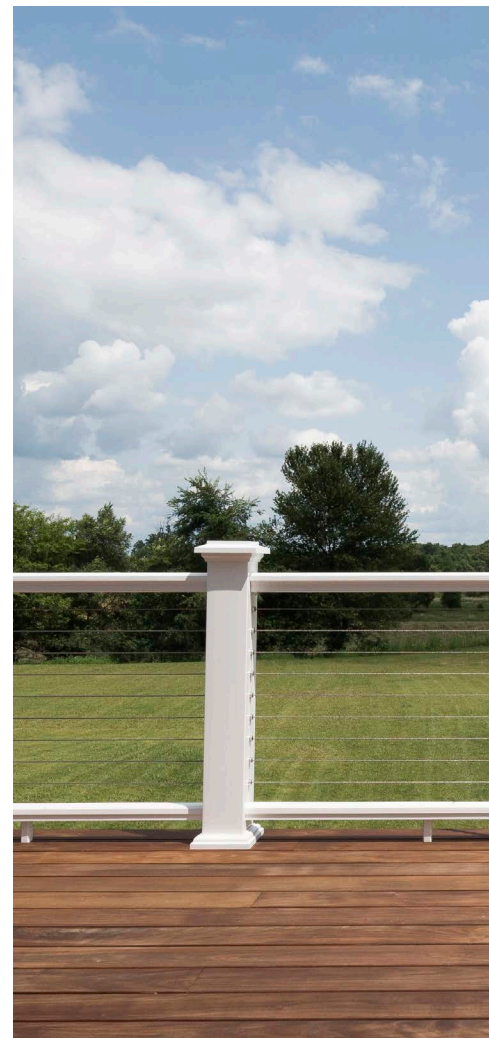
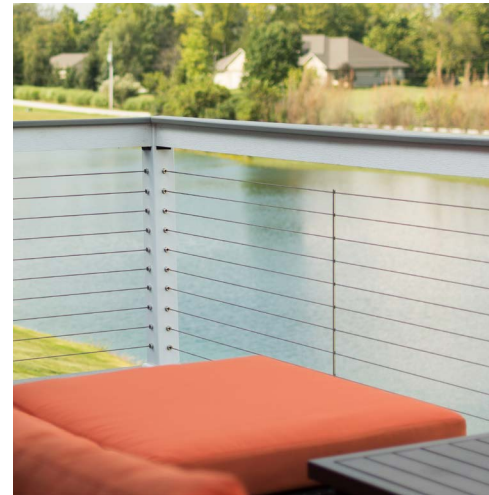
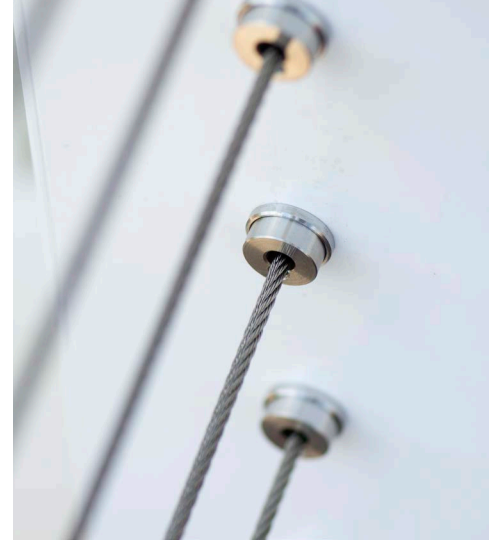




