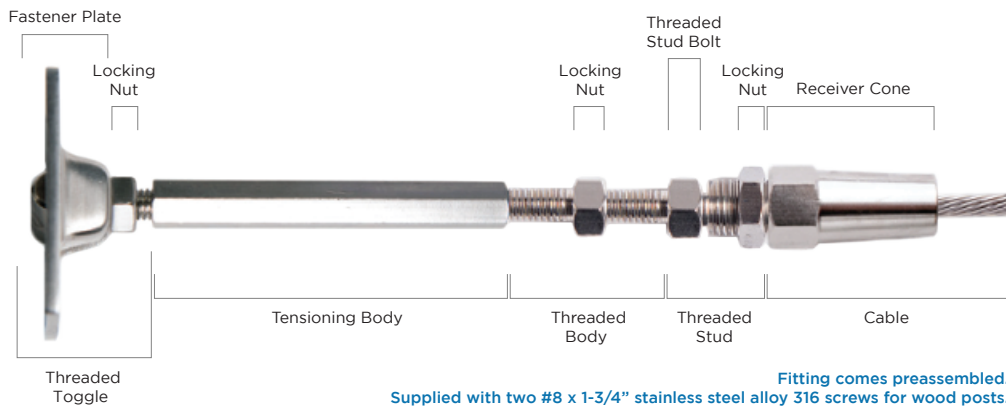
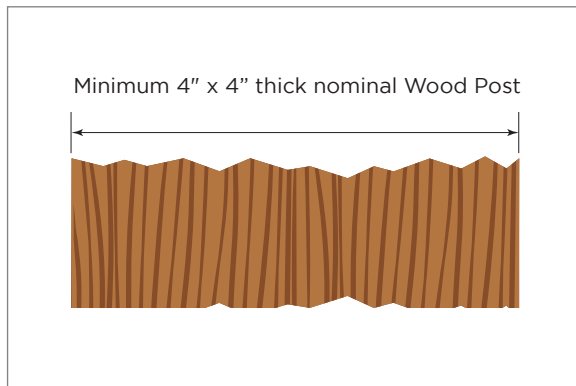




## Installation Instructions for Wood Posts on Level Runs, Tensioning

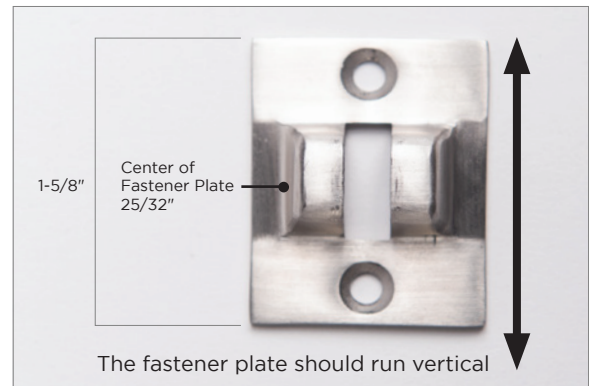


Fitting comes preassembled.  
Supplied with two #8 x 1-3/4" stainless steel alloy 316 screws for wood posts.  
Fasteners for metal posts are not supplied.



### A. Post Preparation

- A1. **End Post:** Prepare a wooden end post to accept the Tensioner. Determine the center line of the end post that runs from top to bottom.



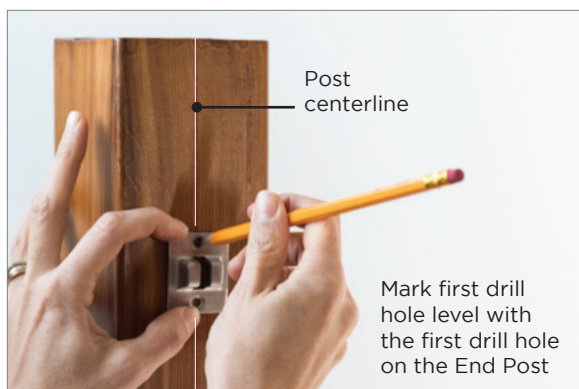
- A2. Draw a line across the face of the Fastener Plate to determine the centerline of the plate. The center of each plate must be spaced 3" on center of the end post. Measure and mark the placement of the Fastener Plate on the end post for drilling.

- A3. Drill a pilot hole using a 1/8" drill bit for wood. Drill 1/2" deep, **DO NOT** drill through the end post.



