



TIMBERTECH CLASSIC COMPOSITE SERIES AND RESERVE RAILING INSTALL GUIDE

Installing TimberTech Railing with Balusters 3
Installing TimberTech Stair Railing with Balusters 9

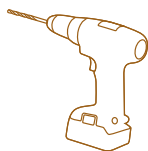
TimberTech Reserve Rail can be installed with a continuous Top Rail in up to 16' lengths, measured from the center of the end posts. These applications require the use of a 4" Post Sleeve, 4" Post Skirt and a 4" x4" Post as an intermediate post, as well as unique fastening procedures. This Install Guide details these unique procedures.

INSTALLING RAILING WITH BALUSTERS

FOR CLASSIC COMPOSITE SERIES AND RESERVE RAIL



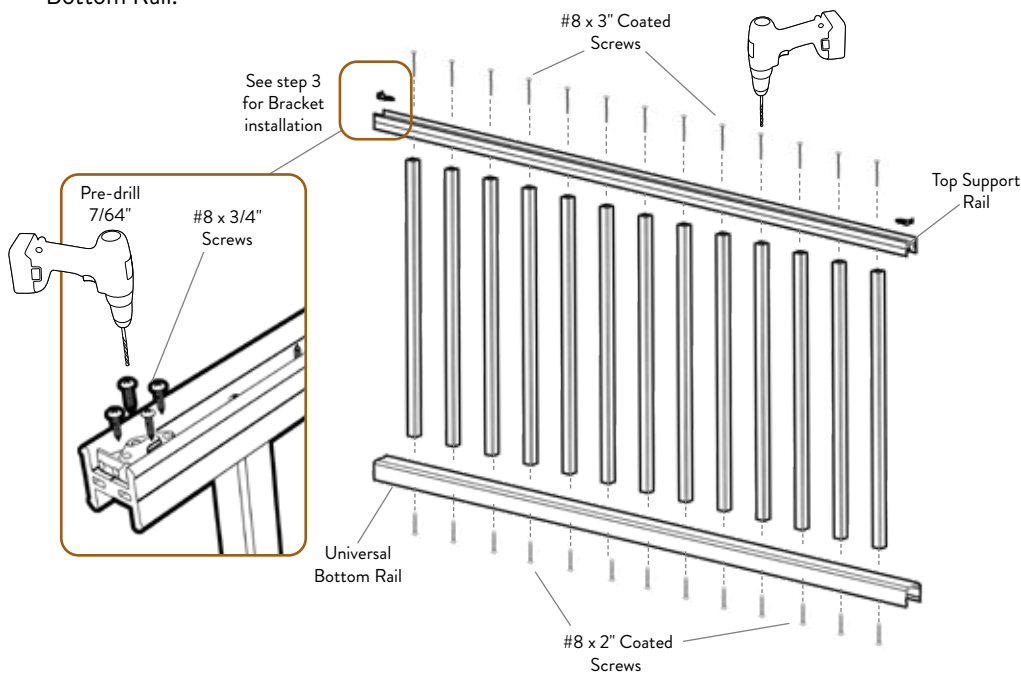
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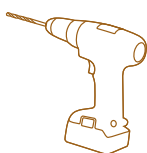
ASSEMBLE BALUSTER SECTION

- Attach Mounting Brackets at each end of the Top Support Rail (outlined in Step 3).
- Attach balusters using pre-drilled holes starting with the support rail and then the Universal Bottom Rail.

! For 10' rail sections utilizing aluminum support rail, when attaching Mounting Brackets at each end of the Top Support Rail, pre-drill using a 9/64" drill bit (instead of 7/64" bit).



