

- 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](http://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

### Hardware

- (1) Spring Clip Installation Tool
- (2) Top Rail Straight Bracket
- (2) Threaded Plates
- (2) Spring Clip Threaded Plate Retainer
- (2) Bottom Bracket Base
- (2) Bottom Bracket Flange + Set Screw
- (5) 1" #8 Wood Screws
- (8) 5/8" #10 Machine Screws
- (1) 3/16" Allen Key
- (1) T-25 Bit
- (2) Baluster Swing Brackets
- (1) Center Support Bracket
- Baluster Screws (28) 6' Kit (38) 8' Kit
- (8) 2 1/2" #10 Wood Screws

### Parts

Trademark Profiles Shown Throughout Instructions

- (1) Handrail
- (1) Top Retainer
- (1) Bottom Rail
- Balusters (13) 6' Kit or (18) 8' Kit
- US: (1) 4 3/8" Center Support
- Canada: (1) 2 3/8" Center Support

### IMPORTANT

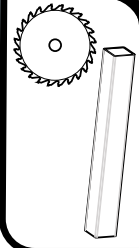
Make sure that the DRIVE TOOL/DRILL is configured or set to use the SCREW setting when driving and/or tightening all FASTENERS.

### 1 Prepare for Post Sleeves

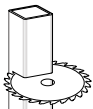
**WARNING:** Post sleeves are not designed to be used in structural applications. Therefore, they should not be used where they may be subject to weight bearing applications such as supports for a roof of a porch or deck.

- 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



### Cut Post Sleeves



Cut Post Sleeve minimum 2" longer than desired railing height

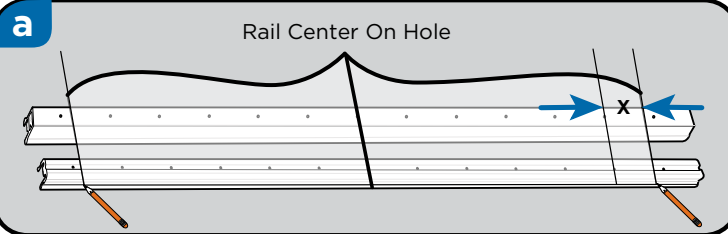
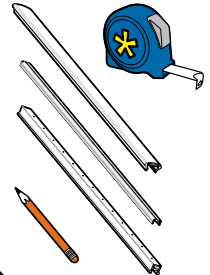
Do not force the Post Sleeve over the 4 x 4 as it may eventually lead to a crack or split



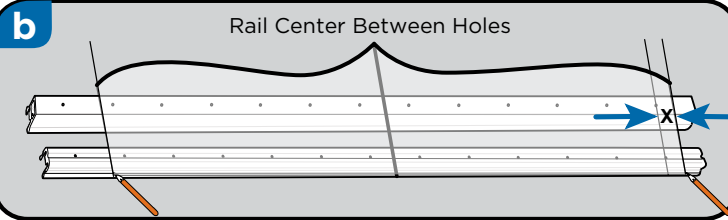
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### Measure & Mark Top Retainer, Bottom Rail, & Handrail Ensuring Proper Hole Spacing ... And Cut

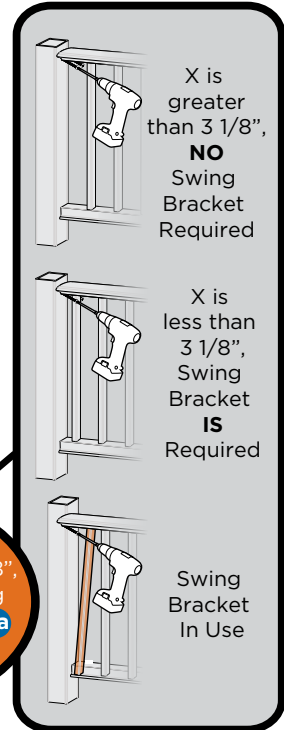
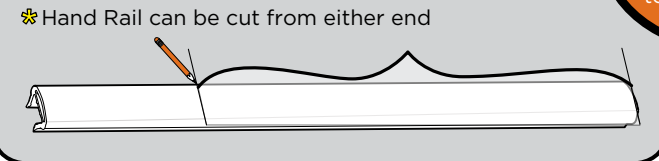
- ✳ Ensure Posts are square and plumb
- ✳ Take measurements between bottom of posts for more accurate rail length
- ✳ Leave Handrail 1/16" longer than Top Retainer for a tight fit



**a** If X is greater than 4 3/8", Baluster spacing will not meet Code. Shift Rail Center from (a) Center on Hole to (b) Center Between Holes.



