Deluxe/Traditional Railing Installation Instructions

**Required Tools and Supplies:**
- Power Drill
- 1/8-in. Drill Bit
- #2 Square Head Bit
- Protective Eye Wear
- Tape Measure
- Level
- Screw Driver, Phillips #2
- Speed Square
- Miter Saw
- Pencil
- Adjustable Square

**Railing component list for each section:**
- Post Sleeve
- Cap
- Top Rail Bracket
- Bracket
- Flange
- Top Rail
- Bottom Rail
- Square
- Balusters
- Round Metal Balusters
- Round Metal Baluster Insert

Prior to installing railing:
- Please consult local zoning laws in regards to load requirements and bottom space requirements for rails. All supporting structures must be in accordance with applicable building codes. Neighborhood associations and/or historic districts may regulate size, type, placement and type of railing. Apply for permits if required by local authorities and codes. Ensure compliance prior to installation.
- Local building code requirements will always supersede any and all suggested procedures and measurements in the following installation. The following installation instructions are intended as a general guideline based on common building practices used in railing installation.
- When railing span is greater than the distance between posts, trim both top and bottom rail ends to maintain uniform baluster spacing.
- Measure distance, subtract 1/2-in. from measurement (1/4-in. on each side) to allow for brackets and flanges. Slide post sleeve collar over each post prior to installing bottom rails and press securely into place.
- After carefully measuring between level and plumb posts, cut top and bottom guardrails to length. Slide bottom rail brackets over ends of bottom rail.
- Cover 4x4 posts or Fiberon HomeSelect surface mount bracket (item# 345061) with post sleeve and verify spacing. Posts should be plumb in both directions.
- Center crush block on deck surface between posts. Set bottom rail on top of crush block.

**NOTE:** Rail lengths will vary slightly due to manufacturing processes. Make sure rails are cut properly to correct length, and with hole pattern centered between posts before securing.

**NOTE:** For best results, cut post sleeves with a 10-in. circular carbide-tipped blade, minimum 32-tooth.

**NOTE:** If using the post sleeve collar, make sure to position and glue collars in place prior to securing the bottom rail.

The most recent installation instructions can be found on our website. Please visit www.fiberonhomesselect.com or call customer service at 800-318-7828.
Deluxe/Traditional Rail Installation Instructions

2. Place top rail brackets over each end of top rail.
3. Place top rail between post sleeves, fully seated onto balusters.
4. Remove top rail and mark bracket flange.
5. Insert all balusters in bottom rail.
6. Lightly trace a line to show the location of the bottom of bracket.
7. Remove bottom rail and mark bottom bracket flange holes.
9. Place bottom rail on top of crush block between post sleeves.
10. Snap/lock bottom rail in place. Glue crush block to bottom rail.
11. Insert one baluster into the outermost routed hole at each end.
12. Remove top rail and mark bracket flange.
14. Seat balusters into top rail. Press down on brackets to snap/lock top rail in place.
15. Glue post sleeve cap onto post sleeve.
16. To secure the top rail, pre-drill two holes in the flange at the bottom of the bracket with a 1/8-in. bit to the depth of the screw (1-in. for Traditional Rail and 2-in. for Deluxe). Secure the top rail using (5) supplied #10 screws. Do not overtighten.
17. For installations higher than 30-in. above grade, two additional screws are required to properly secure the top rail: pre-drill a 1/8-in. hole perpendicular into the flat face of the bracket, approximately 1/2-in. from the post. Drive #10 x 1-in. screw until fully seated. Do not overtighten. Finish by installing screw caps. For Traditional rail, install screws midway up the vertical face.
18. The most recent installation instructions can be found on our website. Please visit www.fiberonhomeselect.com or call customer service at 800-318-7828.
Deluxe/Traditional Stair Installation Instructions

1. Install 4x4 posts in the pre-determined locations, cover with post sleeve and verify spacing. Posts should be plumb in both directions. If using post sleeve collar, slide collar over post sleeve prior to installing rails.

2. NOTE: The slope of the stairs can be 30-36 degrees (a 17-in. run and a 7-in. rise results in a 32 degree slope).

3. NOTE: Rail lengths will vary slightly due to manufacturing processes. Make sure rails are cut properly to correct length, and with hole pattern centered between posts before securing.

4. NOTE: For best results, cut post sleeves with a 10-in. circular carbide-tipped blade, minimum 32-tooth.

5. NOTE: If using the post sleeve collar, make sure to position and glue collars in place prior to securing the bottom rail.

6. Establish the angle by laying the bottom rail in front of the secured posts, and marking the angles making sure to center the baluster holes between the posts. Align the top rail with the bottom rail to ensure the baluster holes will align properly before marking the angle for the top rail and brackets.

7. When using square or turned balusters, the balusters will need to be cut to appropriate length and angle. Transfer the angle using a tool like an adjustable carpenter’s square. It is critical that all balusters are the same length and angle for best appearance.

8. Place the square baluster stair insert or round baluster stair insert into the bottom rail holes, making sure to align them properly. Place square baluster stair insert or round baluster stair insert into the top rail as well.

9. Tip: Insert the brackets over the bottom rails on both ends and mark the angle onto the brackets before cutting. Pre-drill the hole locations, and secure bottom rail with supplied pan head screws.

10. When using square or turned balusters, the balusters will need to be cut to appropriate length and angle. Transfer the angle using a tool like an adjustable carpenter’s square. It is critical that all balusters are the same length and angle for best appearance.

11. NOTE: Rail lengths will vary slightly due to manufacturing processes. Make sure rails are cut properly to correct length, and with hole pattern centered between posts before securing.

12. NOTE: For best results, cut post sleeves with a 10-in. circular carbide-tipped blade, minimum 32-tooth.

13. NOTE: If using the post sleeve collar, make sure to position and glue collars in place prior to securing the bottom rail.

14. Establish the angle by laying the bottom rail in front of the secured posts, and marking the angles making sure to center the baluster holes between the posts. Align the top rail with the bottom rail to ensure the baluster holes will align properly before marking the angle for the top rail and brackets.

15. When using square or turned balusters, the balusters will need to be cut to appropriate length and angle. Transfer the angle using a tool like an adjustable carpenter’s square. It is critical that all balusters are the same length and angle for best appearance.

16. Place the square baluster stair insert or round baluster stair insert into the bottom rail holes, making sure to align them properly. Place square baluster stair insert or round baluster stair insert into the top rail as well.

17. Tip: Insert the brackets over the bottom rails on both ends and mark the angle onto the brackets before cutting. Pre-drill the hole locations, and secure bottom rail with supplied pan head screws.

18. The most recent installation instructions can be found on our website. Please visit www.fiberonhomeselect.com or call customer service at 800-316-7628.
Design Grid