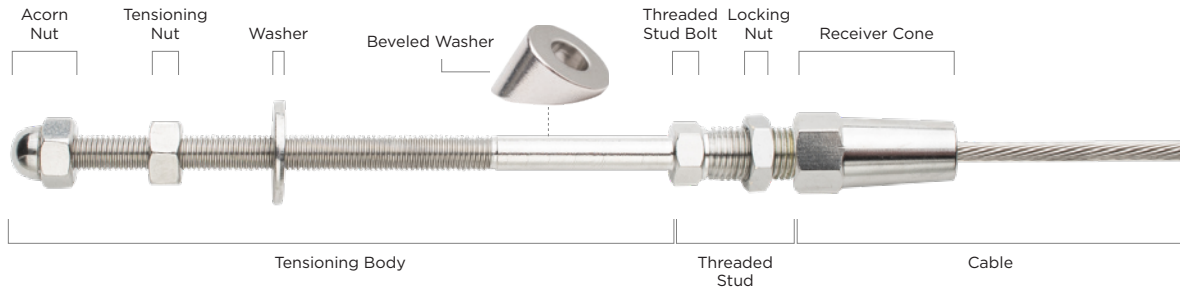


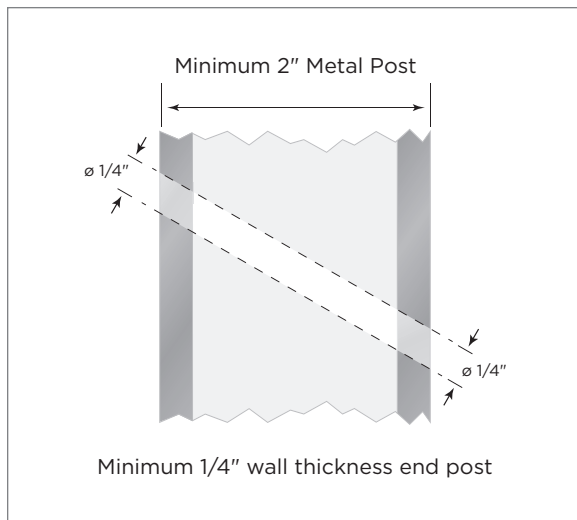


Installation Instructions for Metal Posts Stair Runs, Tensioning



Fitting comes preassembled.

A. Post Preparation



- A1. Using one face of the post, determine the center line of the post that runs from top to bottom.
- A2. Mark the placement of the holes to be drilled along the center line of post. Drill holes should be spaced a maximum of 3" apart from one another starting 3" from the underside of the handrail.

- A3. **End post:** to prepare an end post to accept the Tensioner, drill holes with a 1/4" drill bit.

Intermediate post: to prepare an intermediate post to accept 1/8" cable, drill holes with a 5/32" drill bit.

NOTE: The maximum hole spacing must be 3" apart to meet Building Code requirements.

B. Fastening the Tensioning Body

IMPORTANT INSTALLATION NOTE

STAIR APPLICATIONS

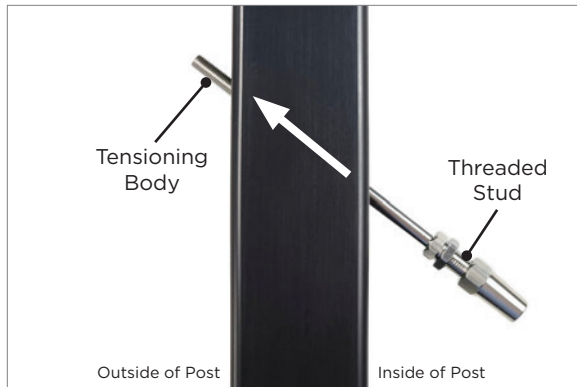
The Tensioning fitting must be installed on each end post. Only one fitting will function as a tensioner. Install the non-tensioner end first.

- Refer to CR1605 and CR1705 and CR1605 and CR1705 stair instructions, non-tensioning for metal posts

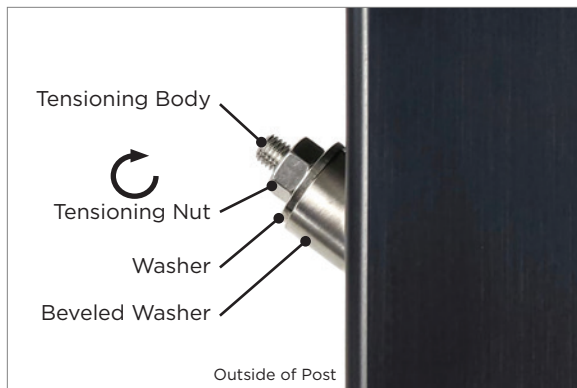


ATTENTION INSTALLERS! DO NOT REMOVE CONE

This new and improved Jaw does not require the cone to be removed. Removing the cone will render the Jaw to be **UNUSABLE**. In case of accidental removal, a replacement Jaw (CR1921) can be ordered at geobezdan.com/cr1921

