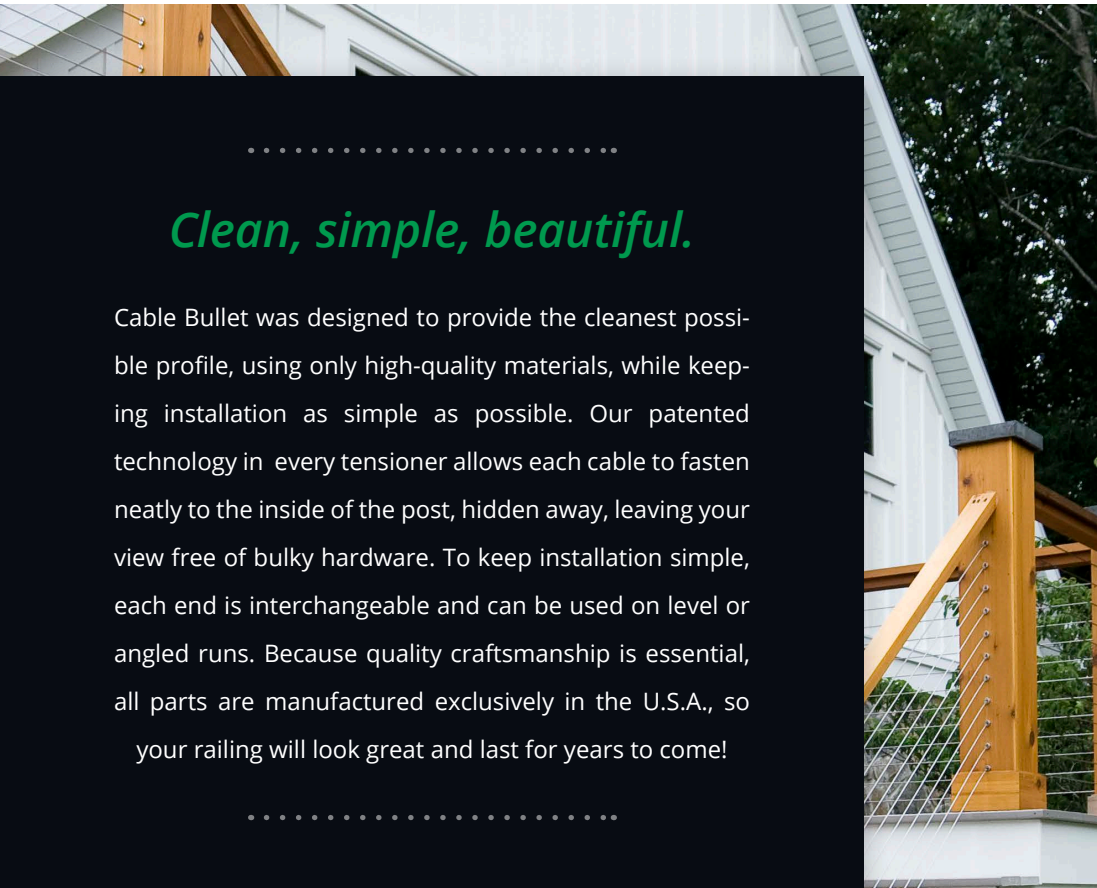




OVERVIEW	1
HOW IT WORKS	3
INSTALLATION	4

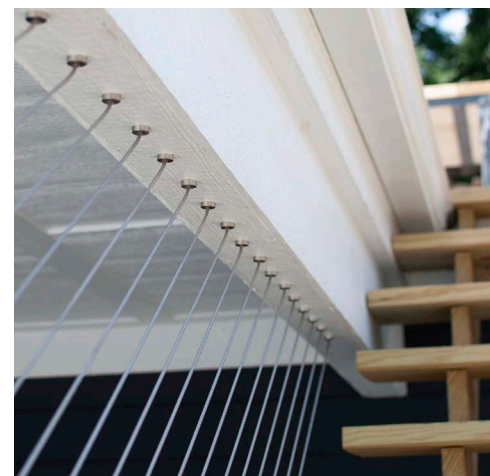


.....