- 1 OVERVIEW**
- 3 HOW IT WORKS**
- 4 INSTALLATION**

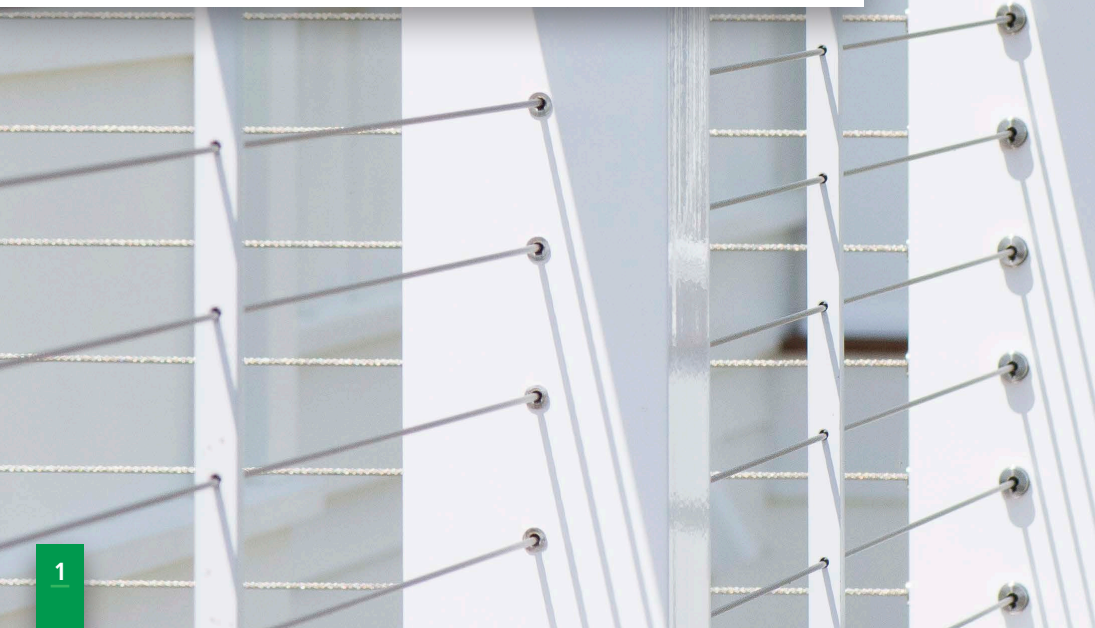


.....

Clean, simple, beautiful.

Cable Bullet was designed to provide the cleanest possible profile, using only high-quality materials, while keeping installation as simple as possible. Our patented technology in every tensioner allows each cable to fasten neatly inside the post, hidden away, leaving your view free of bulky hardware. To keep installation simple, each end is interchangeable and can be used on level or angled runs. *Because quality craftsmanship is essential, all parts are manufactured exclusively in the U.S.A., so your railing will look great and last for years to come!*

.....





- BEAUTIFY, DON'T BLOCK YOUR VIEW -

Enjoy the view you love, free of bulky turnbuckles and unnecessary clutter



- SIMPLE IS EASIER -

Interchangeable ends for level and stair runs means less time installing and fewer mistakes



- QUALITY MATTERS -

Proudly made in the USA without cutting corners, so your railing will look great and last for years



- IN STOCK & READY TO SHIP -

Get started quickly, finish confidently, and spend more time enjoying your project



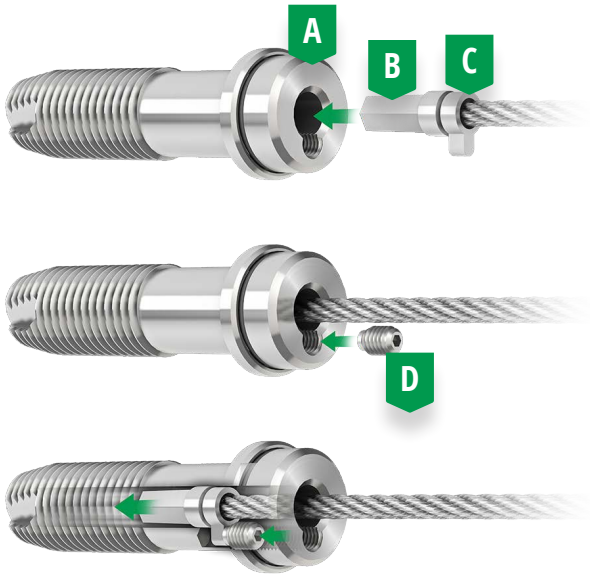
- THE SUPPORT YOU NEED -

Tackle your project with confidence knowing you've got a dedicated team on your side



THE ALTERNATIVE TO BULKY TURNBUCKLES

A hidden tensioning mechanism tucked away inside your post!