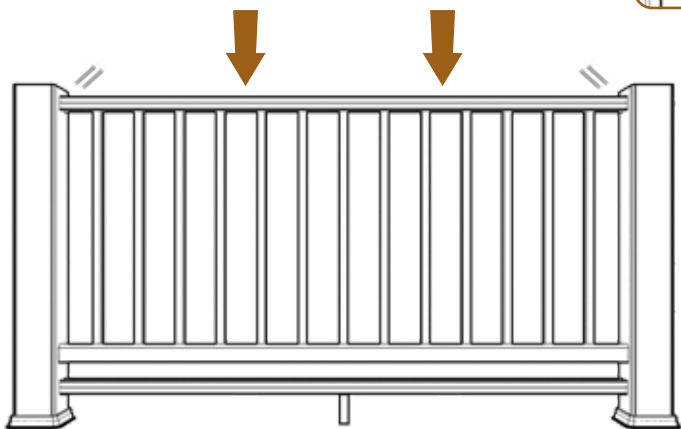
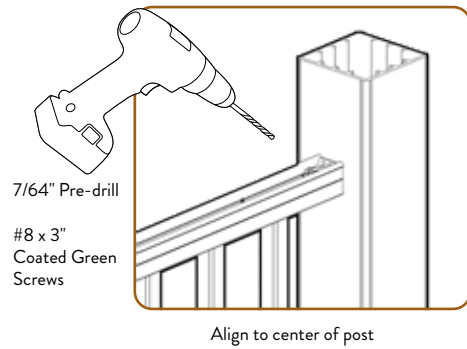
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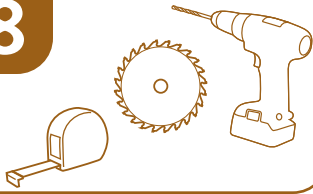
INSTALL RAIL ASSEMBLY

- Place finished section on Bottom Support Rail.
- Align Top Support Rail to center of Posts.
- Attach brackets on Top Support Rail to posts.

! NOTE: If installing a Deck Board as a Top Rail, please refer to Deck Rail Install Guide.



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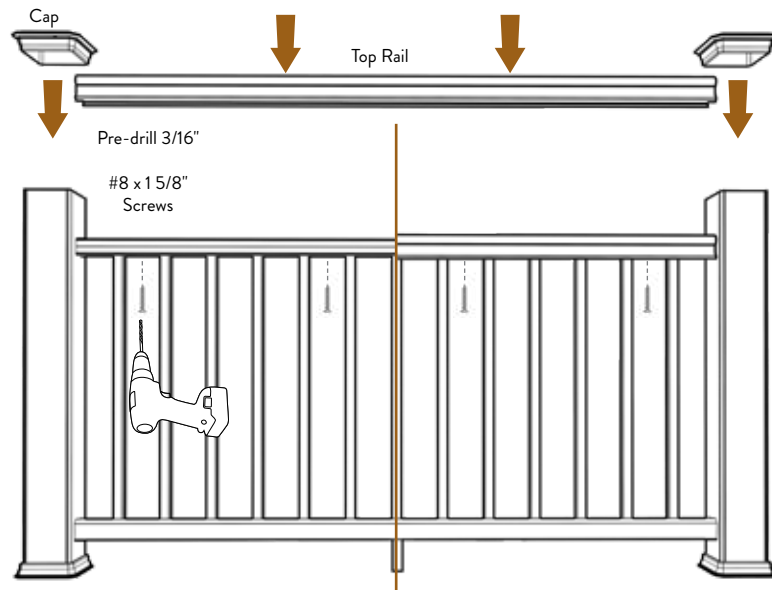


INSTALL TOP RAIL AND POST CAPS

- Measure and cut Top Rail (not included) to length. Trim both ends for a clean cut. If installing Deck board as Drink Rail, please refer to Drink Rail Install Guide
- **Important:** Pre-drill 3/16" holes through the top support rail as illustrated below.
- Attach Top Rail using 1 5/8" screws, driving screws up through bottom of support rail into Top Rail.
- Attach Post caps using exterior grade caulk applied to the underside of the cap.



Caution: Screws must be 1 5/8" so they won't go through the Top Rail on straight rail sections.

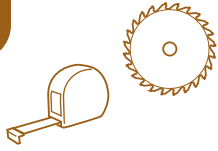


INSTALLING STAIR RAILING WITH BALUSTERS

FOR CLASSIC COMPOSITE SERIES AND RESERVE RAIL

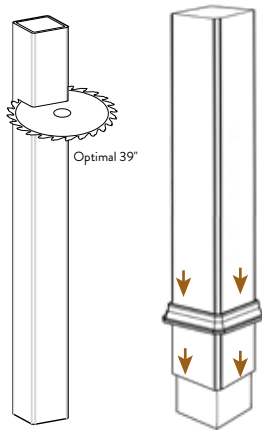


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INSTALL POST SLEEVES

- Trim Post Sleeves to desired length.
- Slide Post Sleeves and Post Skirt over post (do not force). Post sleeve will be slightly larger than the post.
- Ensure posts are square and plumb. Shim to plumb as needed.