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 to the inside of 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



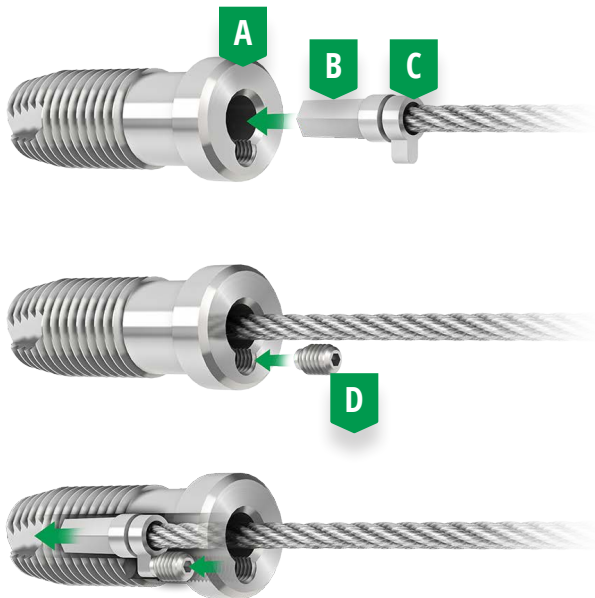
- THE SUPPORT YOU NEED -

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



THE ALTERNATIVE TO BULKY TURNBUCKLES

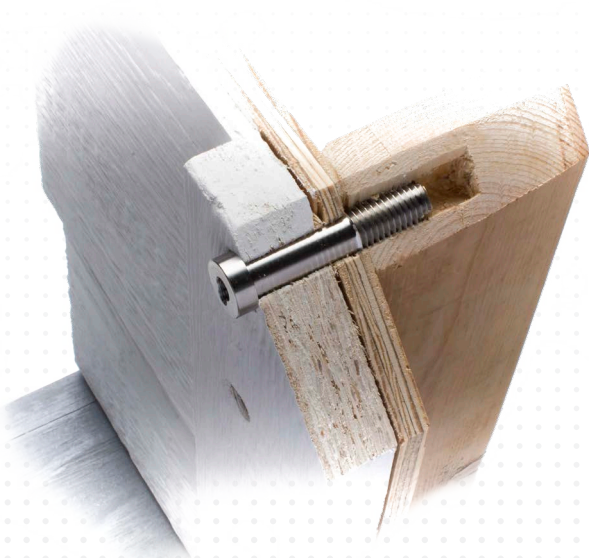
A hidden tensioning mechanism tucked away inside your post!



HERE'S HOW IT WORKS:

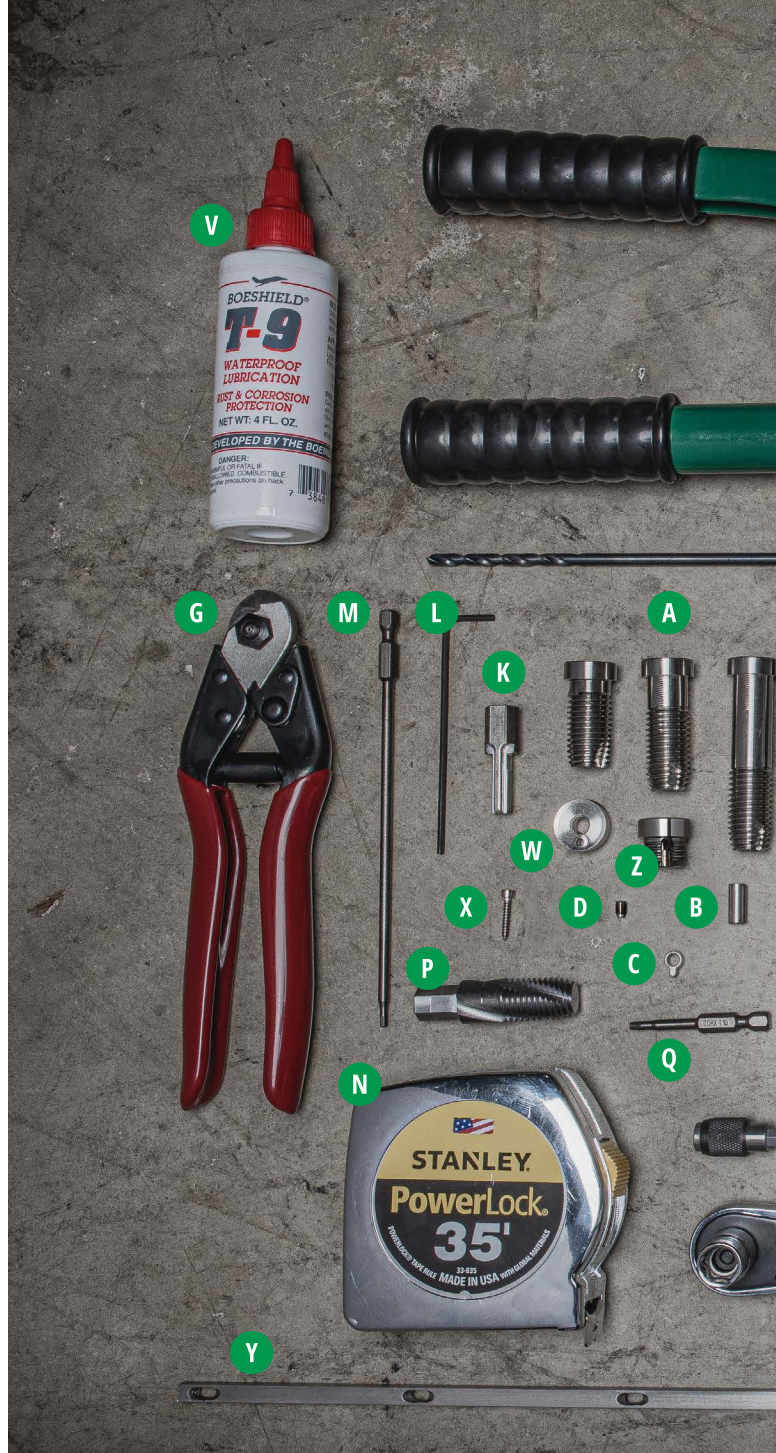
The Cable Bullet tensioner **A** is screwed in to the post. The crimped cable end **B** holds the lobed washer **C** in place, while a set screw **D** advances to tension the cable.