The Cable Bullet tensioner **A** is screwed in to the post. The crimped cable end **B** holds the lobed washer **C** in place, while a set screw **D** advances to tension the cable.

Once installed only the head of the tensioner is visible!



NEED MORE DEPTH?

For larger post sleeves or any other application where you need to anchor through a veneer into a structural post, we offer the **XL (1-7/8")** and the **XXL (2-3/4")** tensioners.



- ✓ Tensioner kits (one Bullet **A**, crimp sleeve **B**, lobed washer **C**, and set screw **D** per kit)
- ✓ Cable Bullet crimper **E** & stand **F**
- ✓ Cable cutters **G**
- ✓ Drill (1/2" chuck)*, drill bits 9/16" **H**, 3/16" **I**, & 5/8" **J**
- ✓ Cable Bullet driver **K**
- ✓ 3/32" Allen key **L** or hex socket power bit **M**
- ✓ Tape measure* **N** & combination square* **O**
- ✓ T-10 Star drive **P** (for post hole covers **V**)



TOOLS & SUPPLIES



INSTALLATION DEMO VIDEO

Scan the QR code below or follow the link to watch the sleeved tensioner installation demo video.



www.youtube.com/watch?v=b0pRtq46ASY

- ✓ Drill guide **Q** & WD-40* for lubrication (optional)
- ✓ Socket wrench **R** with 7/16" socket* (optional)
- ✓ Screw driver **S**
- ✓ 5/32" Stainless steel cable **T**
- ✓ Boeshield T-9® stainless steel lubricant **U**
- ✓ Post hole covers **V** (optional, each includes a mounting screw **W**)
- ✓ Deluxe post hole covers **X** (optional, formally known as 'dummy tensioners')

*Not for sale at www.cablebullet.com



PLEASE NOTE: All Cable Bullet recommendations and rail components are designed to comply with the International Residential Code (IRC).

Because building codes may vary, it's the installer's responsibility to verify that the installed system complies with all applicable state and local building codes.

For more information on Cable Bullet and building code standards, visit: www.cablebullet.com/pages/terms-conditions



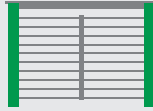
ORDER OF INSTALLATION:

- 1 | Anchor Posts
- 2 | Install Tensioners
- 3 | Attach Handrail
- 4 | Run Cables

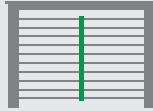


IMPORTANT: Your posts and top rail must be able to support the combined tension of the total cable runs, 150–200 pounds each.

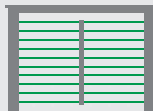
1 PROJECT GUIDELINES



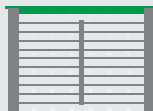
A | CABLE TENSIONING POSTS can be spaced up to 20 feet apart. To maintain optimal tension, add additional posts on longer runs.



B | ADD CABLE SPACER BARS or cable support posts every 42–48 inches to minimize cable deflection under load.



C | SPACE YOUR CABLES every 3 inches apart to allow for some cable deflection while maintaining a 4-inch gap between cable runs.



D | SUPPORT YOUR TOP RAIL as needed with structural posts. For composite top rail, follow the manufacturer's recommendations.

A | TENSIONING POST



2 MEASURE & MARK POSTS

END POSTS

Measure and mark the location for each Cable Bullet tensioner. *To avoid alignment issues, set the top and bottom Bullets before drilling for the remaining Bullets.*

PASS-THROUGH POSTS

Do the same for all your cable pass-through holes.



PRO TIP: Consider your cable placement relative to any stair runs to avoid off-set cables.



