

**300 Series Stair Railing Kit Includes:**

2 - Top/Bottom Rails w/aluminum inserts

Vinyl Balusters

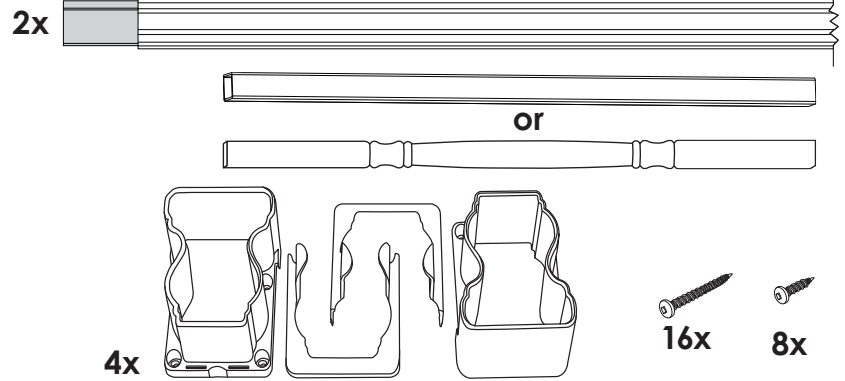
Square or Turned

(6' kit - 12, 8' kit - 17)