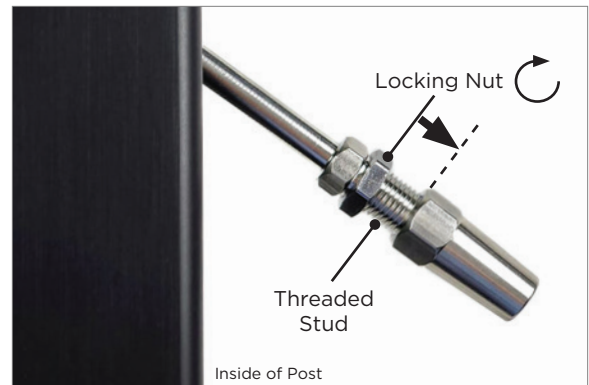


- B1. Holding the Receiver Cone, feed the Tensioning Body through the inside to the outside of the post. Part of the Tensioning Body may extend beyond the post depending on your post size.

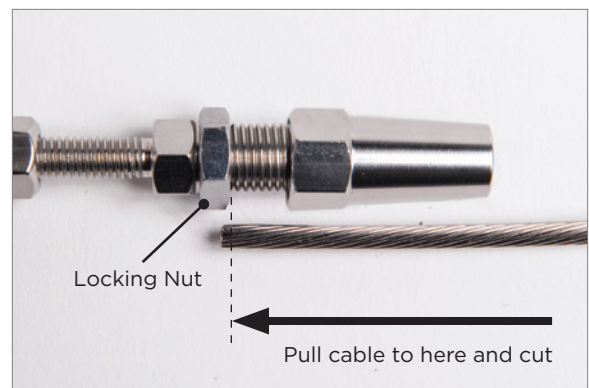


- B2. From outside of post slide on the Beveled Washer followed by the Washer. Screw Tensioning Nut onto the Tensioning Body three (3) full rotations clockwise, do not fully tighten. The Tensioning Nut will be tightened at the end of the installation to allow for adequate tensioning of the cable. Refer to step E1.

C. Fastening the Locking Nut to the Tensioning Body

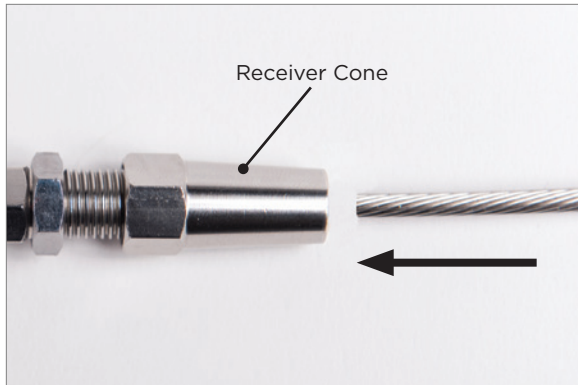


- C1. Screw the Locking Nut in a clockwise motion on the Threaded Stud until the Locking Nut is flush against the Threaded Stud Bolt.

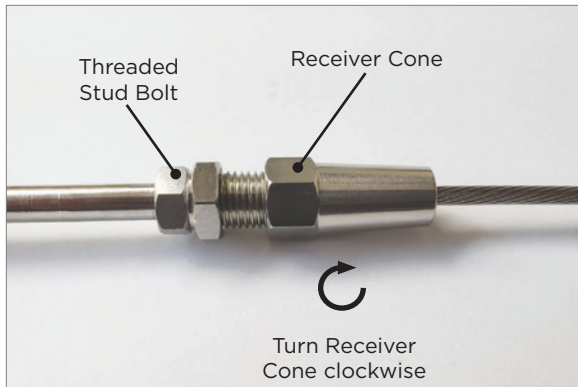


- C2. Pull the cable, which is already attached to the non-tensioning fitting on the opposing end post, to the face of the Locking Nut. Measure, mark, and then cut the cable using a cable cutter.

D. Fastening the Cable

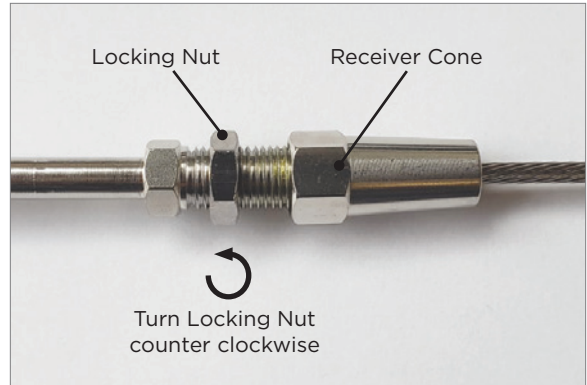


D1. Insert the cable into the cone.



D2. Use a 10mm wrench to hold the Threaded Stud Bolt. Holding the Threaded Stud Bolt will keep it from spinning while the Receiver Cone is being tightened.