Once installed only the head of the tensioner is visible!



NEED MORE DEPTH?

For post wraps, siding, or any other project 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.



TOOLS & SUPPLIES LIST

- ✓ 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 **H** (1/2" chuck)*, drill bits 9/16" **I** & 3/16" **J**
- ✓ Cable Bullet driver **K**
- ✓ 3/32" Allen key **L** or hex socket power bit **M**
- ✓ Tape measure* **N** & combination square* **O**
- ✓ Cable Bullet tap **P** (for hardwood posts ONLY)
- ✓ T-10 Star drive **Q** (for post hole covers **X**)

CABLE BULLET INSTALLATION



INSTALLATION DEMO VIDEO

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

youtu.be/FfGy6i17QcM

- ✓ Drill guide **R** & WD-40* (optional)
- ✓ Socket wrench **S** with 7/16" socket* (optional)
- ✓ Socket screw driver* **T**
- ✓ 5/32" Stainless steel cable **U**
- ✓ Boeshield T-9® stainless steel lubricant **V**
- ✓ Post hole covers **W** (optional, each includes a star drive screw **X**)
- ✓ Cable spacer bar kits **Y** (optional)
- ✓ Deluxe post hole covers **Z** (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



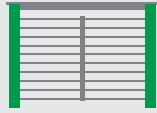
ORDER OF INSTALLATION:

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

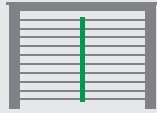


IMPORTANT: Your wood posts and top rail must be able to support the combined tension of the total cable runs, 150–200 pounds each.

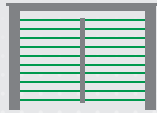
1 PROJECT GUIDELINES



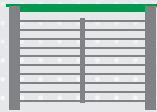
1 | CABLE TENSIONING POSTS can be spaced up to 20 feet apart. To maintain optimal tension, add tensioners for longer runs.



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



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



4 | SUPPORT YOUR TOP RAIL as needed with structural posts. Consult your builder for post spacing and top rail design on your project.

1 | TENSIONING POST



2 MEASURING & MARKING POSTS

END POSTS

Measure and mark the location for each of your Cable Bullet tensioners.