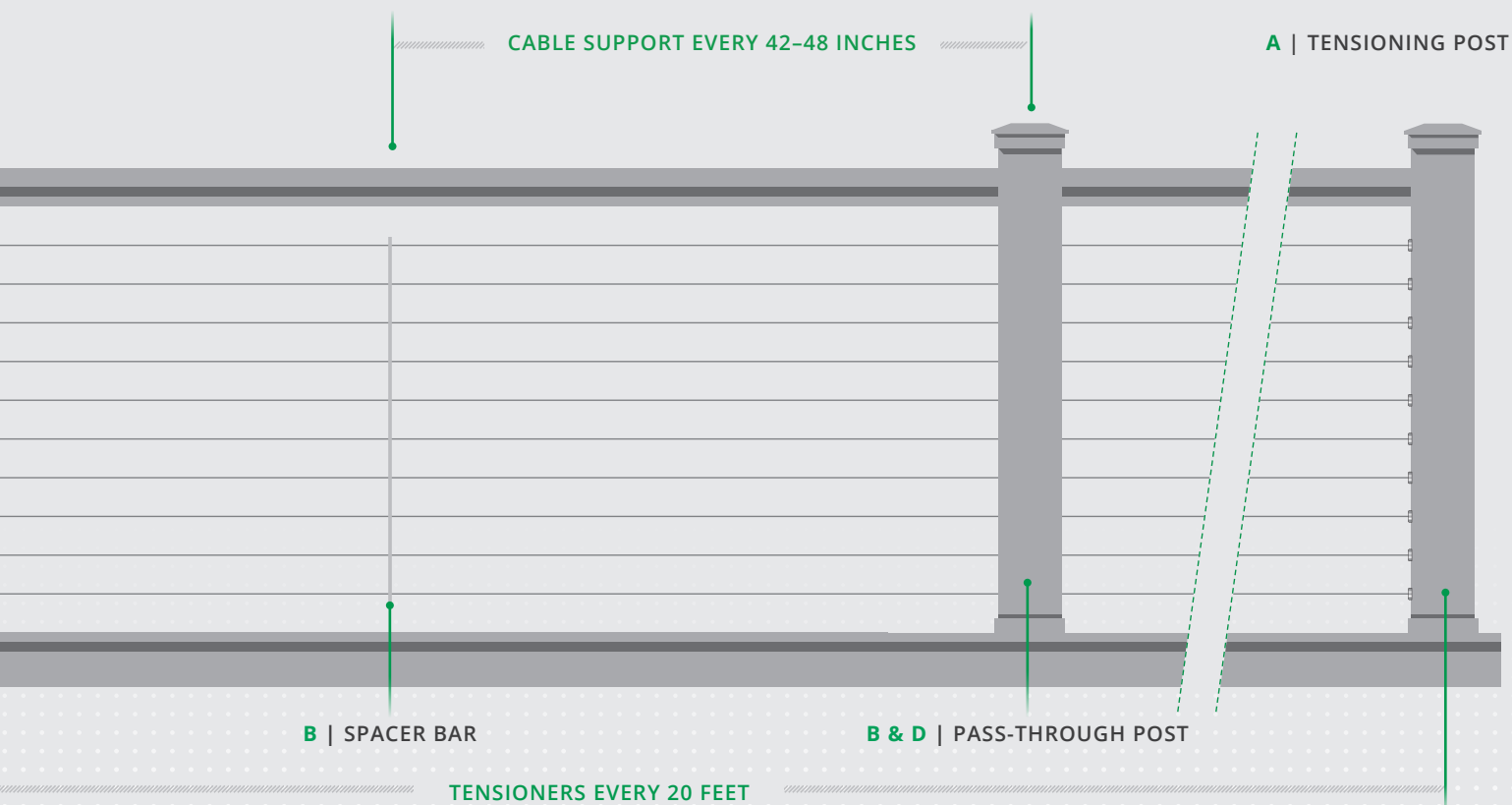
IMPORTANT: On stair runs, tensioner holes will need to be drilled prior to handrail installation to allow clearance for the drill and bit.

3 DRILL TENSIONER HOLES

TENSIONER HOLES

For each Bullet on both straight and sloped cable runs, drill a 5/8" level hole through the post sleeve **ONLY**.





TENSIONER HOLES

Then drill a level 9/16" hole through the sleeve hole into the wood post. Use a brad point bit for clean, accurate holes.



The appropriate depth will vary based on the post, sleeve, and Bullet sizes. Drill deep enough for 3/4" of the Bullet threading to engage in your center wood post.