### ATTENTION INSTALLERS! DO NOT REMOVE CONE

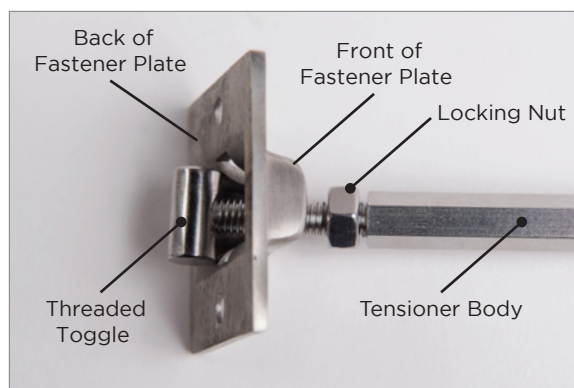
This new and improved Jaw does not require the cone to be removed. Removing the cone will render the Jaw to be **UNUSABLE**. In case of accidental removal, a replacement Jaw (CR1921) can be ordered at [geobezdan.com/cr1921](http://geobezdan.com/cr1921)



- A4. **Intermediate Post:** Begin from the top of the intermediate post. Determine where the first drill hole should be. Level the first drill hole with the first run of cable from the the end post. Measure and mark the first drill hole. Mark sequenced drill holes 3" apart on center on the intermediate post.
- A5. Drill through the intermediate posts where the marked measurements are to accept 1/8" cable 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 to the Post



- B1. To allow for the Fastener Plate to be securely attached to the end post with screws ensure that the threaded toggle can swivel freely within the base. The Locking Nut may need to be backed away from the front of the Fastener Plate.



### IMPORTANT INSTALLATION NOTE

#### LEVEL RUNS LESS THAN 25'

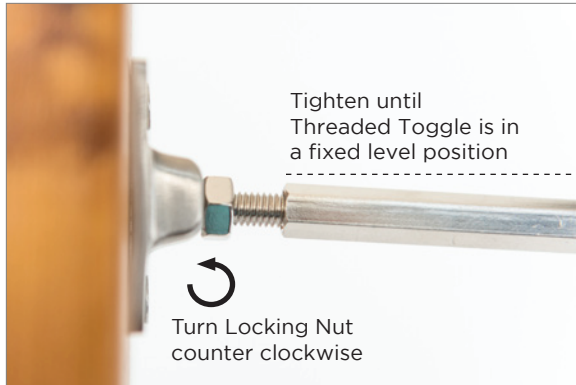
Prior to installing the Tensioner, ensure that the cable is secured within the non-tensioner on the opposing end post.

- For metal and wood posts, refer to CR1635 & CR1735 (non-tensioner surface mount).

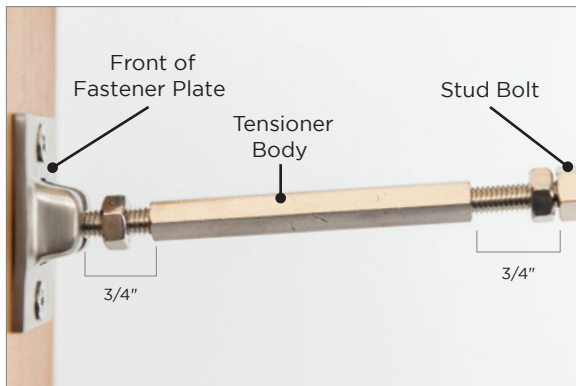
#### LEVEL RUNS MORE THAN 25' AND LESS THAN 45'

The tensioning fitting must be affixed to each end post.

- For metal and wood posts, refer to this instruction set for both end posts.

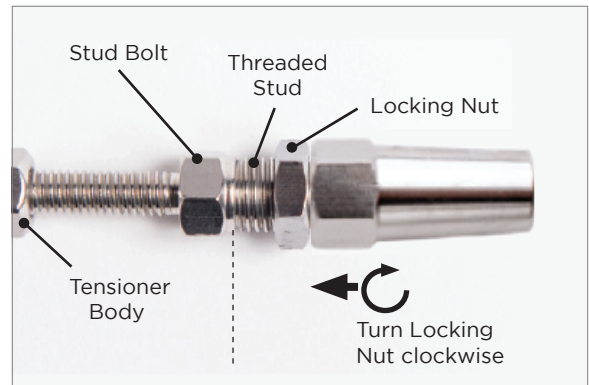


- B3. Tighten the Locking Nut on the Threaded Toggle counter-clockwise until the Toggle holds in a leveled, fixed position. Tighten Locking Nut until taut.



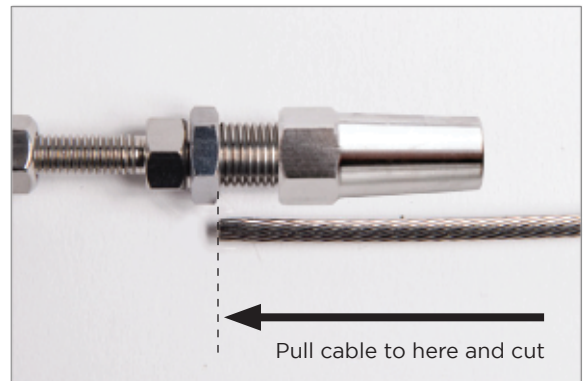
- B4. Ensure there is a 3/4" gap between the Fastener Plate and the Tensioner Body as well as a 3/4" gap between the Tensioner Body and the Stud Bolt. Adjust the Hex Shaft on the Threaded Toggle and Tensioning Screw until a 3/4" gap on each side of the Tensioning Body has been achieved.