PASS-THROUGH POSTS

Do the same for all your intermediate 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 DRILLING & TAPPING POSTS

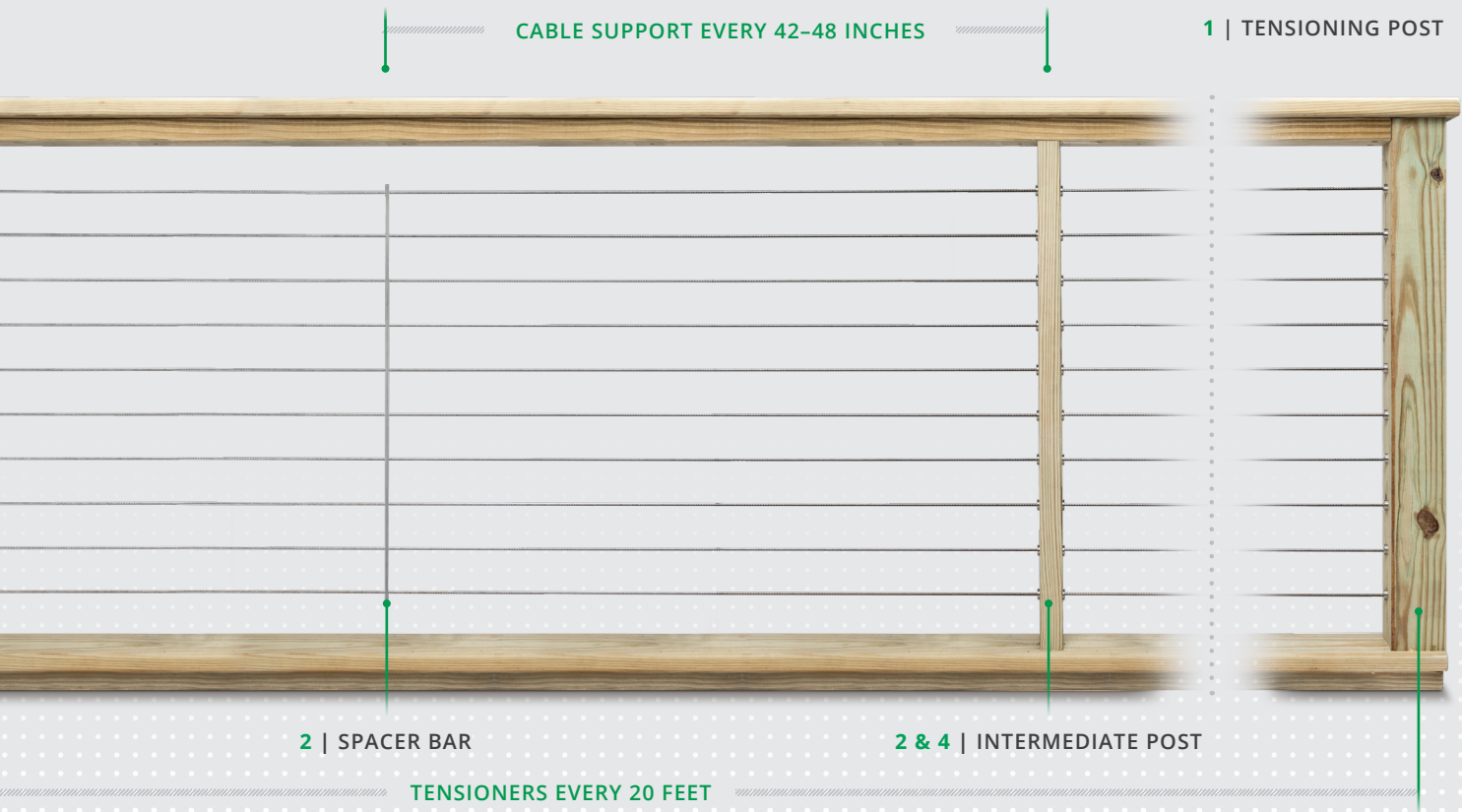


TENSIONER HOLES

For each Bullet **A**, on both straight and sloped cable runs, use a 9/16" bit **I** to drill a level hole to 1-1/2" depth (2" for XL, 2-3/4" for XXL). Use a brad point bit for clean, accurate holes.

In hardwood posts **ONLY**, use the hardwood tap (p.4 **P**) to ease installation.

