



36" Height



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- ### Tools Required:

- Drill Bits: 5/32"
- #2 square drive hex bit 2" & 4" long
- Drill with Adjustable Clutch
- Miter Saw with Metal Cutting Blade
- Level
- Rubber Mallet or Wood Block
- Tape Measure
- Masking or Duct Tape
- 12" Combination Square
- 8" File
- Straight Edge
- Pistol Clamps - 2
- Center Punch - optional
- Touch-up Paint - optional
- Silicone Adhesive - optional
- Shop Vac or Blower - optional
- Always wear safety goggles*

Installer is responsible for quality workmanship and meeting all building codes.

MADE IN THE USA

- Read and understand all instructions before starting your installation.
- Plan your railing project completely. A drawing or sketch is recommended.
- Check local building codes.
- Check all cartons for proper components.
- Paint all cut ends to protect from the environment.
- Use two people for best results.
- Wear personal protective equipment, such as safety glasses, gloves, etc.
- Pre-drilling of all holes is recommended.
- Do not over-tighten screws. **Set clutch on drill to lowest workable setting.**

1

Aluminum Post Placement & Installation

1. Secure top post to deck, level and plumb. **It is the responsibility of the installer to ensure proper installation, including adherence to all local codes.**
2. Place bottom post on lowest step or landing.
3. Place a piece of tape on baluster insert to keep from moving.
4. Place bottom rail against posts, baluster openings up.
5. Measure **horizontally** from both posts to the edge of the first baluster hole, the distance should be no less than 1½" on both ends. If you have less than 1½", slide your rail to the left or right to remove a hole. **Move lower post as needed to achieve 1½" minimum spacing. Do not mount post until 1½" spacing is achieved.** Secure lower post, level and plumb.

2

Fixed Stair Rail Installation

1. With both post collars removed, set bottom rail (F) on stairs and against posts with the baluster openings facing up. Place carpenter square against post and on top of rail. Mark a horizontal line on face of both posts. Install both post collars.
2. For 36" High Stair Rails, measure up 31½" on both posts:
3. Set carpenter square to 7/8". Place a vertical mark on upper line on one side of each post.
4. Pre-drill (1) 5/32" diameter hole on each post.
5. Mount top bracket upper post (B) on upper post with (1) #10 x 1" screw (H). Check that bracket is level. Using bracket as a guide drill 2nd 5/32" diameter hole, install screw (H).
6. Repeat step 5 for top bracket lower post (D) on lower post.
7. Place bottom rail against posts and center baluster openings. Apply a pistol clamp to rail on both posts. Mark a vertical line on rail by both upper and lower post.
8. Install 2 balusters into openings closest to posts.
9. Set top rail on to the balusters installed in step 8.
10. Align top rail so the 2 balusters are plumb.
11. Mark a vertical line on top rail by both upper and lower posts.
12. Remove top rail, balusters, clamps, and bottom rail.
13. Cut bottom rail on vertical marks, matching angle.
14. On top rail, measure in ½" from both vertical marks. Mark a new line and cut top rail to this new line, matching angle from bottom rail.
Top rail will be shorter than bottom rail!
15. File any sharp edges and paint ends (optional).
16. Install all balusters into bottom rail. Attach top rail.
17. Install top covers onto top rail. Keep angles aligned.
18. Hang rail assembly onto top brackets.
19. Install bottom brackets onto bottom rail. Keep screw tabs "down and out."
20. Locate screw hole on underside of top brackets. Drill 5/32" hole. Install #10 x 1" screws (H) into each bracket. Slide top covers onto brackets. Use the tape (I) provided, if needed, to secure to cover if it is loose.
21. Check that bottom rail is seated completely into balusters. Center bottom brackets on posts. Drill 5/32" holes through tabs. Install (2) #10 x 1" screws (H) on each post.
22. Install caps.