CAUTION: If there's a gap between the sleeve and post, add shims where the Bullets will be installed to avoid accidentally compressing the sleeve during installation.

4 DRILL PASS-THROUGH HOLES

PASS-THROUGH HOLES

Use a rigid, high-quality 3/16" bit to drill your cable pass-through holes.

Thicker posts and sleeves will need to be drilled from both sides to maintain a level hole.

Use the Cable Bullet drill guide (optional) to assist in drilling your pass-through holes.

Make sure your drill bit is long enough to clear the 3" drill guide head.



CAUTION: Exercise caution if using the drill guide with sleeved posts. Use painter's tape and do not clamp too hard or it may scratch your post sleeves.

5 INSTALL TENSIONERS

Use a drill with a 1/2" chuck and the Bullet driver to screw each Bullet and fitted steel cover ring into the posts.

Bullets should thread into the wood post, not the post sleeve. The rubber O-ring allows contact between the Bullet and sleeve without applying excessive pressure.



WARNING: Do not use an impact driver or you risk damaging the set screw channel and increasing the likelihood of seizing during installation.

Use a socket wrench and 7/16" socket to align tensioners so the set screw channel is accessible relative to the angle of the cable.



6 INSTALL PASS-THROUGH HARDWARE *Optional*

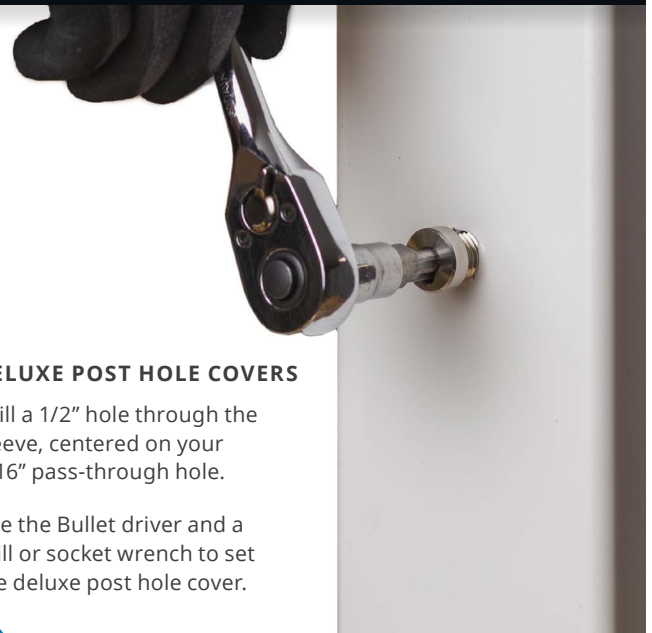
POST HOLE COVERS

Each post hole cover is secured to the post with one #4-24 x 5/8" SS socket head cap screw using a T10 x 2" star drive power bit.

For post sleeves, drill a 3/32" pilot hole.



PRO TIP: Use a scrap piece of cable to "hang" your post hole cover in place while fastening it to the post.



DELUXE POST HOLE COVERS

Drill a 1/2" hole through the sleeve, centered on your 3/16" pass-through hole.

Use the Bullet driver and a drill or socket wrench to set the deluxe post hole cover.

PRO TIP: Use deluxe post hole covers on transitional posts that break a straight run, e.g. at the top of stairs, two-post corners, and 45-degree turns to save on tensioners and protect your post from abrasion and the resulting compression load.

7 CUT ROUGH CABLE LENGTHS



Measure your runs and cut oversized, rough lengths of cable for each.

Be sure to leave an extra few inches so as not to end up short. You will make a finish cut later.

Use wire cutters designed for cutting steel wire to ensure clean cut ends.

8 LUBRICATE TENSIONERS

Apply a drop of Boeshield T-9 lubricant to the set screw channel of each tensioner to ease installation, reduce the likelihood of seizing, passivate the stainless, and help prevent corrosion.



WARNING: Take special care to avoid staining, and do not spill T-9 on the surface of your posts. Hold a shop rag underneath the tensioner if necessary.