4 - Mounting Brackets plus hardware covers

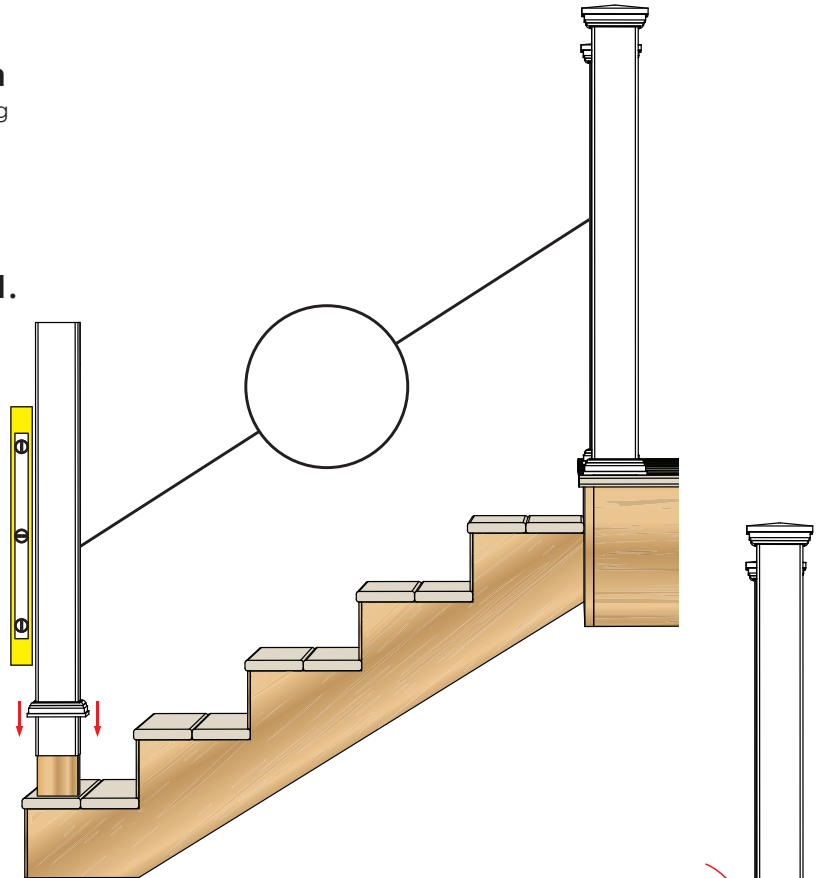
16 - #14 SS Mounting Screws

8 - #10 SS Mounting Screws


**1. Install Post Sleeves and Measure Rail Length**

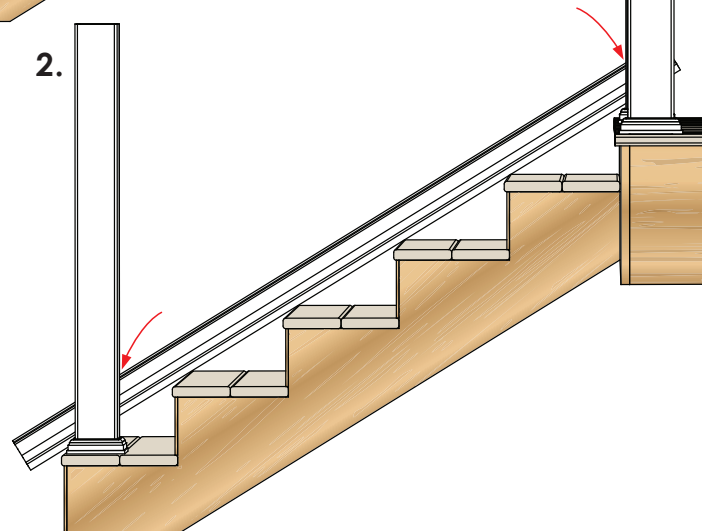
Plumb posts/mounting surfaces. Slide post sleeve and base trim ring over post. Measure distance between mounting surfaces.

1.


**2. Cut Bottom and Top Rail To Length**

Lay Bottom Rail (baluster pockets up) on stair run. Balance out equal and maximum distance from baluster to newel post. Mark rail ends at post intersection. You may cut both vinyl and aluminum insert at the same time with a mitre box set to proper angle (see blade manufacturer's specs for correct saw blade). If mounting surfaces are plumb, top rail will be the same length as bottom rail. Be sure that baluster pockets align with bottom rail when measuring.

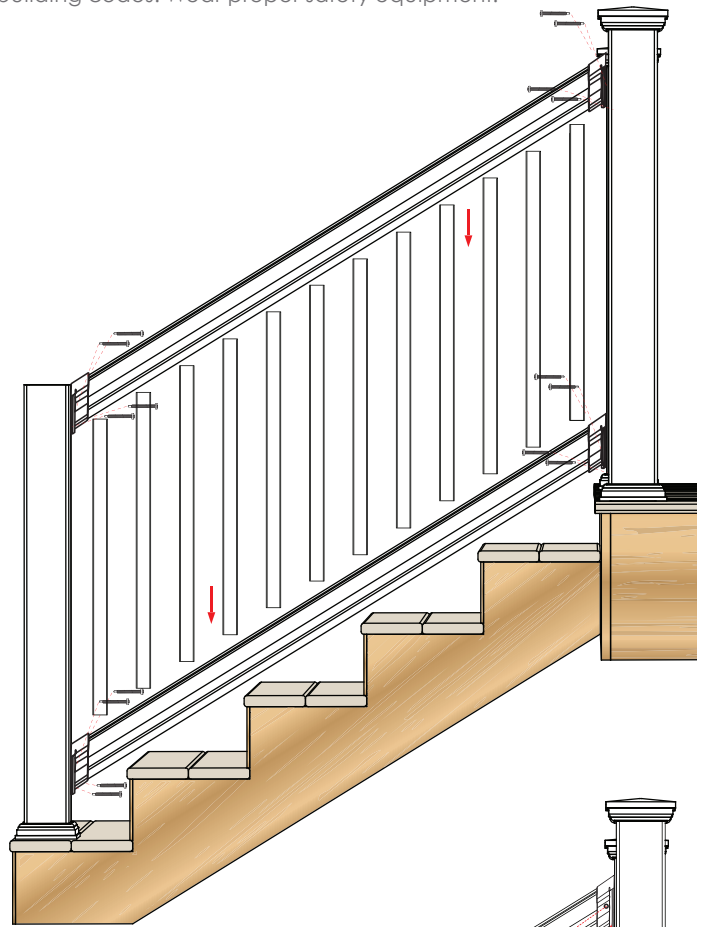
2.