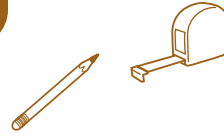
IMPORTANT NOTES:

Be sure to cut Post Sleeves such that finished rail height is at least 36" high for a 36" rail application and 42" high for a 42" application.

For all rail installations, post and post covers must be plumb and aligned with one another.

For Over-the-Post applications, it is critical that Posts be of a consistent height (e.g. the tops of all post sleeves are level and on plane with each other).

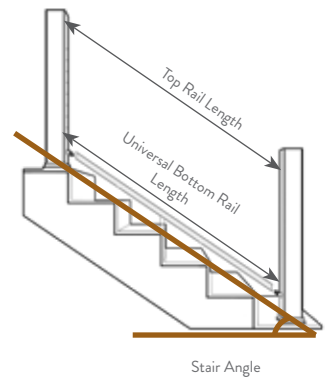
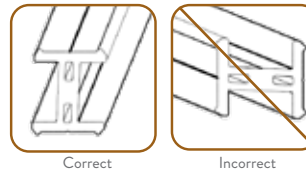
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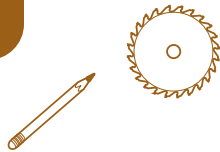
MEASURE SUPPORT RAILS

- Determine measurements and angle as shown.
- Trim both the Top Support Rail and the Bottom Support Rail to those dimensions.
- Test fit rails to check for accuracy.

Support Rails are rotated 90° for stair rail applications.

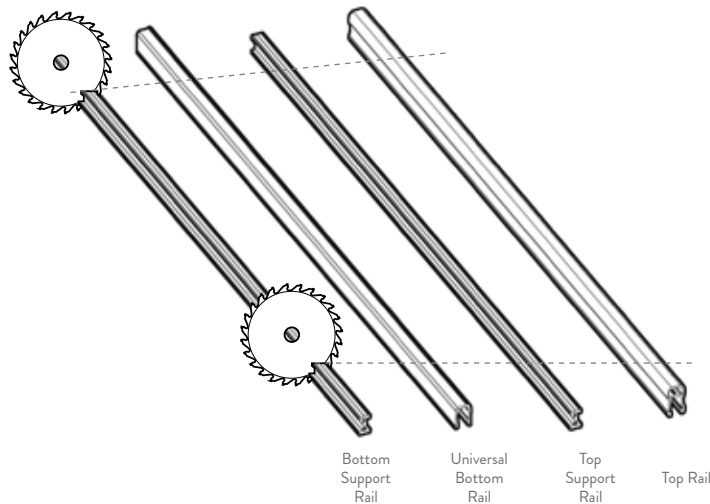


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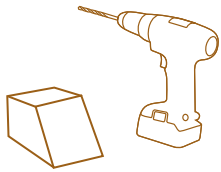
TRIM RAILS

- Transfer measurement from Bottom Support Rail to Universal Bottom Rail.
- Trim Top Rail to match Top Support Rail at appropriate angle.



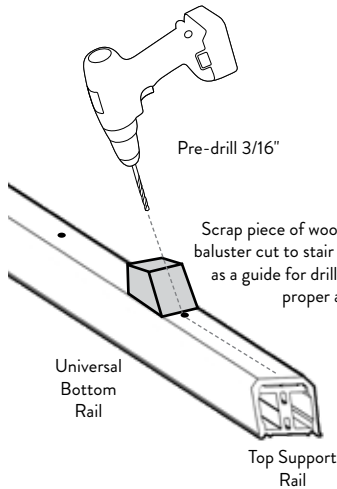
This entire section of instructions is for installation of Classic Composite Series and Reserve Rail systems. Installation of the RESERVE RAIL system is identical to the Classic Composite Series, except it uses the RESERVE BOTTOM RAIL instead of the Universal Bottom Rail.