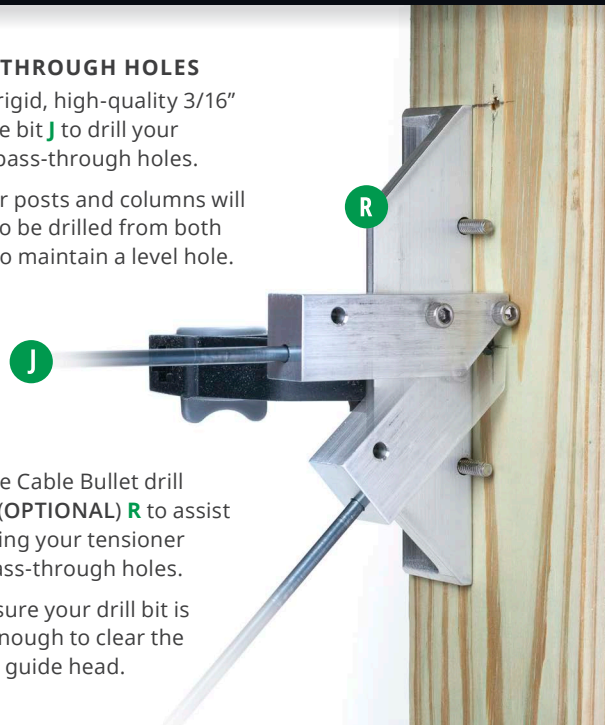
Drill a 5/8" hole through any post wrap or veneer (XL & XXL **ONLY**) before drilling your tensioner pilot holes.



PASS-THROUGH HOLES

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

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



Use the Cable Bullet drill guide (OPTIONAL) **R** to assist in drilling your tensioner and pass-through holes.

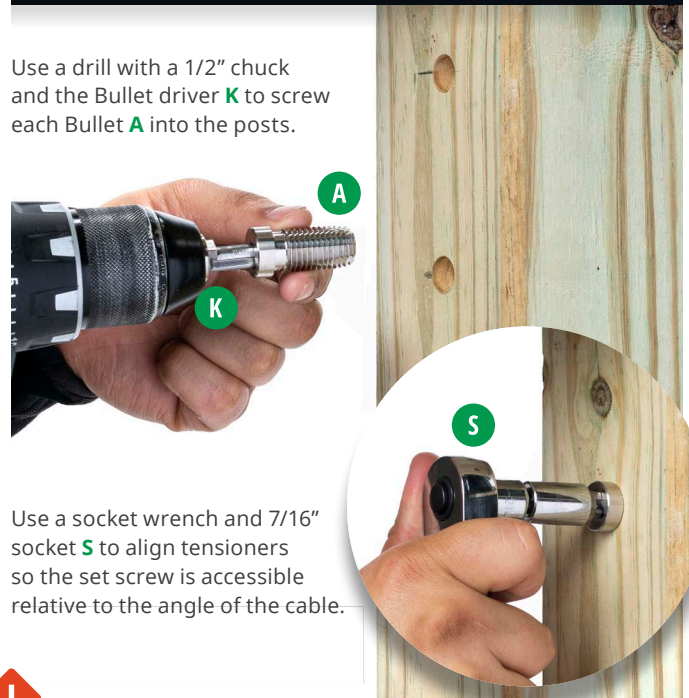
Make sure your drill bit is long enough to clear the 3" drill guide head.



PRO TIP: Clamp a piece of wood to the back side of your post to avoid blowout.

4 INSTALLING TENSIONERS

Use a drill with a 1/2" chuck and the Bullet driver **K** to screw each Bullet **A** into the posts.



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



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

5 INSTALLING INTERMEDIATE POST HARDWARE *Optional*

POST HOLE COVERS

Each post-hole cover **W** is secured to the post with one #4-24 x 5/8" stainless steel star drive socket head cap screw **X** using a T-10 x 2" star drive power bit **Q**.

For hardwood posts, 1/16" thick aluminum, and 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 9/16" hole to 1/2" depth, centered on your 3/16" pass-through hole. If your post has a vinyl or composite sleeve, drill a slightly smaller 1/2" hole.

Use the Bullet driver **K** and a drill or socket wrench to set the deluxe post hole covers **Z**.



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.

