

- Please read all instructions completely before starting any part of the installation.
- Each railing kit comes complete with all parts, hardware and installation guide to install one complete rail section (excluding posts.) Railing sections have been pre-cut to 6 ft. or 8 ft. lengths. Check to ensure that the kit is complete.
- AZEK Rail should be installed using the same good building principles used to install wood or composite railing and in accordance with the local building codes and the installation guidelines included below. AZEK Building Products Inc. claims no liability or responsibility for the improper installation of this product.
- AZEK Rail may not be suitable for every application and it is the sole responsibility of the installer to be sure that AZEK Rail is fit for the intended use. Since all installations are unique, it is also the installer's responsibility to determine specific requirements in regards to each Rail application.
- AZEK Building Products recommends that all designs be reviewed by a licensed architect, engineer or local building official before installation. If you have any questions or need further assistance, please call AZEK Customer Service at 877-ASK-AZEK (877-275-2935) or visit our website at www.azek.com.
- AZEK Railing is tested as a whole system and should be used that way. It is not intended to be used in conjunction with other railing systems or fasteners.
- **IMPORTANT:** Make sure the DRIVE TOOL/DRILL is configured or set to use the SCREW setting when driving and/or tightening all FASTENERS.
- **SAFETY:** Always wear goggles when handling, cutting, drilling and fastening materials.
- **NOTE:** Check local code requirements prior to installation.

Tools Required

Pencil Measuring Tape Drill Recommended: Impact Driver Mitre Saw fitted with a high tooth count finish carpentry blade 1/8" Drill Bit 3/16" Drill Bit 5/16" Drill Bit 3/8" Drill Bit Scrap Length of Wood

Hardware

(4) Stair Brackets (1) Spring Clip Installation Tool
 (2) Threaded Plates (1) T-25 Bit
 (2) Spring Clip Threaded Plate Retainer Baluster Screws (28) 6' Kit
 (5) 1" #8 Wood Screws (8) 2 1/2" #10 Wood Screws
 (8) 5/8" #10 Machine Screws

Parts

Trademark Profiles Shown Throughout Instructions

Premier Top Rail Reserve Top Rail (1) Handrail
 Premier Bottom Rail Reserve Bottom Rail (1) Top Retainer
 (1) Bottom Rail Balusters (13) 6' Kit

IMPORTANT

Make sure that the DRIVE TOOL/DRILL is configured or set to use the SCREW setting when driving and/or tightening all FASTENERS.

1 Prepare for Post Sleeves

WARNING: Post sleeves are not designed to be used in structural applications. Therefore, they should not be used where they may be subject to weight bearing applications such as supports for a roof of a porch or deck.

- The 4 x 4 should be completely "boxed in" around all 4 corners of the firmest attachment.
- Make sure posts are level and plumb.
- If post is twisted or oversized, trim as necessary so post sleeve slides easily over post. (Do not force sleeve over post)
- Post sleeves may also be used over wood posts installed with Surface Mount Bracket or over Tallboy Surface Mount Bracket.
- Post sleeves should not be notched for installation.
- If installing using a Surface Mount Bracket or Tallboy Surface Mount Bracket, please refer to those specific installation instructions.
- **IMPORTANT:** Must check with local building code for proper installation of wood post and decking attachment.

2



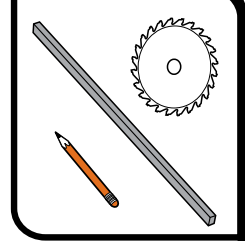
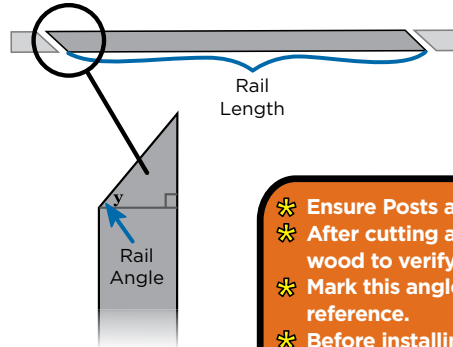
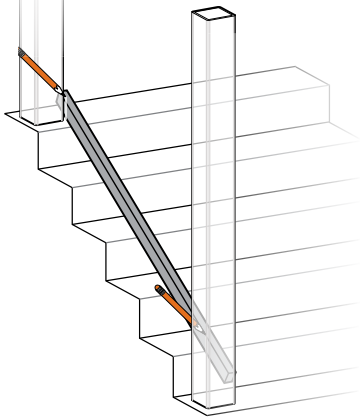
Install Post Sleeves

Do not force the Post Sleeve over the 4 x 4 as it may eventually lead to a crack or split