9 CRIMP CABLE ENDS



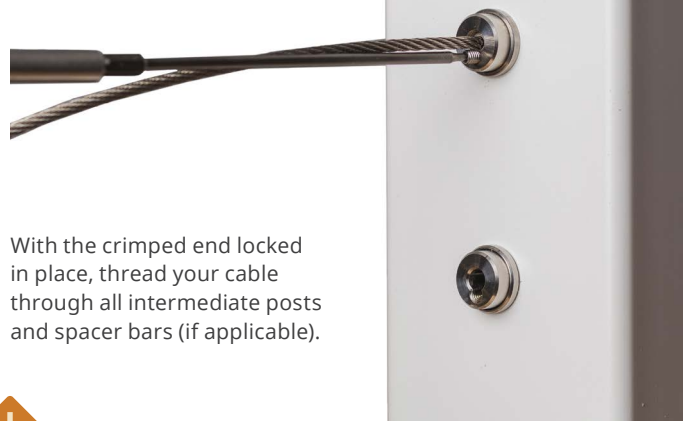
PROPERLY CRIMPED CABLE END

Fit the first end of your cable with a lobed washer and crimp sleeve.

Use the Cable Bullet crimper to firmly set the crimp. This should take 10-12 pumps. A properly crimped cable end will show a distinct hexagonal imprint pattern.

10 SET CABLE ENDS

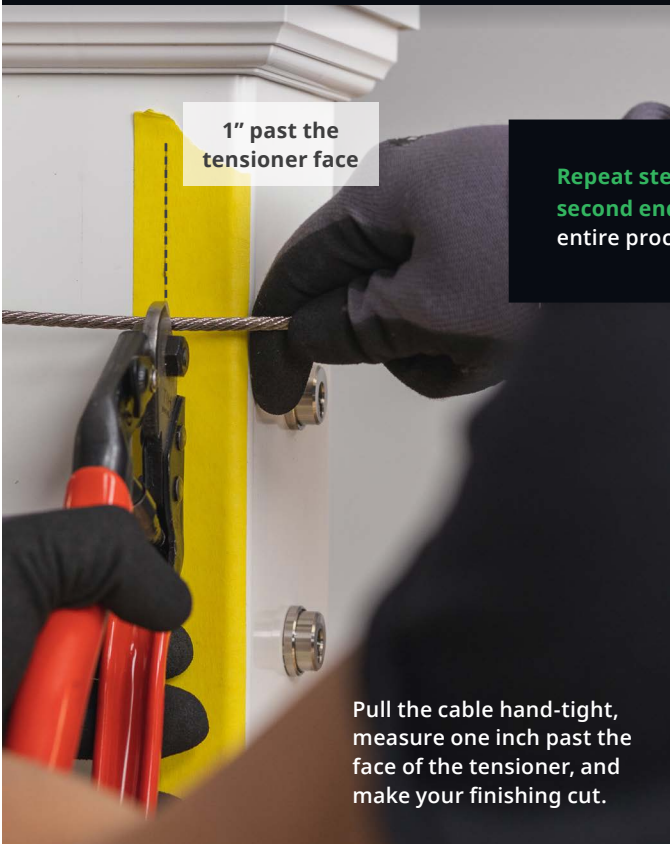
Insert the crimped cable and lobed washer into the tensioner and use a 3/32" Allen key or hex socket power bit to advance the set screw until it is flush with the face of the Bullet.



With the crimped end locked in place, thread your cable through all intermediate posts and spacer bars (if applicable).