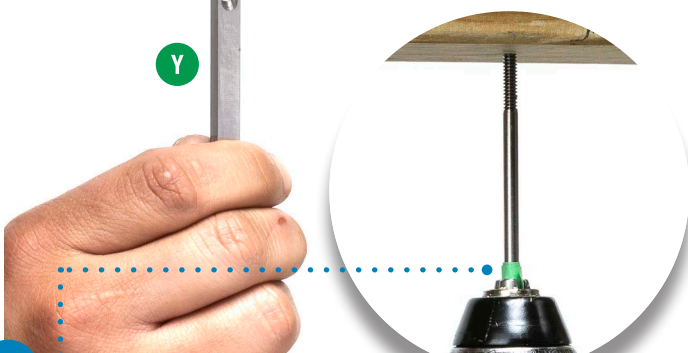
6 FIXED SPACER BARS *Optional*

STANDOFF

SPACER BAR STANDOFF

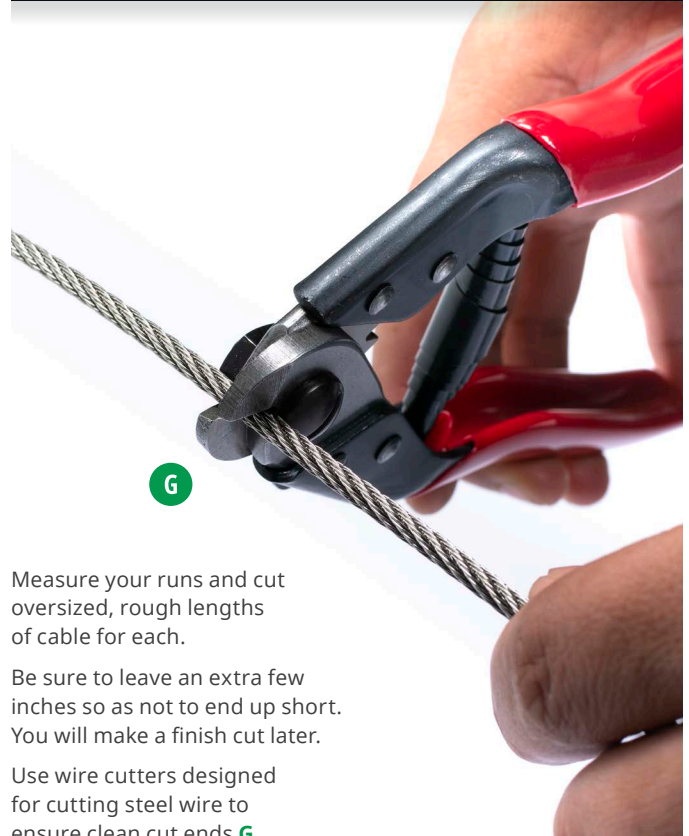
Spacer bars **Y** can be attached to the top rail using a standoff.

Drill a 1/8" pilot hole and use a drill to set the standoff, then thread the spacer bar onto the standoff.



PRO TIP: Protect the finish and threads on your standoff during installation with a piece of painter's tape.

7 CUTTING 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 **G**.

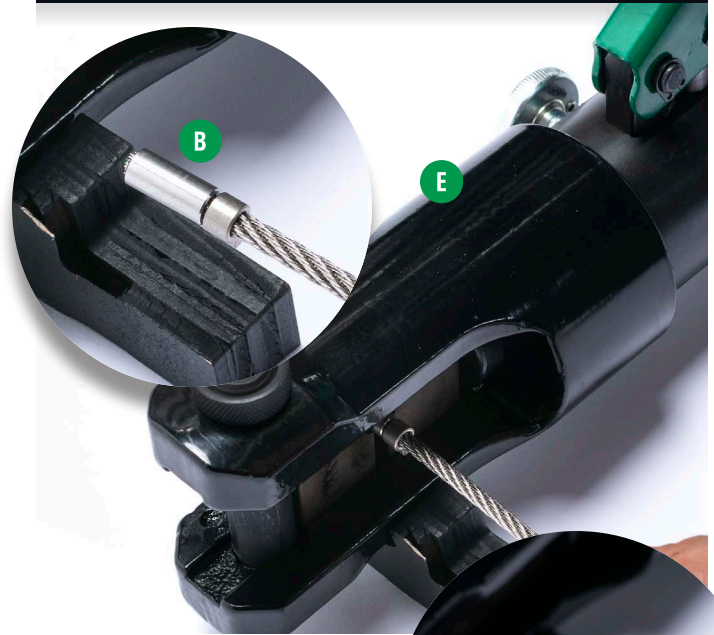
8 LUBRICATING TENSIONERS

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



WARNING: To avoid staining, take special care to avoid spilling T-9 on the surface of your wood surfaces.

9 CRIMPING CABLE ENDS



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

Use the Cable Bullet crimper **E** to firmly set the crimp. This should take 10-12 pumps.



