

VENTURE SERIES TOP MOUNT POST

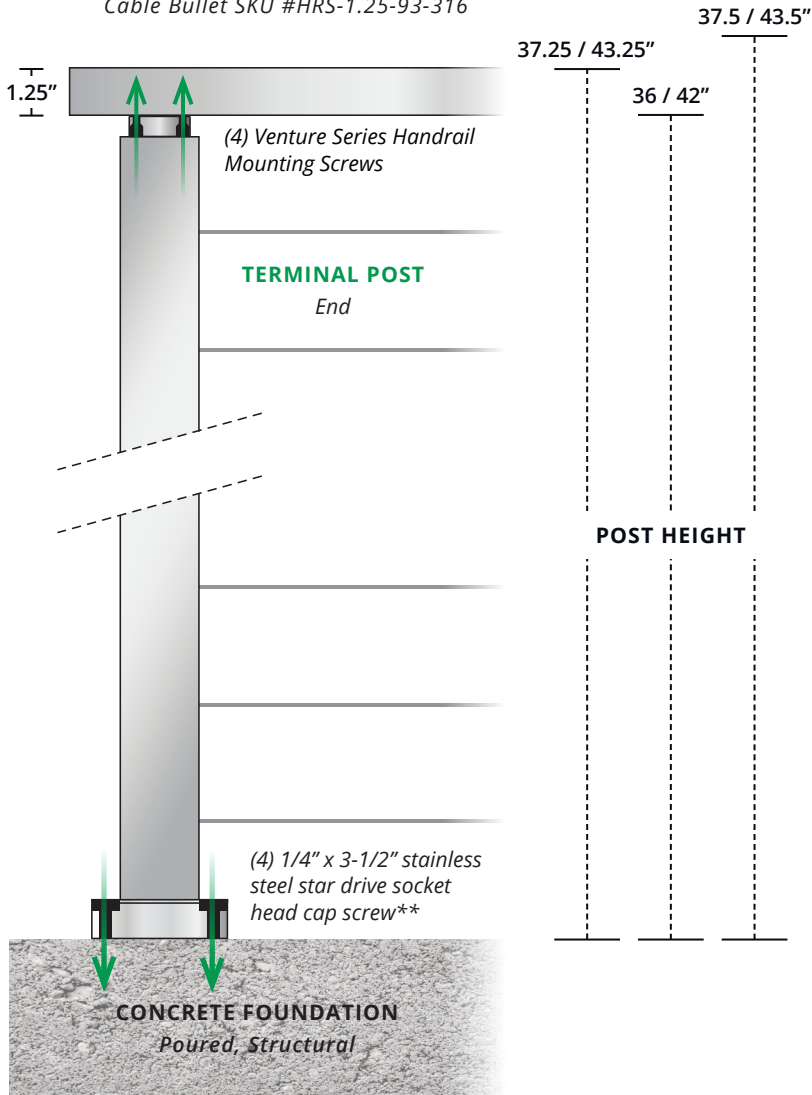
36" | 42"