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

11 CUT EXACT CABLE LENGTHS

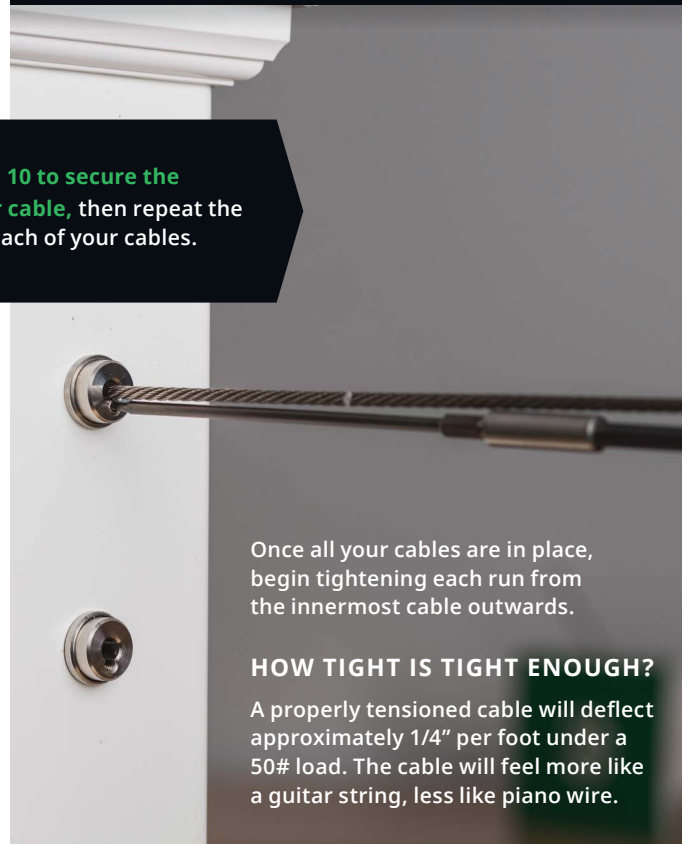


1" past the tensioner face

Repeat steps 9 and 10 to secure the second end of your cable, then repeat the entire process for each of your cables.

Pull the cable hand-tight, measure one inch past the face of the tensioner, and make your finishing cut.

12 FINAL TENSIONING

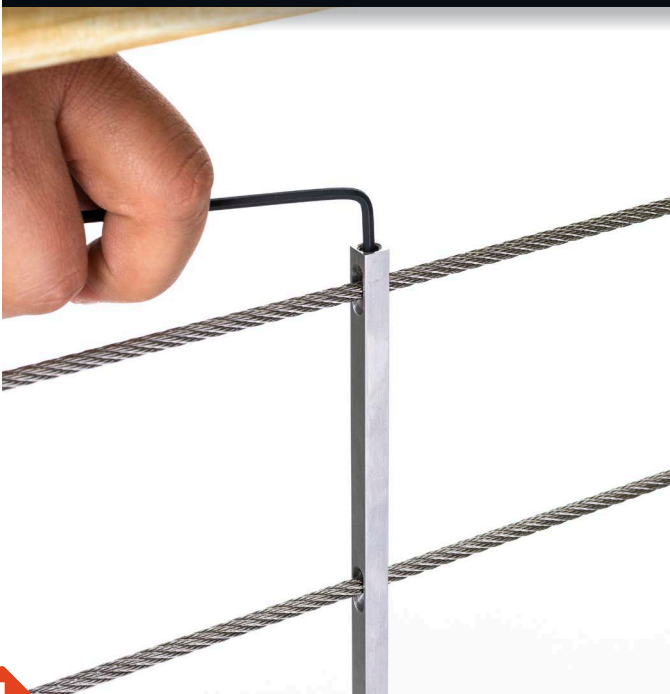


Once all your cables are in place, begin tightening each run from the innermost cable outwards.

HOW TIGHT IS TIGHT ENOUGH?

A properly tensioned cable will deflect approximately 1/4" per foot under a 50# load. The cable will feel more like a guitar string, less like piano wire.

13 SET SPACER BARS



WARNING: We do not recommend using fixed spacer bars with composite top rail. For alternative options for structural handrail support, visit www.cablebullet.com.

14 CARE & MAINTENANCE

After you've finished the installation process, follow the *Cable Bullet Care & Maintenance Instructions*.

CARE & MAINTENANCE
MAINTAIN THE BEAUTY & INTEGRITY OF YOUR CABLE RAILING

FOR BEST RESULTS

CLEAN → **PROTECT** → **REPEAT**

CLEAN YOUR RAILING

DO THIS AFTER INSTALLATION! Especially at seams, post bases, and anywhere stainless steel may have been scaffolded.

