together (Fig. 15).



8. Place the multi-angle connectors on the top rail and place the rail onto the spindles (Fig. 9).



13. Insert a screw through the bottom of the top bracket to hold in place (Fig. 16).



9. Line the pivot bracket up with the multi-angle connector and center on the post and mark the placement (Fig. 10 & 11).



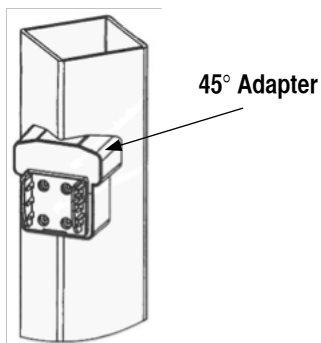
14. Place caps on the bottom of each rod in each of the multi-angle brackets to finish the installation (Fig. 17).



# QuickRail® Bracket Kits

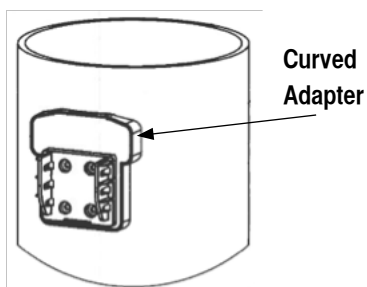
## 45° and Column Adapters

Figure 1



45° Connection

Figure 2



Column Connection

### Before You Begin: Important Information

- 45 degree and column adapters should only be used for applications that are no more than 30" above ground.

### Installation

A 45 degree or column connection can be achieved by attaching a mounting bracket to the proper adapter (**Figures 1 & 2**).

For the 45 degree connection, the rails will have to be trimmed an extra  $\frac{5}{16}$ " on each end where an adapter is being used.

For the column connection, the rails will have to be trimmed an extra  $\frac{1}{4}$ " on each end where an adapter is being used.

After trimming the rails, the same procedure for installing the straight bracket should then be followed (**Figure 3**).

**Note:** 2" screws are provided to replace the 1  $\frac{1}{2}$ " screws supplied with the straight bracket kits.

### Tools Required



Hacksaw



or Circular Saw



Tape Measure



Screwdriver

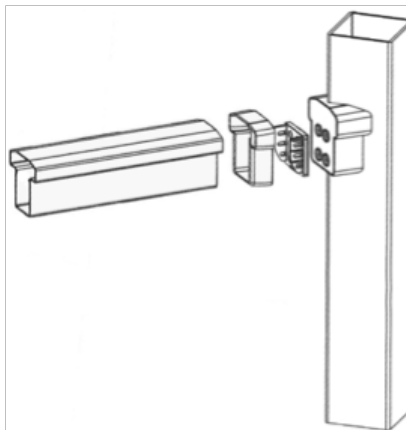


Level



Personal Protective Equipment

Figure 3



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