END | LINE

MODERN POST TOP

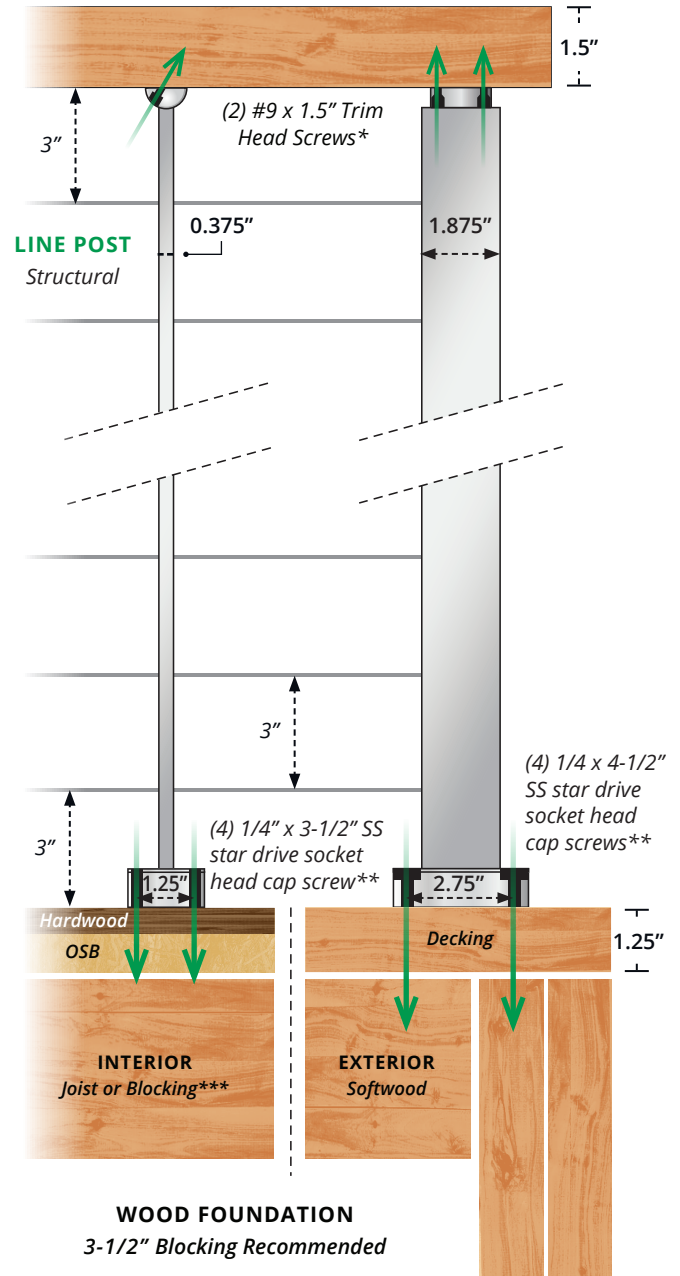
STAINLESS STEEL HANDRAIL

Cable Bullet SKU #HRS-1.25-93-316



CUSTOM WOOD TOP RAIL

1-1/2" Thick Recommended



Concrete should be rated at 3500 PSI or higher and free of cracks in the area where posts will be mounted.

WOOD FOUNDATION
3-1/2" Blocking Recommended

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).

* Screw length will vary by handrail thickness.

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

*** If no interior blocking, consult a local builder for a custom solution to secure against a 200 lb. concentrated load.

TOOLS

- ❑ Cable Bullet Cut & Crimp Multi-Tool*
- ❑ Magnetic Multi-Bit Screw Driver*
- ❑ 1/8" Allen wrench*
- ❑ 3/16" Allen wrench*
- ❑ 6" Hex Socket Head Power Bit (1/8")*
- ❑ Drill/impact driver
- ❑ 3/16" drill bit*
- ❑ T30 x 6" star drive power bit*
- ❑ Level
- ❑ Tape measure

SUPPLIES

- ❑ 5/32" diameter cable*
- ❑ Cable end fittings (included with end posts)*
- ❑ Stainless steel lubricant/protectant*
- ❑ Cable spacer bar kits (optional)*
- ❑ Shop rags
- ❑ 1" painter's tape (optional)
- ❑ Post mounting screws (1/4" SS star drive socket head cap screws**)*
- ❑ Stainless steel handrail* (or custom wood top rail)
- ❑ Venture Series Handrail mounting screws*

**Posts 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.

*available at www.cablebullet.com

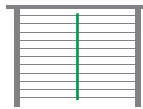
POST SPACING FOR CABLE SUPPORT

Follow these guidelines for optimal cable tension and to minimize cable deflection.



TENSIONING POST SPACING | 20' MAX.

To ensure adequate cable tension (150lbs) use two end posts and additional tensioners to cover longer runs.



CABLE SUPPORT POSTS | 4' MAX.

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

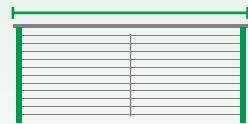
POSTS SPACING FOR HANDRAIL SUPPORT

Structural support post spacing for Cable Bullet stainless steel handrail will vary by layout. Follow the guidelines below.

❖ *For wood top rail, spacing will vary by material, thickness, & rigidity.*

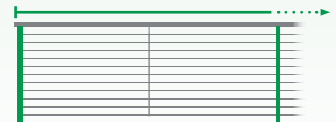
SIMPLE SPAN | 7' MAX.

Standalone section of railing with 2 end posts and no continuation on either end.



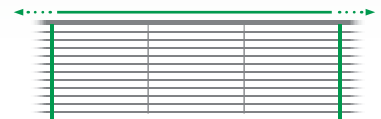
OUTSIDE SPAN | 8' MAX.

One end post with one connecting span on the opposite side.



CENTER SPAN | 9' MAX.

One section of railing with two connecting spans.



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

Detailed installation instructions for Venture series railing are available at:
www.cablebullet.com/blogs/guides

1 FIND POST LOCATION



2 DRILL PILOT HOLES



3 SET MOUNTING SCREWS



Images in steps 2-3 show GRK RSS 5/16 x 5-1/8", an alternative screw to the Cable Bullet post mounting screws (1/4" SS star drive socket head cap screws).

STEP 1 | FIND POST LOCATION

Determine the placement of your posts, and mark the location of each structural screw (4 per post). See page 1 for screw recommendations.



PRO TIP: Use painter's tape to mark the edge and angle of your posts.

STEP 2 | DRILL PILOT HOLES

Set your post aside and drill your four pilot holes. The size and depth of your pilot holes will vary by project and foundation construction.