3

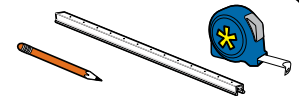
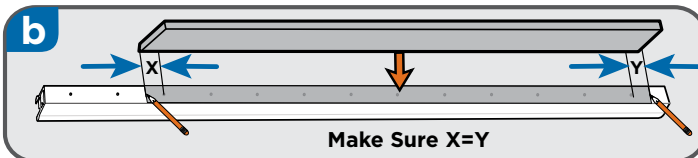
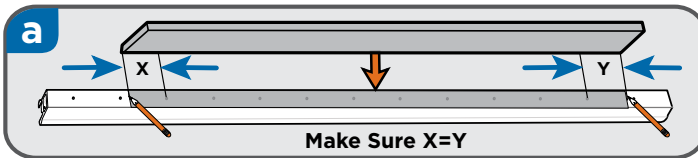
Mark and Cut Scrap Wood to Find Rail Length & Angle



- * Ensure Posts are square and plumb.
- * After cutting angle, dry fit scrap wood to verify proper length and angle.
- * Mark this angle on mitre saw for easy reference.
- * Before installing stair rail section, be sure section complies with local stair rail codes.

4

Measure & Mark Bottom Rail Ensuring Proper Baluster Spacing



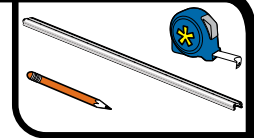
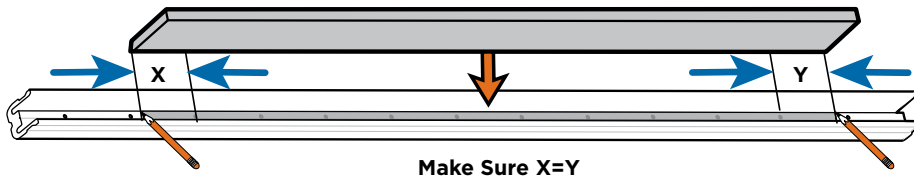
If X is greater than 5", Baluster spacing will not meet code. Shift hole pattern from **a** to **b** by moving the scrap piece along the top retainer until the distance X=Y again. Make sure X is greater than 2 1/2".

- * Most building codes require that a 4" sphere shall not pass through the rail at any point.
- * To comply with 4" sphere rule, 6 ft. rail section must be cut a minimum of 7/8".
- * Tip: Mark on dimpled surface to ensure accurate hole spacing

5

Measure & Mark Top Retainer Ensuring Proper Baluster Spacing

Use X & Y measurements obtained in step 4

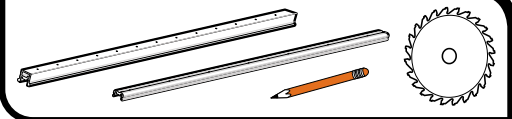
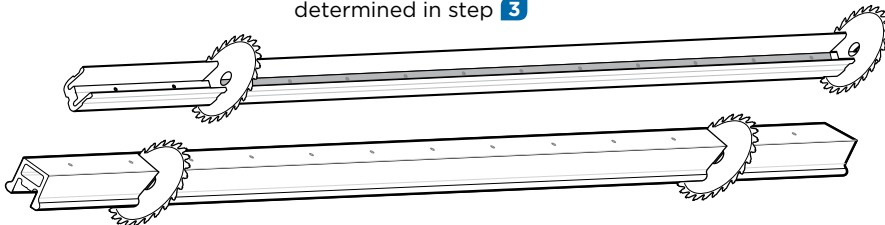


- * Tip: Mark on dimpled surface to ensure accurate hole spacing

6

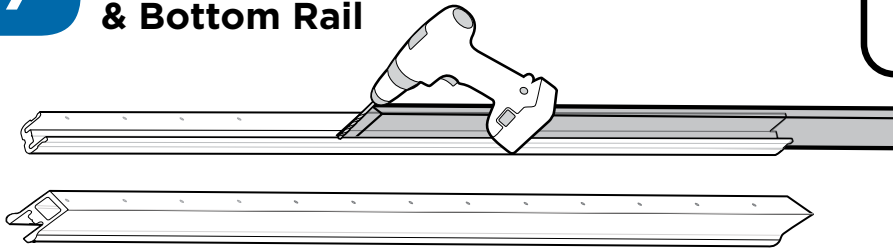
Cut Top Retainer & Bottom Rail Angle

Use Saw set to same angle as determined in step 3

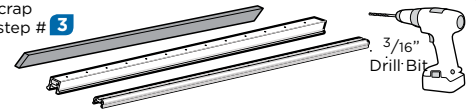


- * Tip: Because marks are on the inside surface of the top retainer, you may have to make a few test cuts and back up to your measured line.