✳ Most building codes require that a 4" sphere shall not pass through the rail at any point. To comply with 4" sphere rule, a 6 ft. section must be cut a minimum of 7/8".



**b** If X is less than 3 1/8", use Baluster Swing Brackets in Step 6a to allow access in Step 13

Now Cut

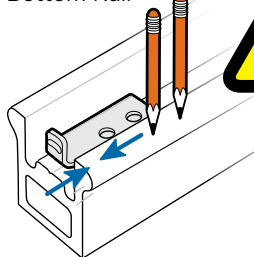
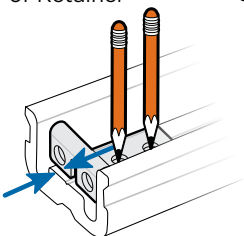
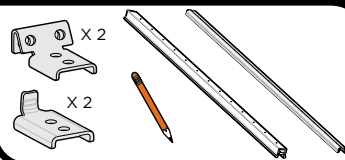


4

### Measure, Mark & Drill for Brackets

Mark Bracket 1/16" from end of Retainer

Mark Bracket 1/8" from end of Bottom Rail



**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



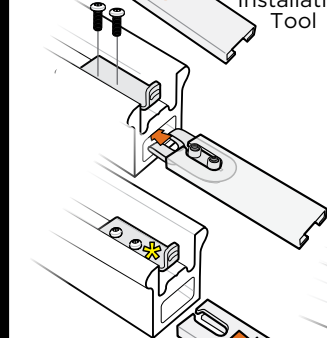
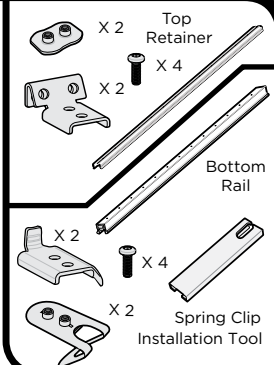
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### Install Brackets

#### Bottom Rail

1 Close Spring Clip and insert into Installation Tool

2



Top Retainer

✳ Remove installation tool before fully tightening bracket screws

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

**6a** If NOT using swing bracket, skip to step **6b** (Determined in Step **3**)

### Trim End Balusters & Install Swing Brackets

Trim  $\frac{3}{8}$ " off Balusters to make room for swing brackets

X2  
X2  
X2

### Assemble Rail Section: Fasten Balusters to Top Retainer & Bottom Rail

X2 End Baluster Assy.  
Rail assemblies from step # **5**

Bottom Rail 2nd

Top Retainer 1st

**\*Tip** Back out end baluster screws  $\frac{1}{2}$  turn to allow baluster to swing in step **13**

**6b** If using swing bracket, ignore this step (Determined in Step **3**)

### Assemble Rail Section: Fasten Balusters to Top Retainer & Bottom Rail

Bottom Rail 2nd

Top Retainer 1st

**7** Install Center Support For Rail Length Over 4'

Rail assembly from step 6

**\*TIP** For most applications, use the  $4 \frac{3}{8}$ " support. For installation in Florida or Canada, use supplied  $2 \frac{3}{8}$ " Center Support

**8** Mark and Drill for Bottom Bracket Flange

**\*Tip** For most locations, install Bottom Bracket Flange  $4 \frac{1}{16}$ " from the deck surface

**\*Tip** For installation in Florida or Canada, mark Bottom Bracket Flange  $2 \frac{1}{16}$ " from the deck surface

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

**IMPORTANT:** Be sure to only drill through Post Sleeve

**9** Install Bottom Bracket Flange

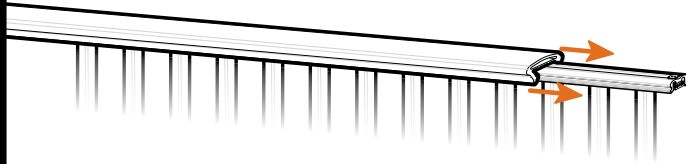
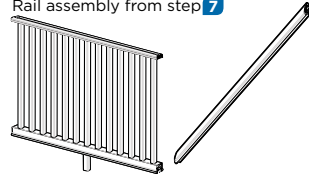
Make sure bottom bracket is angled down for access in step **14**