STEP 3 | SET MOUNTING SCREWS

Set each screw, but don't tighten them down before levelling the post. Screw lengths and type will vary by application. It is the installer's responsibility to ensure there is sufficient blocking to anchor securely to!

STEP 4 | ADVANCE SCREWS

Use 3/16" Allen wrench to advance the four set screws to plumb your post, then finish setting each screw. Repeat the process until all structural posts are set.



PRO TIP: The leveling feature is designed to work best on hard surfaces. On soft wood or composite decks, consider adding a #10 washer underneath each set screw.

STEP 5 | ATTACH TOP RAIL

Your project is now ready for top rail. Installation will vary by top rail selection. For Cable Bullet stainless steel handrail, refer to the installation instructions or for more information, visit www.cable-bullet.com/blogs/guides.

STEP 6 | INSTALL YOUR CABLES

After attaching your top rail, install your cable runs. Complete this process following the instructions on page 4.

INSTALLING CABLE INFILL

Remove pre-installed set screws from channels of post. *These are essential for tensioning cables.* Apply a drop of lubricant to each set screw channel to ease installation, reduce the likelihood of seizing, passivate the stainless, and help prevent corrosion.

STEP 1 | CUT CABLE LENGTHS

Measure railing sections and cut oversized, rough lengths of cable for each. Leave a few extra inches to avoid ending up short. You will make a final cut later.

STEP 2 | CRIMP CABLE ENDS

Fit first end of cable with lobed washer and crimp sleeve (included with post). Use Cable Bullet Cut & Crimp Multi-Tool to firmly set each side of the crimp sleeve. Properly crimped cable end will show two distinct hexagonal imprints.

STEP 3 | SET CABLE END

Retrieve a pre-installed set screw. Insert crimped cable and lobed washer into post tensioning channel and use 1/8" Allen key (or hex socket power bit) to advance set screw just until it's flush with face of the post. With crimped end locked in place, thread cable through all intermediate posts and spacer bars along span.

STEP 4 | MAKE FINAL CUT

Pull cable hand-tight, measure 1" past face of post, and make final cut. Repeat steps 2 & 3 to secure the second end of cable. Repeat process for each cable run.

STEP 5 | FINAL TENSIONING

Once all cables are in place, begin tensioning each run from innermost cable outwards. Take care not to over-tighten cables. Properly tensioned cable will deflect approximately 1/4" per foot under a 50lb load.

STEP 6 | SET SPACER BARS

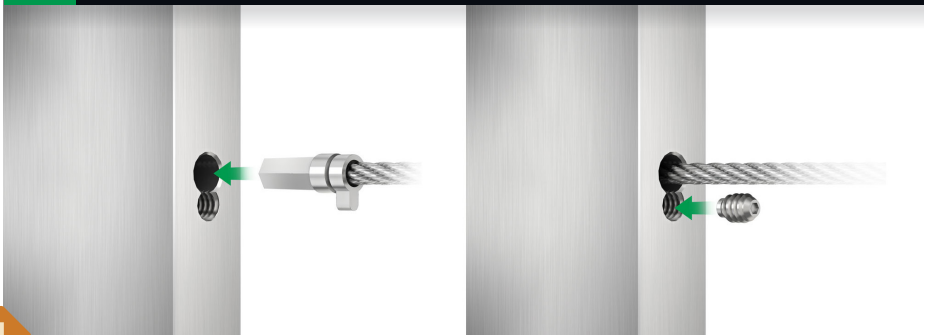
Position and lock floating spacer bars in place by advancing set screws on top and bottom. Wipe down railing following the Cable Bullet Care & Maintenance instructions to clean & protect stainless steel. Your railing is now complete. For more information, visit www.cablebullet.com/blogs/guides.

2 CRIMP CABLE ENDS



CAUTION: A properly crimped cable end is essential to maintaining the integrity and safety of your cable. A weak connection will slip over time or fail against an impact load!

3 SET CABLE ENDS



CAUTION: To minimize the risk of cross-threading or galling, use a manual socket screw driver or Allen wrench.

4 MAKE FINAL CUT

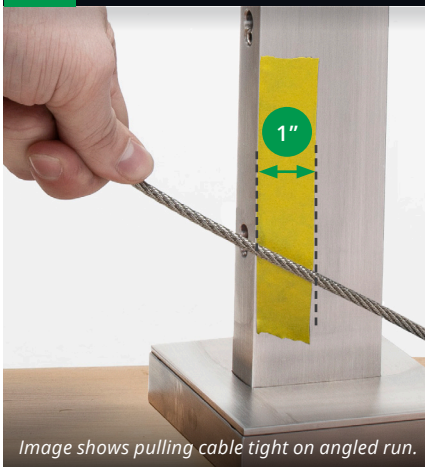


Image shows pulling cable tight on angled run.

6 SET SPACER BARS



WE'RE HERE TO HELP!



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