### 3. Install Rail Sections

Remove bracket covers and slide brackets over rail ends on top and bottom rail. Place bottom rail in place between mounting surfaces. Center brackets on mounting surface and drill four 1/8" holes for bracket screws. Attach bottom rail brackets at both the top and bottom of stair run. Insert balusters in bottom rail. Starting at the bottom of the stairs, hold top rail at a slight angle and insert balusters into baluster pockets. Center top rail brackets, pre-drill 1/8" holes and install eight #14 screws (four per bracket).

3.



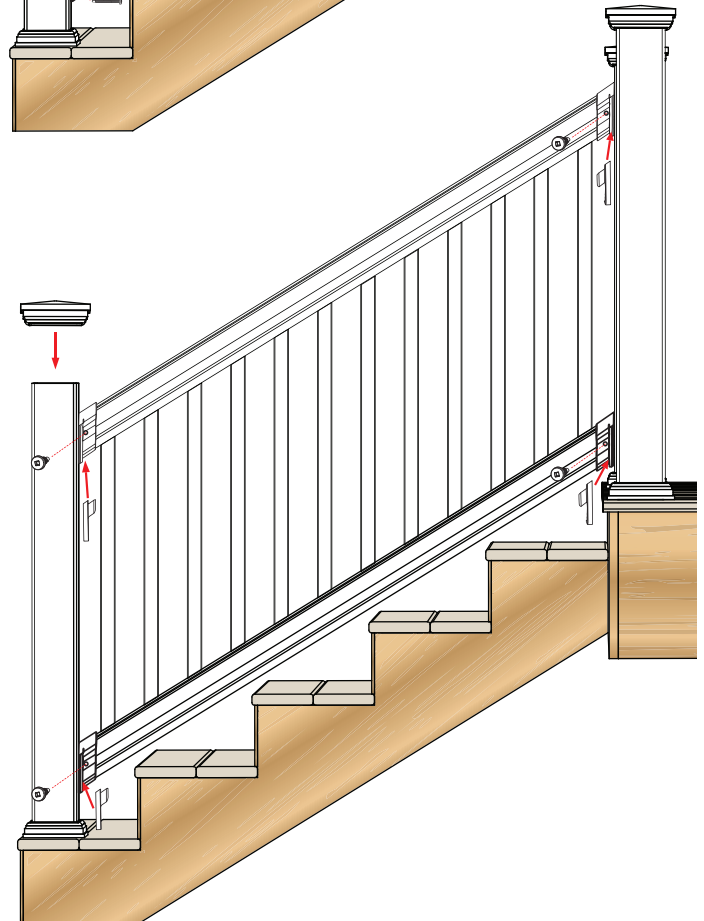
### 4. Install Bracket Screws and Post Caps

**(4.a)** With top rail installed and end spacing balanced out on both ends, pre-drill a 1/8" hole through the side of brackets (4). Install #10 screws two (per bracket) in the side of the mounting bracket, centered. This will lock the end of rails into the brackets.

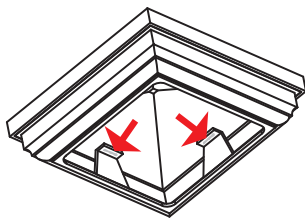
**(4.b)** Snap bracket hardware cover over bracket.

**(4.c)** Apply a bead of silicone to the inside tabs of post caps and slide in place.

4.



4.c



Please Note: Gap between deck and bottom rail should not exceed 4". It is the responsibility of the installer to meet or exceed all code and safety requirements, and to obtain all required building permits. These instructions are only a guide and may not address every circumstance. The deck and railing installer should determine and implement appropriate installation techniques for each situation. **Tuscan Manufacturing shall not be held liable for improper or unsafe installations.**