7 Drill Baluster Holes in Top Retainer & Bottom Rail

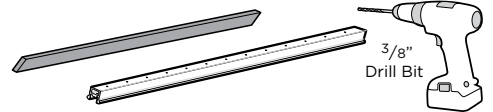
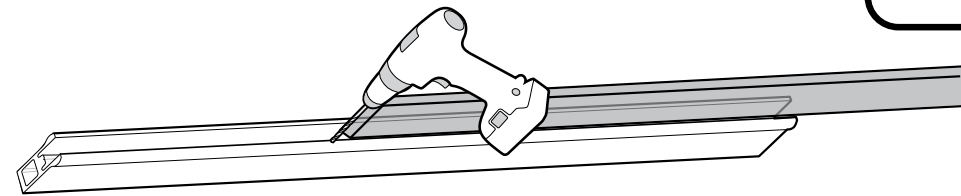


Cut Scrap from step #3



*** Tip**
Use Scrap wood from Step 3 as a drill guide for properly angled baluster holes. Drill through both top and bottom surfaces of the Bottom Rail with the 3/16" bit.

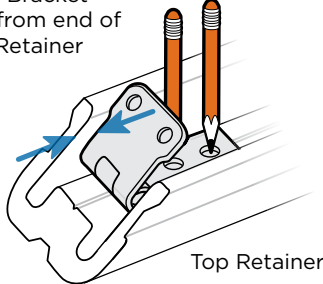
8 Counter bore underside of Bottom Rail



When counter boring holes to create clearance for Baluster Screws, make sure to only drill through bottom surface of Bottom Rail.

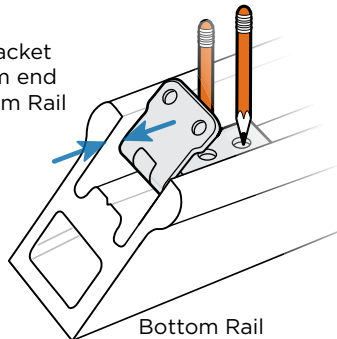
9 Measure, Mark & Drill for Brackets

Mark Bracket 1/8" from end of Top Retainer

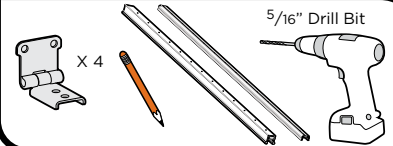


Top Retainer

Mark Bracket 1/8" from end of Bottom Rail



Bottom Rail



*** Ensure bracket angle matches rail angle for measurement**



When drilling holes for brackets, do not drill through top surface of bottom rail.



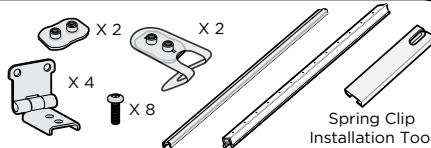
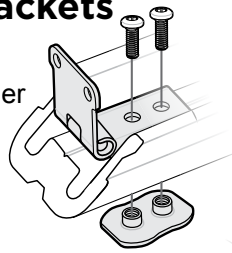
Now Pilot & Drill

Pilot with 1/8" Drill Bit
Drill with 5/16" Drill Bit

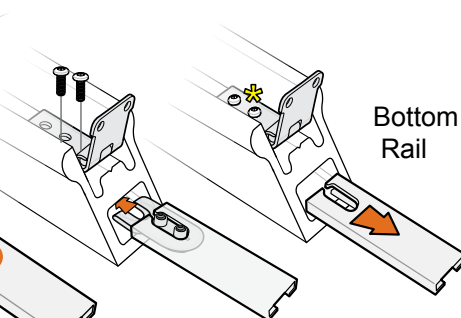


10 Install Brackets

Top Retainer



Spring Clip Installation Tool



Bottom Rail

Close Spring Clip and insert it into Installation Tool



IMPORTANT

Make sure that the DRIVE TOOL/DRILL is configured or set to use the SCREW setting when driving and/or tightening all FASTENERS.