First, use a soft nylon brush to remove dirt.

Next, wash your railing with warm water and mild dish soap.

Then, dry all exposed parts of the cable railing with a soft cloth or blow dryer.

WARNING: Avoid using all-purpose cleaners, chlorine bleach, and abrasive cleaners which can cause damage.

REPEAT THE PROCESS

To maintain your cable railing, we recommend treating all components at least once a year.

INLAND VS. COASTAL ENVIRONMENTS

If you live within one mile of environments that expose your cable railing to acid rain or salt air and spray, treat your railing at least every 3-6 months, or as needed. Check early and often to gauge how your unique environment is affecting your railing.

The best time to treat your railing is at the first sign of corrosion. Failing to adequately clean and protect your stainless steel can result in rust, compromise the integrity of your railing, and present a safety concern.

PROTECT YOUR ALUMINUM & STAINLESS

Apply **BOESHIELD T-9 RUST & CORROSION PROTECTION WATERPROOF LUBRICANT** or other protectant rated for use on stainless steel to all components of your cable railing, including the cable, in order to prevent rust and corrosion. Treat the tensioner set screw channel to prevent it from gumming up, and to ensure smooth tensioning over time.



FOR WOOD POSTS: The T-9 squeeze bottle is ideal for the wood post railing because it allows for more precise application. Squeeze lubricant onto a soft cloth or sponge and apply to all exposed stainless steel components.



“There’s got to be a better way.”

In 2012, I had a project that called for cable railing. Looking at what was available, the thought kept coming to mind, “There’s got to be a better way.”

There were nice looking and easy to install systems, but they were so expensive! There were cheap systems, but the aesthetics seemed lacking. And then there were all the parts and pieces, fixed ends, tensioning ends, straight and sloped ends, through the post ends, or surface mount ends. On and on it went. “There’s got to be a better way.”

Several years (and a lot of evenings and weekends in the shop) later, we have a new system that’s simple and elegant. It installs the same way in any application. It’s aesthetically consistent in any application. Straight and sloped applications—same look. Metal or wood posts—same look. Different ends of the run—same look.

In all applications, the tensioning is done inside the Bullet within the post. An elegant look with no caps or nuts on the opposite side of the post. No surface-mount, inline tensioner to clutter up short runs. Just cable disappearing into a stainless disk. Elegant, simple, and intuitive.

- Daniel Schlatter, Co-Founder



MINIMAL PROFILE FOR A MODERN DESIGN

Versatile machine-threaded Bullets for use in custom aluminum or steel posts, as well as with our Signature Series aluminum railing.



A MODERN TOUCH FOR WOOD DECK OR STAIR RAIL

Cable rail tensioners in 3 lengths, designed for use with interior or exterior hard and softwood posts.



MASONRY ANCHORS

Specialty kit that includes a stainless steel sleeve that allows you to anchor your cable railing to any structural masonry post or wall.

START YOUR PROJECT WITH CONFIDENCE



DON'T LIKE IT? DON'T PAY FOR IT

If you feel our system is not a good fit after you receive your order, or your project specifications change unexpectedly, return your complete order for a full refund! We'll even cover the return shipping.



RETURN WHAT YOU DON'T USE

Any unused items from your order, that are still in as-new condition, may be returned in the original packaging within 90 days of purchase for a partial refund, no questions asked!



NO-PENALTY EXCHANGES

Projects can change, and accidents happen. If you, or your customer purchased the wrong hardware, let us know. We'll exchange it without a restocking fee and you won't pay for return shipping!

Some restrictions do apply. For full details, please visit our www.cablebullet.com.

WE'RE HERE TO HELP!

If you have any questions about our system or your project, give us a call or send us a message. We're open Monday-Friday from 9 am-5 pm EST.



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CABLE BULLET

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WARSAW, IN 46580

All products which contain, or make use of, Cable Bullet's tensioning mechanism are covered under U.S. Patent 10,352,066. This includes our Cable Rail Kit for Sleeved Posts.