

Preferred Aluminum Railing

Level Rail Installation Instructions 2015 V1.0

Step #1 – Aluminum Post Installation

1. Determine location of all posts prior to installing deck boards.
2. Add blocking where necessary to support proper post installation.
3. Use the composite shims included with your posts to make sure your posts are plumb.
4. Secure posts by first pre-drilling and then using 2-1/2" lag bolts with washers to fasten through the decking and into the framing structure/blocking to hold the posts in place.
5. Cut or break off the shims.

Step #2 – Measure & Cut Aluminum Rails

6. Lay your bottom rail on the deck centered between two posts.
7. Mark a line where the post is on both sides of the rail.
8. Measure back 5/8" from the first line and mark a cut line on both ends.
9. Lay the top rail beside the bottom rail lining up the baluster connectors.
10. Using the cut line from your bottom rail mark a cut line on your top rail as well.
11. Use a miter saw and cut the lines you have marked.

Step #4 – Attach Railing to Posts

12. **BEFORE attaching railing to posts be sure to put the Post Base Covers on if they are of a one piece design! Two piece designs can be put on after the railing is installed.**
13. Remove the clamps and flip the railing over.
14. Peel back the plastic protective cover from the top rail 3" to 4" on both ends.
15. Slide the top and bottom brackets onto the assembled railing.
16. Place two spacer blocks beneath where the railing will sit between the posts. Make them 2"-3" in height depending on the desired rail height and local building code requirements.
17. Place the center Rail Support in place and set your rail on top of the spacer blocks.
18. Use the supplied screws and fasten your brackets to the posts locking your rail section into place. Do not forget the screw that attaches from the bottom up on the top brackets and the screw that attaches through the side of the bottom brackets.
19. Adjust the Rail Support Baluster(s) to brace the railing and use the supplied screw to hold it in place.
20. Remove the protective film from the top of the top railing.
21. If you have two piece Post Base Covers now install those covering the base of the posts and use the supplied screws.
22. To finish the installation place the post caps on top of the Posts, using construction adhesive if necessary to hold them in place.

Components Included:

23. Top Level Rail w/ baluster connectors (1)
24. Bottom Level Rail w/ baluster connectors (1)
25. Top Level Rail Mounting Brackets w/ caps (2)
26. Bottom Level Rail Mounting Brackets w/ caps (2)
27. **Multi-Angle Brackets are available but must be ordered separate and in packs of two.*
28. Rail Support(s) (1-6' or 2-8')
29. Rail Support Baluster(s) (1-6' or 2-8')
30. Balusters (15-6' or 21-8')
31. #8X3/4" Pan Head Self Drilling Screws (13-6' or 14-8')
32. **Post Kits are sold separately*

Step #3 – Railing Assembly

33. Lay down a protective blanket or cardboard and place the top rail upside down on top of it.
34. We suggest clamping the top rail to the deck or a work bench to keep it stable.
35. Install the balusters on each of the baluster connectors making sure they are tight against the rail. Use a rubber mallet if needed to tap them in place.
36. Install the bottom rail making sure all of the balusters line up. Use a rubber mallet to tap the rail onto the balusters.
37. Screw the extra connector to the center of the bottom rail and attach the Rail Support Baluster(s).

Check all local building codes before you begin!