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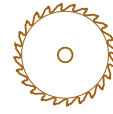


DRILL BALUSTER HOLES

- Place the Universal Bottom Rail and the Top Support Rail together as shown to keep the holes aligned.



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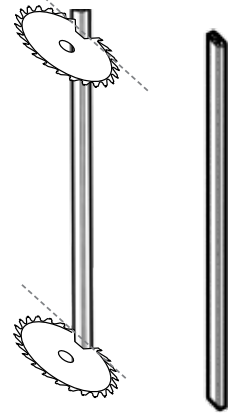
TRIM BALUSTERS

Trim Baluster ends to required angle as shown.

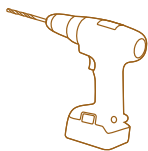
Important: Start cut at top edge to maximize the length.

Aluminum stair Balusters are precut to a stair angle and are not to be cut on the job site.

- Trim TOP of Foot Block to stair angle as well.



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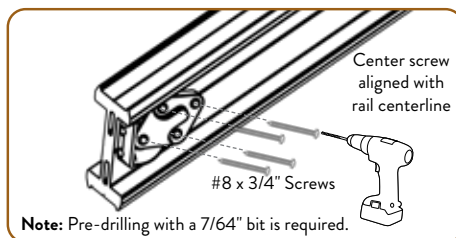
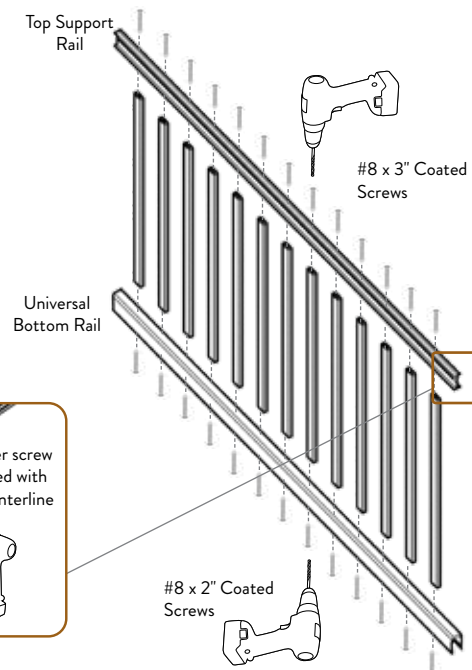


ASSEMBLE BALUSTERS

- Attach Balusters to Top and Bottom Support Rails and attach Brackets to Top Support Rail.

! Tip for Universal Bottom Rail: Partially drive screws into all Balusters before driving them in completely.

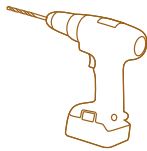
! Brackets must be on the side of the rail facing the stairs.



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INSTALL BOTTOM SUPPORT RAIL

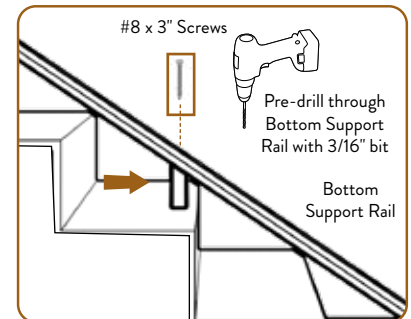
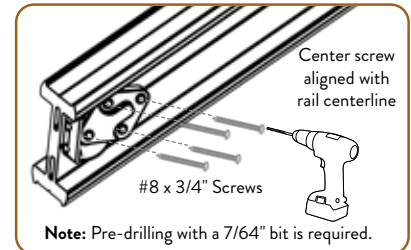
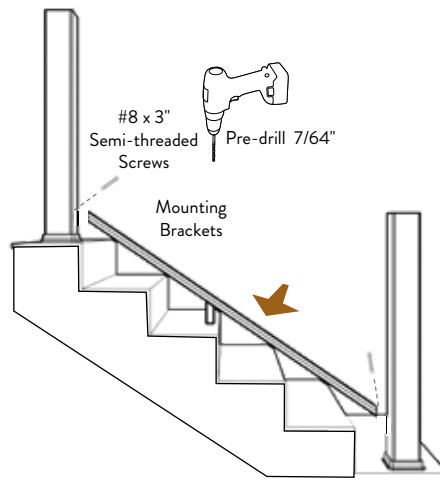
- Attach Mounting Brackets to Bottom Support Rail.
- Secure Mounting Brackets to posts.
- Wedge Foot Block under Support Rail & Attach.



