

Cable Bullet tensioners can be used for cable infill with custom metal railing. To make sure your rail design is compatible with Cable Bullet tensioners, we recommend working with a professional fabricator and following the guidelines below.

### DRILLING & TAPPING

- ✓ **USE 2X2-INCH TUBING** (minimum) for strength, and to allow space for two sets of tensioners on opposing or perpendicular sides.
- ✓ **DRILL & TAP** posts in a controlled environment before installing. Tap posts for 5/8-18 threading at a UNF, or fine, designation with a spiral point tap (2B class of fit and H5 thread limit). *Follow the tap manufacturer's instructions.*
  - **STEEL POSTS** should have a wall thickness of no less than 3/16". Drill a 19/32" pilot hole.
  - **ALUMINUM POSTS** should have a wall thickness of no less than 1/4". Drill a 37/64" pilot hole.



**PRO TIP:** Do not plug your post holes while powder coating. Overspray to avoid having to re-tap the holes.



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

### STRUCTURAL REQUIREMENTS

- ✓ **TENSION LOAD** Each post must be able to handle the transferred load of the railing system (+150 lbs of tension/cable).
- ✓ **BRACED** It is recommend each post be braced top and bottom. *NOTE: An individual cable is not designed to replace a top rail.*

## GET IT RIGHT - GET A FREE SAMPLE!

For accurate results, test your tapped custom metal posts with a Cable Bullet metal post tensioner. Give us a call and receive a free sample!

Other questions? Please don't hesitate to reach out via phone or email.