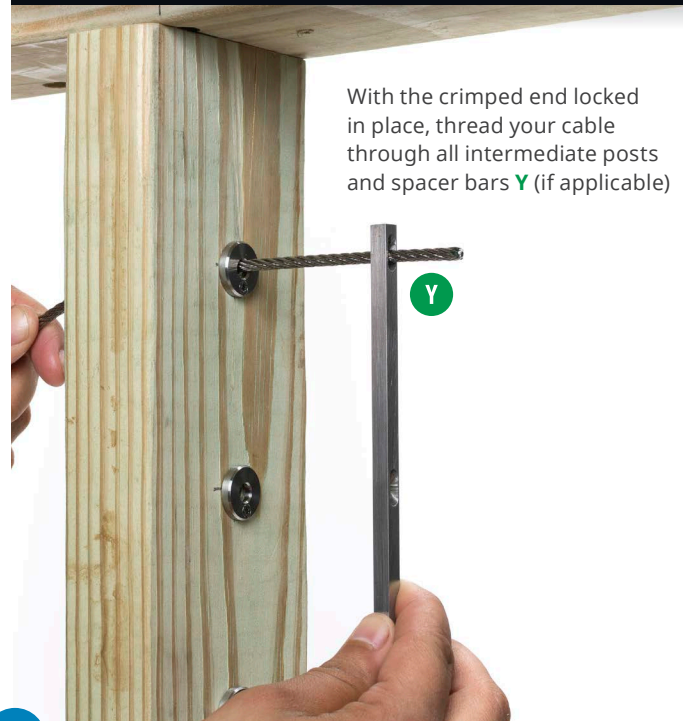
10 SETTING CABLE ENDS



Insert the crimped cable and lobed washer into the tensioner and use a 3/32" Allen key **L** or hex socket power bit (p.4 **M**) to advance the set screw **D** until it is flush with the face of the Bullet.

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

11 RUNNING CABLES



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

PRO TIP: Tape your floating spacer bars to the closest post until all your cables are set.

12 CUTTING EXACT CABLE LENGTHS



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.



13 FINAL TENSIONING



Once all your cables are in place, begin tensioning 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. A properly tensioned cable will feel more like a guitar string, less like piano wire.

14 SETTING SPACER BARS



Position and lock your floating cable spacer bars in place by advancing the set screw top and bottom.

15 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

FOR METAL POSTS: The T-9 aerosol spray is ideal for direct application on a metal railing. For a light protective coat, wipe off excess.

If your metal railing has wood components, spray lubricant onto a soft cloth or sponge before applying to avoid contact with the wood.

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.

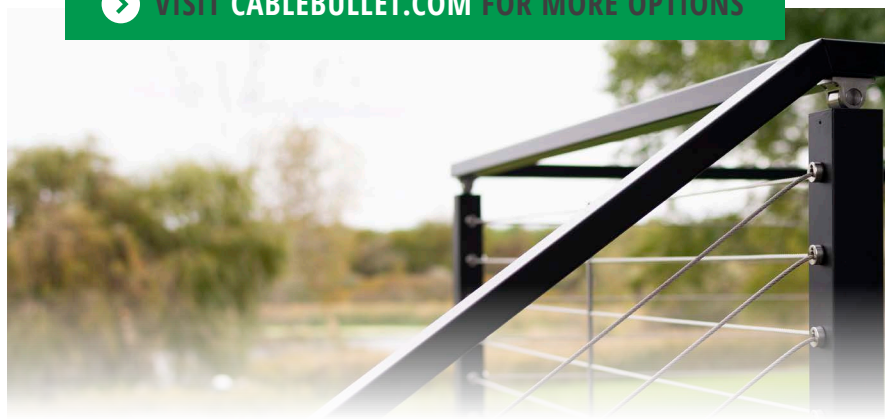
“There’s got to be a better way.”

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

There were nice looking and easy to install systems, but “wow” were they 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 has 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 is simple and elegant. It installs the same way in any application. It is 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 any application 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.



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.



TRADITIONAL RAILING WITH A CONTEMPORARY TWIST

Designed for a full range of composite & vinyl post sleeves and columns. Hardware available in 3 sizes for most standard sleeves.



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.



WWW.CABLEBULLET.COM



INFO@CABLEBULLET.COM



574.742.2737



CABLE BULLET

300 EASTLAKE DR.
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 Wood Posts.