

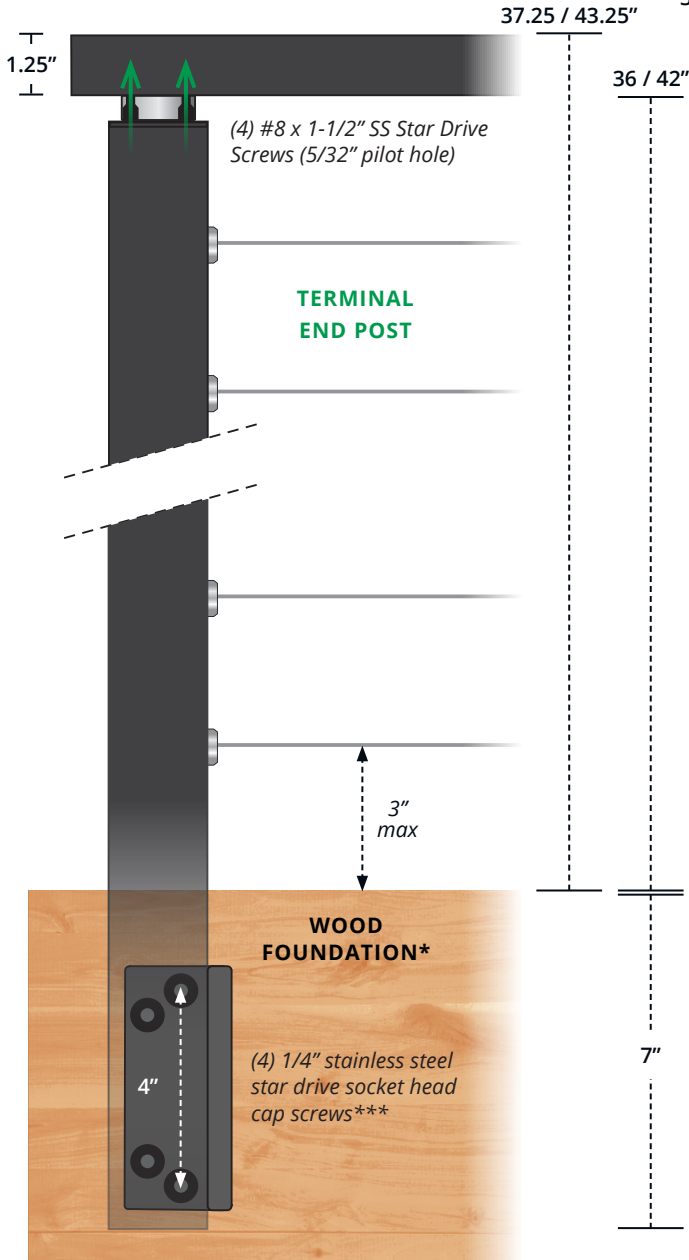
SIGNATURE SERIES SIDE MOUNT POST

36" | 42"

