



## Vinyl Stair Rail Installation Guide

These instructions assume that steps have a typical angle between 32° and 35° and that the Posts are plumb. These instructions explain how to install stair rail in a typical application. Always check with your local building code official for regulations specific to your area.

### STEP 1

Unpack your section of railing confirm and inspect all parts and pieces needed to assemble are in the box.

### STEP 2

Lay the bottom rail on the steps beside the posts. Make sure the holes are facing upwards. Measure the distance from the post to the first rout and center rail between posts.

### STEP 3

Using the side of the posts as a guide, scribe a line on the rail at both the top and bottom of rail, allowing about 1/8" on each end for expansion.

### STEP 4

The bottom rail can be cut with the aluminum insert inside. Cut along the scribed lines.

### STEP 5

Place the bottom mounting brackets onto the bottom rail at each end making sure the flat side is facing the mounting surface. Pay attention to the position of the brackets.

### STEP 6

Place the bottom rail between posts. Confirm the distance between the underside of bottom rail and nose of tread does not exceed one inch. Attach the brackets at each end of railing.

### STEP 7

Insert two balusters into the bottom rail in the third rout from post on each end. Do not insert all the pickets at this time.

### STEP 8

a) Align the uncut top rail onto the balusters. Make sure that the balusters are inserted into the same corresponding routs as bottom rail.

b) Using a level, ensure that the balusters are plumb. Scribe top rail as in Step 2 and remove top rail.

### STEP 9

The top rail can be cut with the aluminum insert inside. Cut along the scribed lines.

### STEP 10

Slide top rail brackets onto top rail the same as in Step 5. Pay attention to the position of the brackets. One bracket slopes downward, this is the bracket for top of the stairs. The bracket for the bottom of stairs slopes upward.

### STEP 11

Insert the remainder of the balusters into the bottom rail. Make sure balusters insert fully into the rail and extend all the way to the bottom.

### STEP 12

Reinstall the cut top rail with aluminum insert by starting at one end of the railing section; insert each baluster into the matching hole of the top rail. Ensure the balusters insert fully into top rail and extend all the way to aluminum insert.

### STEP 13

Place and install top rail to posts. Secure the top rail brackets by pre-drilling each screw hole and using the screws provided.

### STEP 14

a) Each bracket set contains 2 set screws with screw covers. Pre-drill through the top and one side of each bottom bracket into the bottom rail and through the bottom and one side of each top bracket into the top rail. Secure the screws into place using the supplied screws.

b) Snap decorative covers into place. This completes the installation of your vinyl rail.

