

# Swivel Bracket Installation for Stairs & Custom Angle Posts

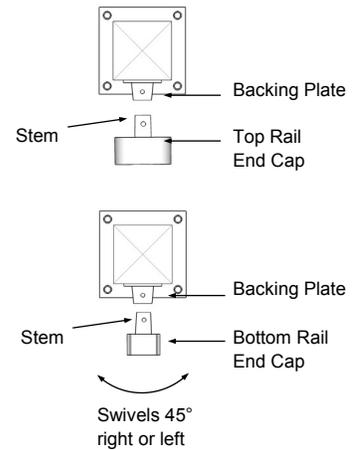
Residential installation only. Commercial applications may differ.  
Always check with local building codes prior to purchasing and installing this product.

*Note: If using stair line post, refer to those instructions first.*

- Loosely mount the posts at the desired locations on stair treads.
- To determine the stair swivel bracket location, lay the bottom rail along the stair nosing and using the top of the railing, mark a line on the top and bottom posts. For the upper post, draw a line  $1 \frac{5}{8}$ " up from this line. For the lower post, draw a line  $2 \frac{3}{4}$ " up. Locate the top of the backing plate on these lines and secure with 2 #10 x  $\frac{3}{4}$ " tek screws. Measure up  $30 \frac{1}{8}$ " from the top of these backing plates to the bottom of the backing plates for the top rail and attach them.
- Slide the end caps into the backing plates. Secure with 2- #10 x  $\frac{1}{2}$ " tek screws through the holes in the side of the backing plate into the pre-drilled holes of the end cap stem if so desired.
- Following the stair angle and with posts held plum measure between the back of the installed swivel bracket end caps. Deduct  $\frac{1}{2}$ " from this measurement and cut top and bottom rails to length. Install into the top and bottom swivel bracket end caps and secure with 2- #10 x  $\frac{3}{4}$ " tek screws then plumb and tighten down the posts left loose in step 1.
- Starting from the bottom post, insert pickets as per the picket installation sheet.

*Note: For 36" high railing, the deck post at the top of the stairs should be installed no greater than  $\frac{3}{4}$ " from the edge of the deck. Depending on location a 42" stair post may be required at the top and / or bottom of the stairs.*

## Swivel Brackets for Custom Angle Posts



- Measure up  $1 \frac{7}{8}$ " from the baseplate to the bottom of the backing plate. Secure with 2 - #10 x  $\frac{3}{4}$ " tek screws.
- Maintain  $36 \frac{1}{8}$ " between upper and lower backing plates and attach upper plate.
- Slide end caps into backing plates and secure with 2 - #10 x  $\frac{1}{2}$ " screws through the holes in the top & bottom of the backing plate into the predrilled holes of the end cap stem.
- Top and bottom rails to be secured with 2- #10 x  $\frac{3}{4}$ " tek screws.