END | INSIDE CORNER | OUTSIDE CORNER | 2-WAY | LINE

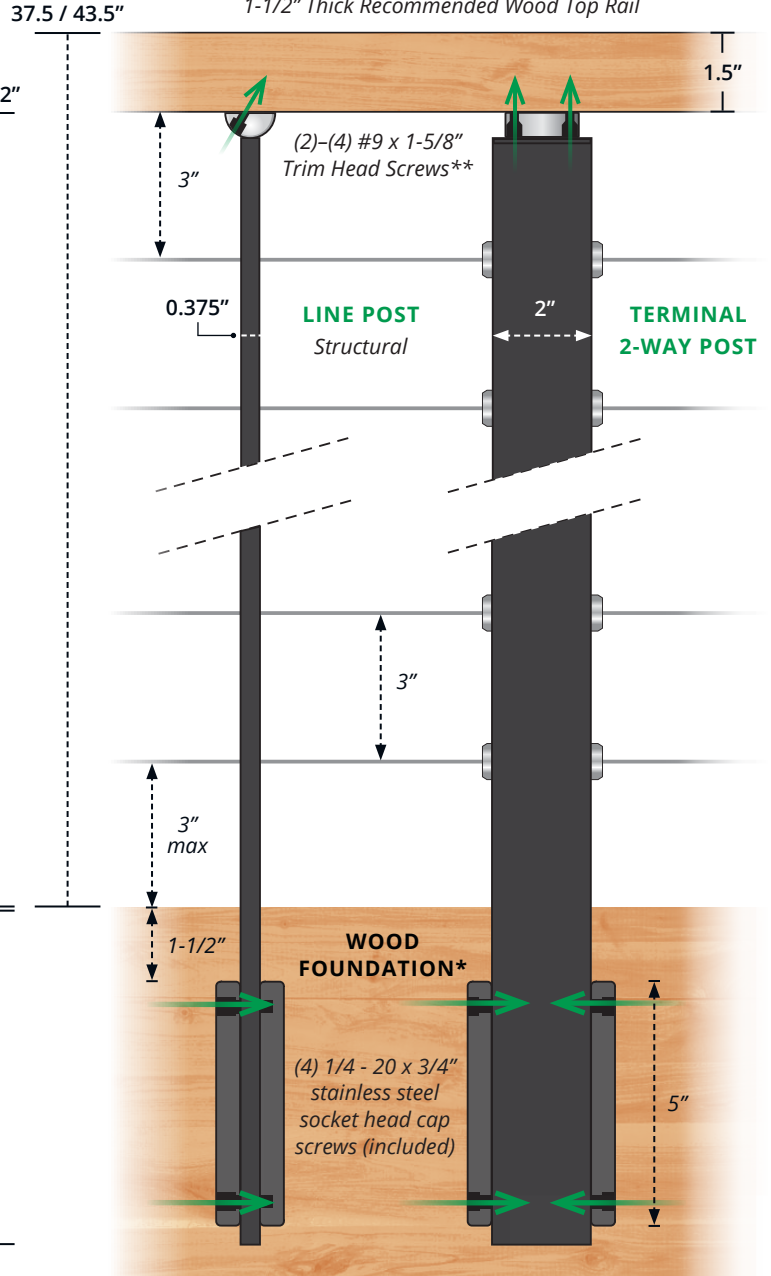
ALUMINUM HANDRAIL

Cable Bullet Handrail SKU #HRA-1.24-93



CUSTOM WOOD TOP RAIL

1-1/2" Thick Recommended Wood Top Rail



IMPORTANT: It is the installer's responsibility to make certain the structure supporting your posts is able to handle the transferred loads of the railing system (+150 lbs of tension/cable).

* Ensure proper blocking to secure against a 200 lb. concentrated load.

** Screw length will vary by handrail thickness.

*** Custom Cable Bullet screw with continuous thread to maximize holding strength. See pg. 2 for screw length recommendations.

Please Note: Side mount posts NOT recommended for projects with concrete foundations.

TOOLS

- Drill/impact driver
- 3/16" drill bit
- 1/4" drill bit (optional)
- T30 x 6" star drive power bit
- 3/16" Allen wrench
- Level
- Tape measure
- Chalk line (optional)

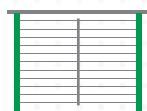
SUPPLIES

- Bracket mounting screws*
1/4" SS star drive socket head cap screws
- Post mounting screws (included)
1/4 -20 x 3/4" head cap screws
- Plastic composite shims (optional)

*Post brackets **MUST** be anchored to project structural frame (joists, blocking, etc) and all 3" of mounting screw threading should be engaged in structural material. If mounting directly to structural material, use 3-1/2" long mounting screws. If mounting through non-structural material (veneer or trim), use 4-1/2" long mounting screws.

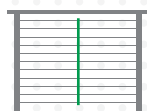
POST SPACING: CABLE SUPPORT

Follow these guidelines for optimal cable tension and to minimize cable deflection. For commercial projects, consult your local building code requirements.



