

# WOLF PVC RAILING | 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

Unbox your section of railing making sure you have all parts and pieces needed to assemble.

## STEP 2

Temporarily remove aluminum insert from the bottom rail. Lay the rail on the steps beside the posts. Make sure the routs 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

Reinsert aluminum insert into bottom rail and cut and cut on the scribed lines. The top rail can be cut with aluminum insert inside.

## 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 orientation of the brackets. One is for the top of stairs and one is for the bottom.

## STEP 6

Position the bottom rail between posts. Ensure the distance between the underside of bottom rail and nose of tread does not exceed one inch.

## STEP 7

Pre-drill each screw hole before securing the bracket in place to the mounting surface using the screws provided. Stainless steel screws while corrosion resistant are "softer" than other materials and pre-drilling is recommended.

## STEP 8

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 9

Temporarily remove aluminum insert from top rail and position uncut top rail onto the balusters. Make sure that the balusters are inserted into the same corresponding routs as bottom rail. Using a level, ensure that the balusters are plumb. Scribe top rail as in Step 2 and remove top rail.

## STEP 10

Reinsert aluminum insert into top rail and cut on the scribed lines. The top rail can be cut with aluminum insert inside.

## STEP 11

Slide top rail brackets onto top rail the same as in Step 4. Pay attention to the orientation 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 12

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

## STEP 13

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 14

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

## STEP 15

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.

## STEP 16

Check your installation for accuracy before snapping the decorative screw covers of each bracket into place. Snap decorative covers into place.