## C. Fastening the Locking Nut to the Threaded Stud



- C1. Screw the locking nut in a clockwise motion on the threaded stud until the locking nut is flush against the threaded stud bolt.

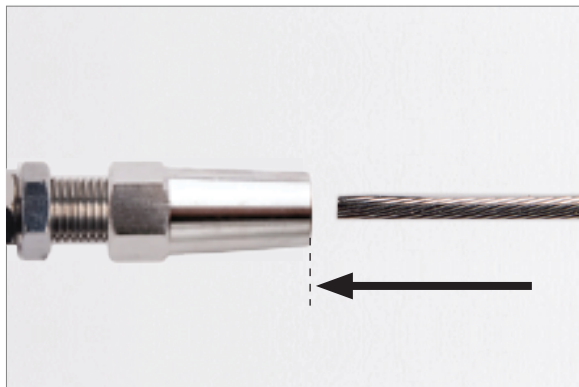
## D. Fastening the Cable



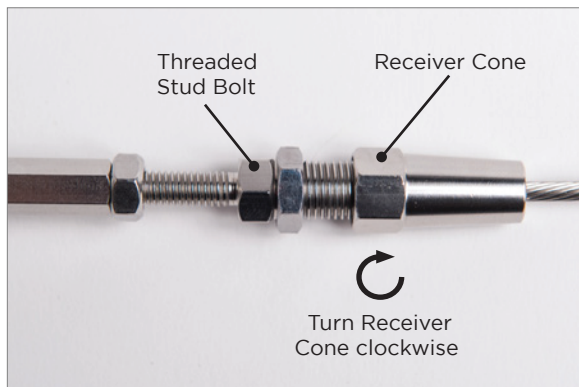
- D1. Pull the cable, which is already attached to the non-tensioning fitting on the opposing end post, to the face of the Locking Nut. Measure, mark, and then cut the cable using a cable cutter.

## 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](http://geobezdan.com/bezdan-cable)

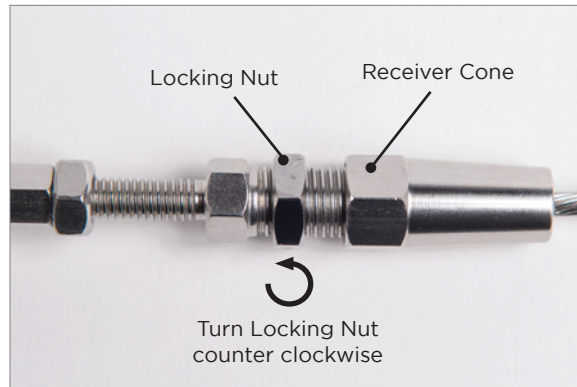


D2. Insert the cable into the cone.



D3. 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.

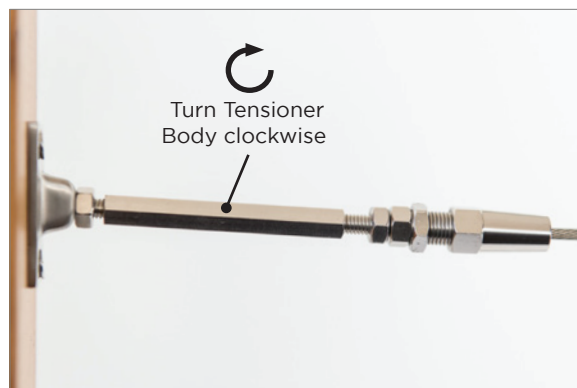
Tighten the receiver cone along the threaded stud. This step will crimp the Jaw and Receiver Cone onto the cable. Use a 12mm wrench to turn the Receiver Cone clockwise and securely fasten onto Threaded Stud until the Receiver Cone can no longer turn.



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

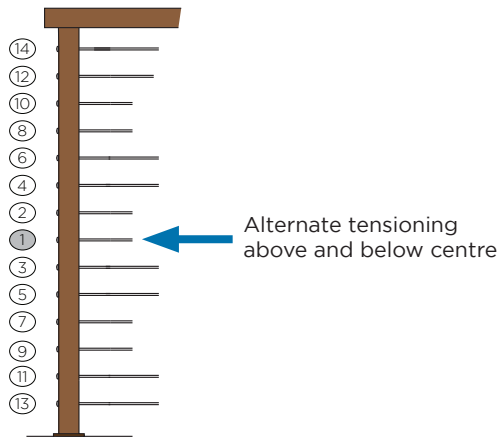
Use a 12mm wrench to hold the Receiver Cone while the Locking Nut is being tightened.

## E. Tensioning



E1. Use an 8mm wrench to tighten the Tensioner Body 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 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 12 until greater tension has been achieved. Do not over tension.