TENSIONING POST SPACING | 20' MAX

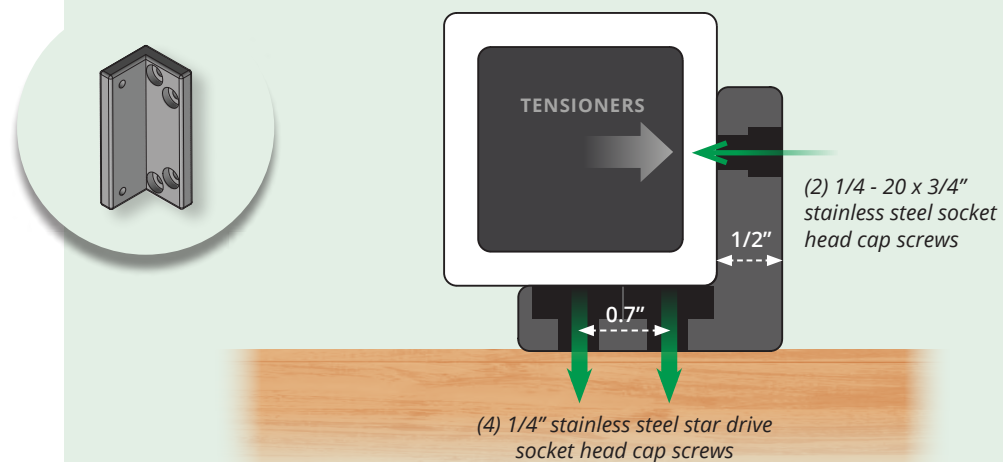
To ensure adequate cable tension (150#) use 2 end posts (back-to-back) to cover longer runs.



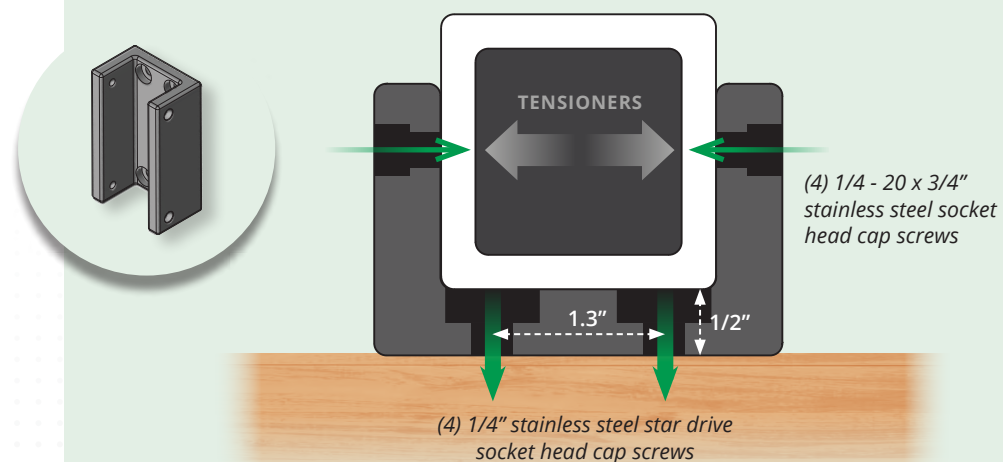
CABLE SUPPORT | 4' MAX

To minimize deflection under load, add intermediate posts, or cable spacer bars every 42-48 inches.