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

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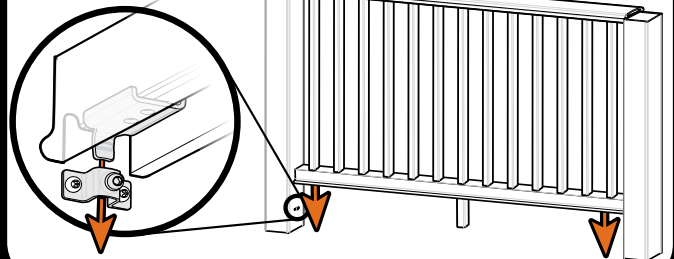
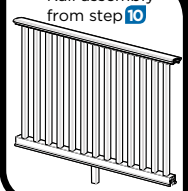
### 10 Slide Handrail onto Rail Section

Rail assembly from step 7



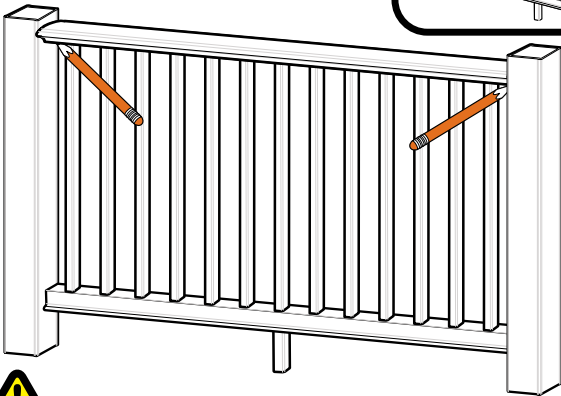
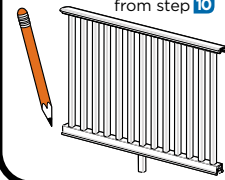
### 11 Hook Rail Section onto Bottom Bracket Flange

Rail assembly from step 10



### 12 Mark and Drill for Top Retainer Brackets

Rail assembly from step 10



#### IMPORTANT:

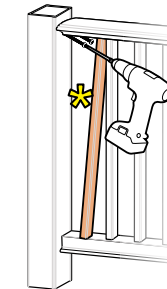
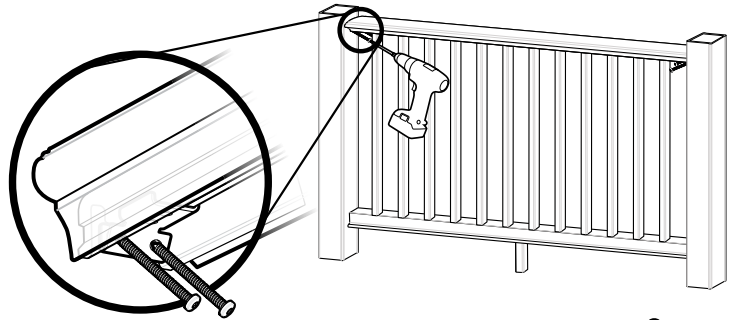
- Be sure to only drill through Post Sleeve
- Be careful not to mar Balusters with Drill Chuck
- Drill holes for brackets at the same angle that screws will be installed

Now Drill



### 13 Attach Rail Section to Posts

X 4



#### \* Tip

If using Swing Brackets, swing End Balusters away from posts for better clearance



#### IMPORTANT:

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

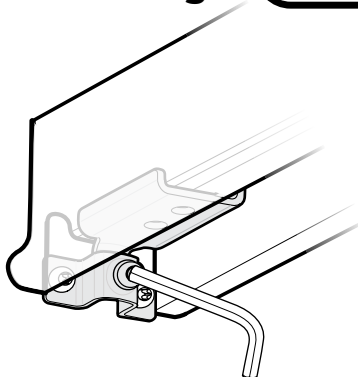


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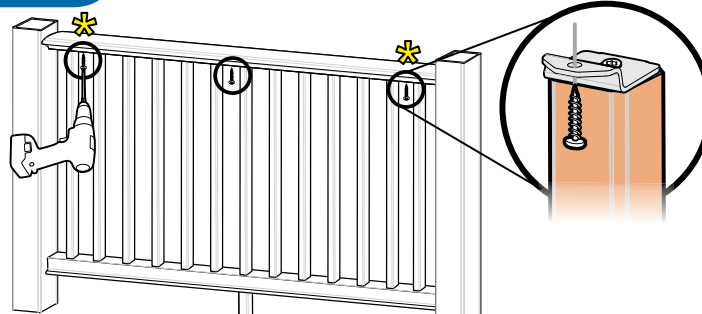


### 14 Tighten Bottom Bracket Flange



### 15 Attach Handrail to Top Retainer

X 3



\* Tip If using Swing Brackets, swing End Balusters back to plumb and attach to top retainer



#### IMPORTANT

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