*** Remove installation tool before fully tightening bracket screws**

11 Trim Balusters

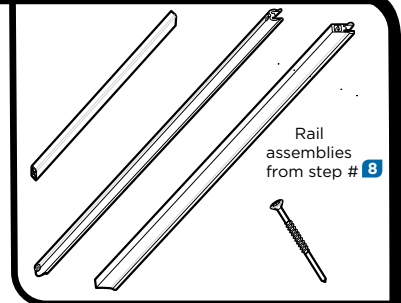
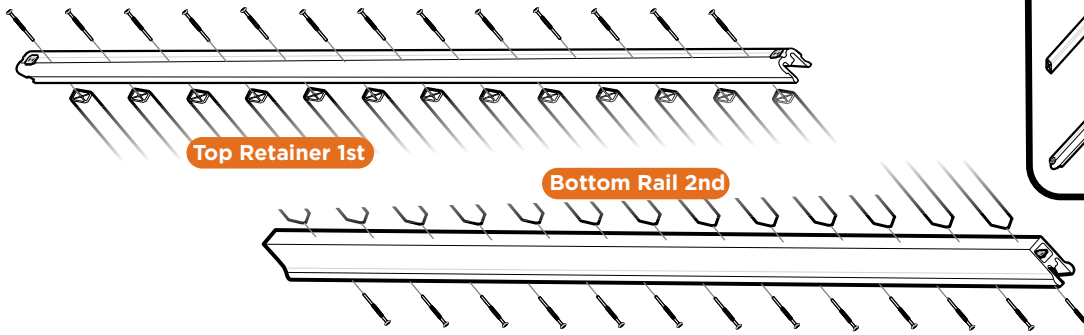


*** Longer balusters may be required in order to meet local code referring to top rail heights.**

Tips:
*** When cutting balusters trim off as little material as possible to ensure a full length baluster.**

*** Use stop block on Miter Saw for equal length balusters.**

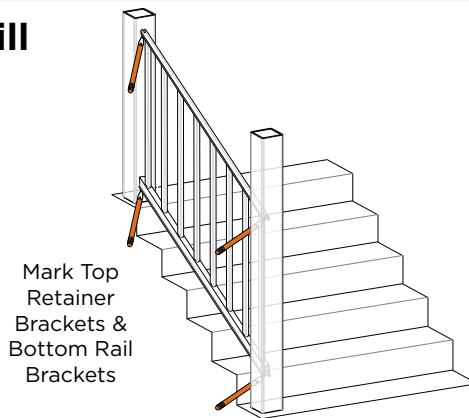
12 Assemble Rail Section: Fasten Balusters To Top Retainer & Bottom Rail



13 Mark and Drill for Brackets



WARNING:
Be sure to check local code requirements for proper bottom rail location and top rail height and be sure that you have the proper height balusters to meet those requirements.

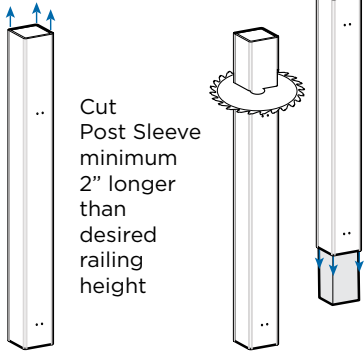


Important:
Be sure to only drill through Post Sleeve. Be careful not to mar Balusters with Drill Chuck. Drill holes for brackets at the same angle that screws will be installed.

Now Drill with $\frac{3}{16}$ " Drill Bit



14 Cut Post Sleeves



15 Attach Rail Section to Posts



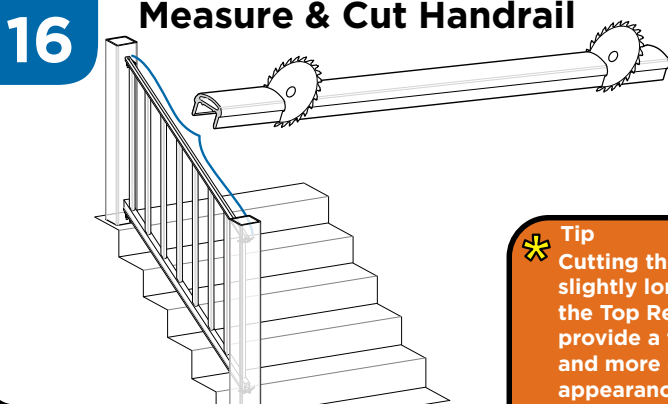
Important:
Do not over torque screws when fastening bracket to posts as this may cause post sleeves to crack



IMPORTANT
Make sure that the DRIVE TOOL/DRILL is configured or set to use the SCREW setting when driving and/or tightening all FASTENERS.



16 Measure & Cut Handrail



Tip
Cutting the handrail slightly longer than the Top Retainer will provide a tighter fit and more accurate appearance.

17 Attach Handrail to Top Retainer



IMPORTANT
Make sure that the DRIVE TOOL/DRILL is configured or set to use the SCREW setting when driving and/or tightening all FASTENERS.