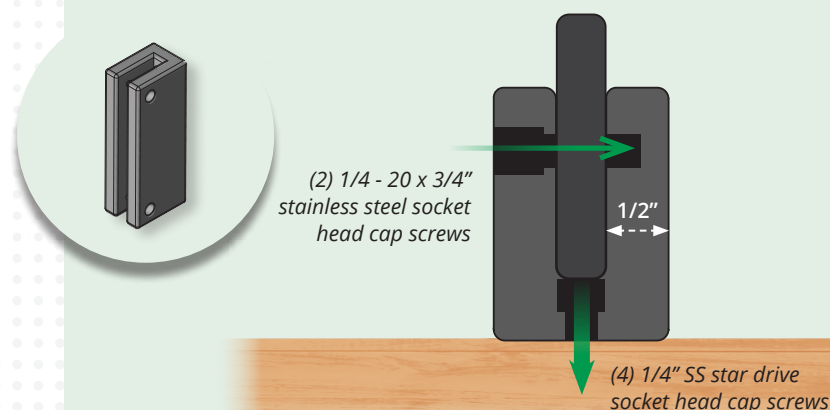
END POST BRACKET



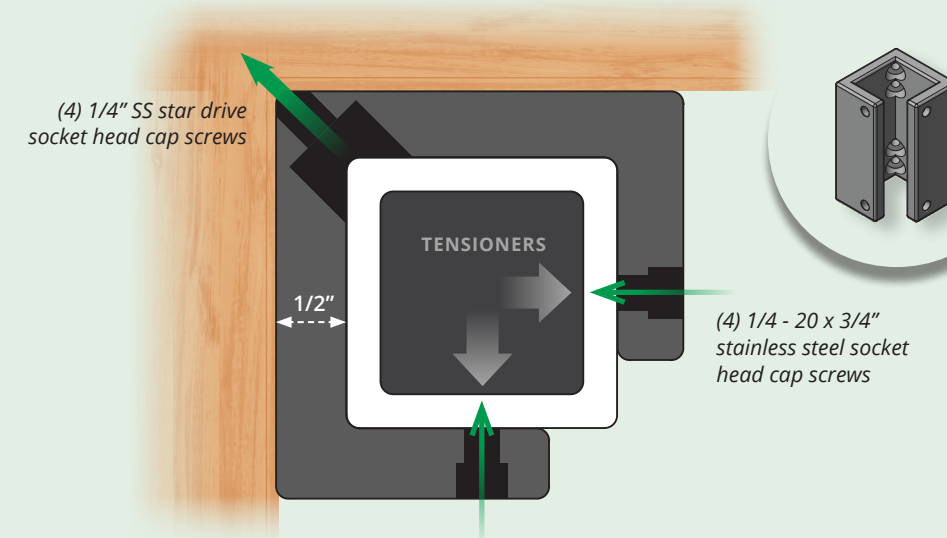
2-WAY POST BRACKET



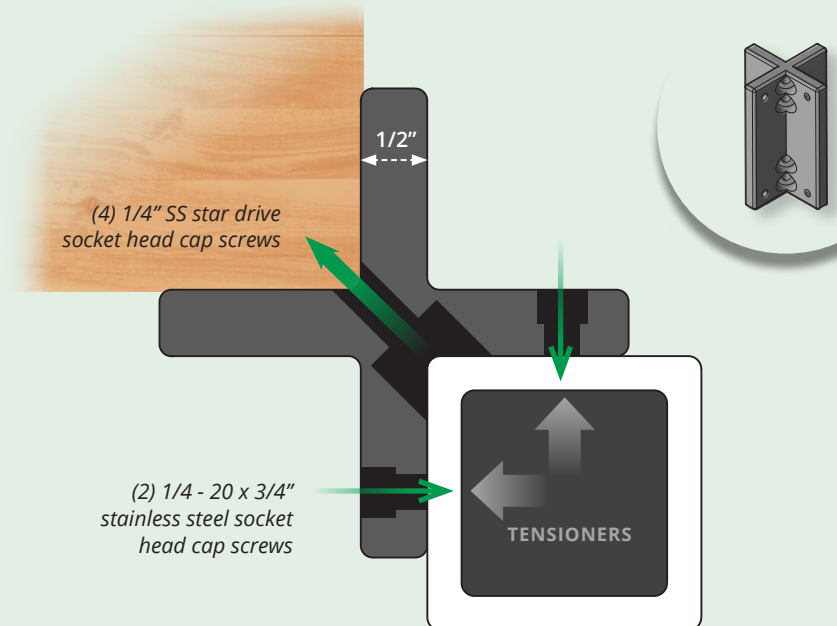
INTERMEDIATE POST BRACKET



INSIDE CORNER BRACKET



OUTSIDE CORNER BRACKET



BEFORE STARTING...

Use your post layout to determine the location of post bracket. **NOTE:** The distance from the surface of your deck to the bottom cable run should not exceed 3 inches.

STEP 1 | MOUNT BRACKET

Drill a single 3/16" pilot hole, and drive in the first mounting screw. Do not tighten screw all the way, and check that bracket is level. Repeat process for all bracket mounting screws.



PRO TIP: Mark each mounting screw location with a 1/4" drill bit to keep the bracket from wandering and best center the 3/16" pilot hole in the bracket.

STEP 2 | TIGHTEN SCREWS

Check that bracket is level and plumb, then tighten all screws.



PRO TIP: If necessary, use plastic composite shims to plumb and level bracket.

STEP 3 | INSTALL POST

Place post inside bracket, aligning the tapped holes. Attach post to bracket with head cap screws. Use 3/16" Allen wrench to advance screws. Check that post is plumb.

STEP 4 | REPEAT PROCESS

Repeat steps for the remaining brackets and posts. Your project is now ready for top rail. Refer to the handrail installation instructions or for more information, visit www.cablebullet.com/blogs/guides.



IMPORTANT: All recommendations and rail components are designed to comply with the International Residential Code (IRC). Because building codes may vary it is the installer's responsibility to verify that the installed system complies with all applicable state and local building codes.

For more information visit: www.cablebullet.com/pages/terms-conditions

POST PLACEMENT ON STAIRS

STEP 1 | SET FIRST POST

Install either the tensioning post at the top of your staircase or the post at the landing / bottom of staircase.