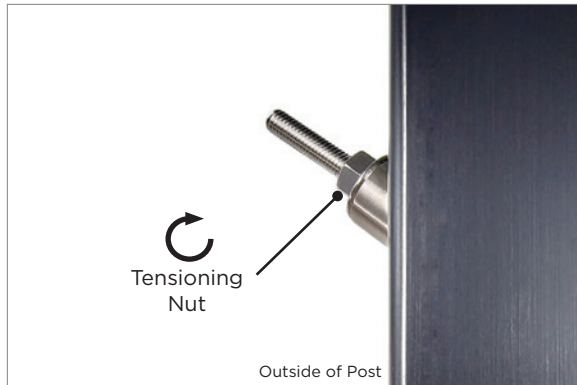
Tighten the Receiver Cone along the Threaded Stud. This step will crimp the Jaw and Receiver Cone onto the cable. Use a 12mm wrench to turn the Receiver Cone clockwise and securely fasten onto the Threaded Stud until the Receiver Cone can no longer turn.



D4. Use a 12mm wrench to turn the Locking Nut in a counter clockwise direction, this will lock the Receiver Cone into place.

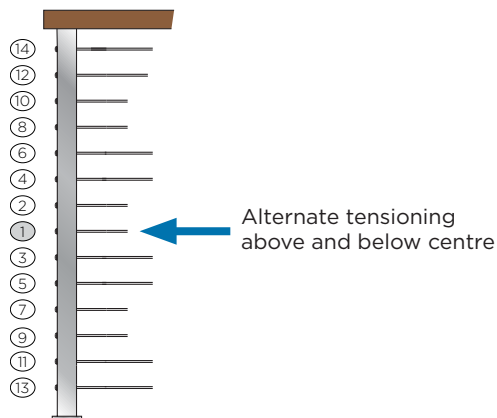
Use a 12mm wrench to hold the Receiver Cone while the Locking Nut is being tightened.

E. Tensioning



- E1. Use an 11mm wrench to tighten the Tensioning Nut in a clockwise direction.

Follow the recommended tensioning sequence (below) to ensure proper installation.



Alternating between cables above and below the center run of cable, tighten until the cable is taut.

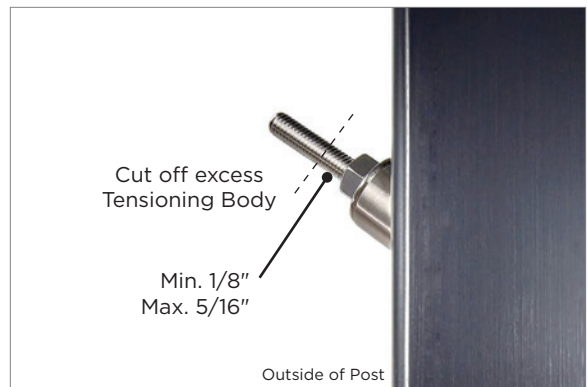
As tension is applied the surrounding cables may become loose. If this happens move onto the next sequenced cable run.

Repeat the sequence if necessary, re-tensioning the cables starting from the center cable run.

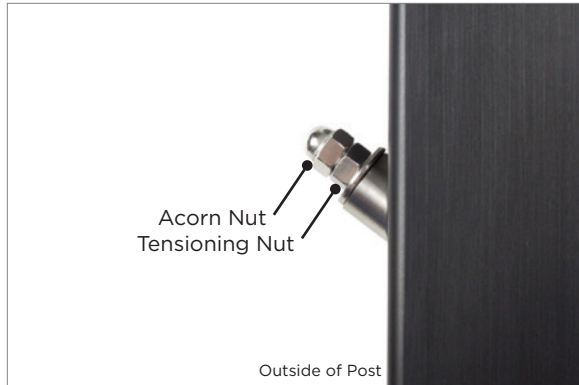
It is important to keep the cable from spinning during tensioning. Do not over tension.



- E2. Once all tensioners have been tightened, test the cable run for deflection. Once all cable runs are properly tensioned the cable spacing should measure 3". The cable runs should be taut. The cable should not exceed a 1/2" deflection and a 4" sphere should not be able to pass between two cable runs. If more than 1/2" deflection exists, repeat step E1 until greater tension has been achieved. Do not over tension. Overtensioning will lead to bowing of metal posts.



- E3. The Tensioning Body can be cut to a minimum length of 1/8" with a maximum exposed length of 5/16" to allow the Acorn Nut to be affixed.



- E4. Complete the installation by threading the Acorn Nut in a clockwise direction onto the Tensioning Body. The Acorn Nut should sit flush against the Tensioning Nut to lock the device in place.

Limited Warranty

Bezdan warrants to the original property owner/purchaser that Bezdan stainless steel cable and fittings are free of defect for a period of ten (10) years from the date of receipt. This warranty covers defects in workmanship and materials under normal use, conditions, installation and maintenance in accordance with the product specifications and procedures described in the cable rail installation and maintenance instructions. Learn more at geobezdan.com/bezdan-cable.