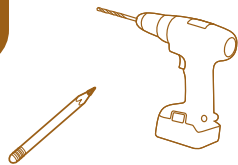
Brackets must be installed to the stair tread side of the rail.

For sections up to 6': Place one Foot Block in the center of the rail.

For sections 6' to 8': Space two Foot Blocks approximately at 1/3 intervals on the rail.

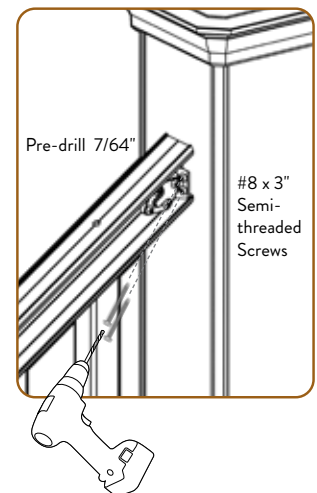
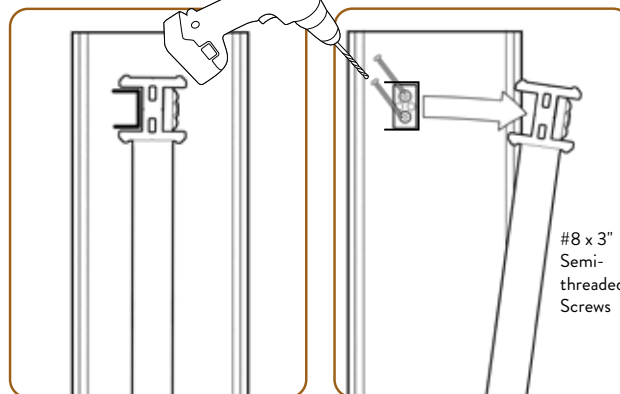
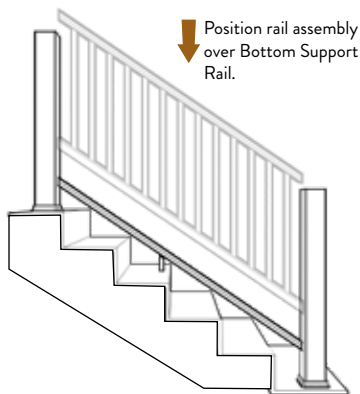


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INSTALL RAIL ASSEMBLY

- Mark ends of support rail for position of support block.
- Rotate Rail assembly out of way to fasten Support Block.
- Secure Mounting Brackets to Posts.



NOTE: If installing a Deck Board as a Top Rail, please refer to Deck Rail Install Guide.

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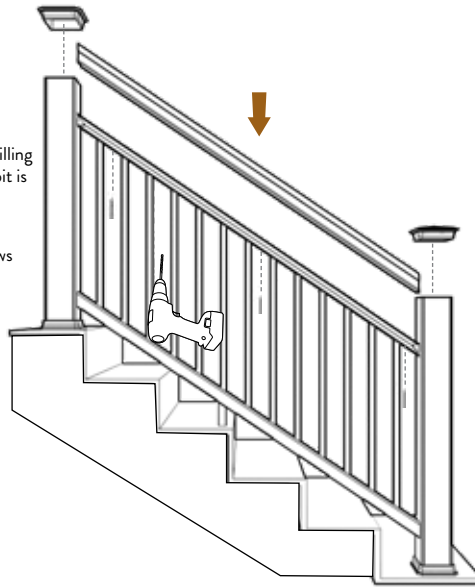
INSTALL TOP RAIL AND POST CAPS

- If installing Deck board as Drink Rail, please refer to Drink Rail Install Guide
- Attach Top Rail using 2 5/8" screws, driving screws up through bottom of support rail into Top Rail.
- Attach Post caps using exterior grade caulk applied to the underside of the cap.



For typical stair angles, use provided 2 5/8" Screws to fasten the Top Rail.

Note: Pre-drilling with a 3/16" bit is required.
#8 x 2 5/8"
Coated Screws





AZEK Building Products
1330 W Fulton Market, Suite #350
Chicago, IL 60607
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