STEP 2 | MEASURE

Find the rake plane of your steps **A**. Measure the distance **B** from that plane to the top of your bracket at the face of the post where the cable runs. Measure distance **B** 1/4" from the face of the post to account for the length of the Cable Bullet tensioner.*

STEP 3 | SET END POST

Use the distance **B** found in Step 2 to set the tensioning post at the other end of the stairs. The distance from the top of the bracket to the plane of the steps must remain consistent when setting each post bracket.

STEP 4 | ADD LINE POST(S)

If placing intermediate post(s) on stairs, find post location and place the center of the top of the intermediate bracket distance **B** from the plane of the steps.

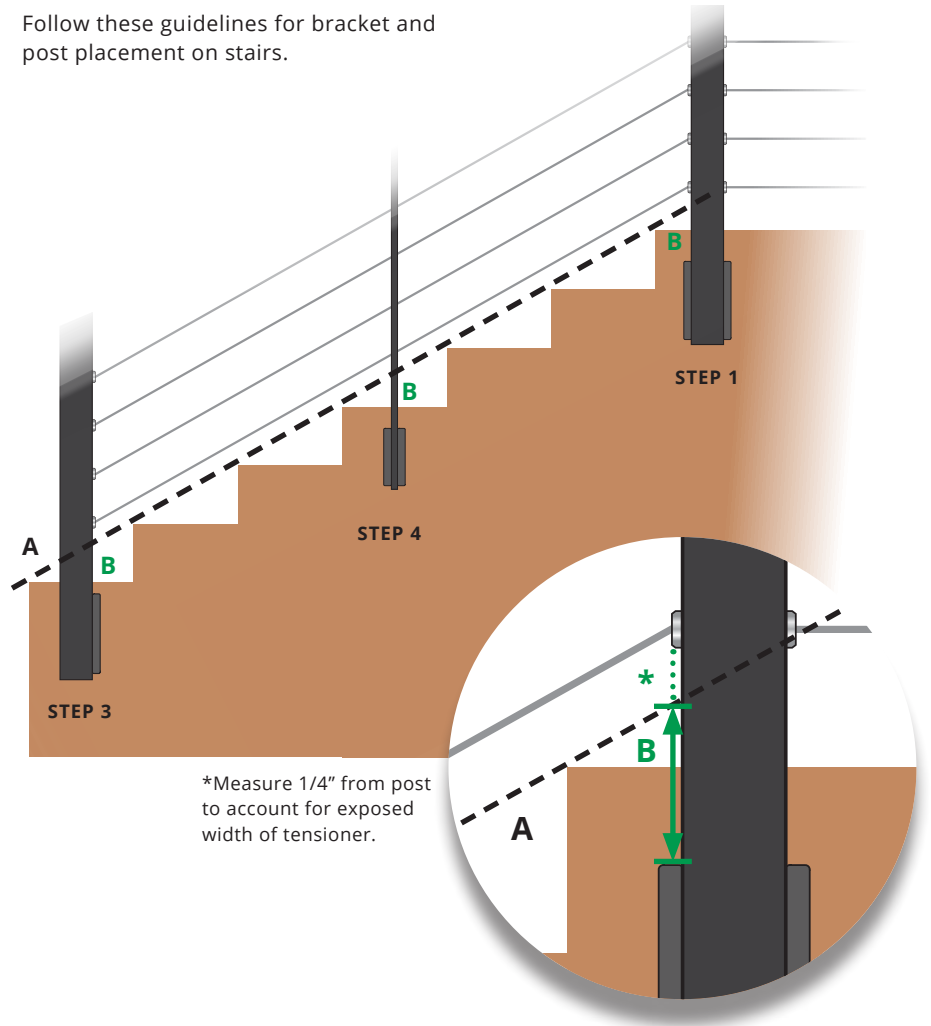
Please Note: The line post modern top can accommodate stairs with a pitch/ slope up to 38-degrees.

STEP 5 | MIRROR POSTS

If placing posts on both sides of staircase, mirror the posts from the first side of steps using a level and square. Set brackets straight across at distance **B** from the stair plane.

RECOMMENDATIONS

Follow these guidelines for bracket and post placement on stairs.



Watch a full installation video for Signature series side mount posts at:
www.cablebullet.com/blogs/guides

WE'RE HERE TO HELP!

 **cable bullet**
CABLE RAIL SYSTEM

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