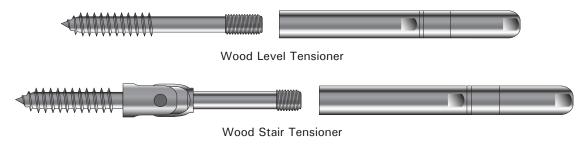
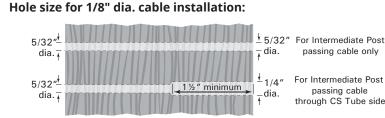
## Ultra-Flex Installation Instructions Swageless Tensioning Fittings - Wood Posts



#### A: Drill Posts

1. Make sure the holes are drilled properly in the end post where you will be installing the fitting. If you are using wood end posts, drill a hole into your wood posts a least 1½" deep at 7/32".



#### Hole size into end posts:

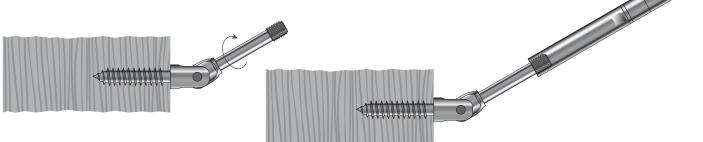


#### B. Install Tensioning Terminal

**1A.** If you are using the Wood Level Tensioner, place lag thread into pre-drilled hole and drive lag thread into wood post (or wood post with composite sleeve with a diameter up to 4½") using a 3/16" hex (Allen) wrench. Stop turning when the lag threads on the fitting are fully within the wood post. Assemble female threaded rotating portion of fitting onto male thread only so far as to cover male thread and no more.



**1B.** If you are using the Wood Stair Tensioner, place lag thread into pre-drilled hole and drive lag thread into wood post using the articulating portion of the fitting as a lever to rotate the lag end of fitting. Stop turning when shoulder on fitting between lag thread and clevis makes contact with wood post face. You may continue to rotate fitting up to 1/4 turn to properly orient the fitting. If the wood is too hard to rotate 1/4 turn clockwise, it may be backed off 1/4 turn to achieve proper orientation. Assemble female threaded rotating portion of fitting onto male thread only so far as to cover male thread and no more.





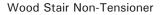
Please contact ADI with any questions:Ph: 1-800-335-5909Web: www.absolutedist.comFax: 800-203-4495Email: sales@absolutedist.com

## Push-Lock Stop-End (non-tensioning) Fittings

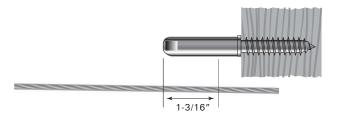




Wood Level Non-Tensioner



- C: Drill Posts
- 1. Make sure the holes are drilled properly in the end post where you will be installing the Push-Lock fitting. See Section A for detailed instructions.
- D. Install Non-Tensioning Terminal
- 1A. If you are using the Wood Level Non-Tensioner, place lag thread into pre-drilled hole and drive lag thread into wood post using our DRIVER PL-LAG tool (or a 3/8" open-end wrench) on wrench flats milled into body of fitting. Stop turning when shoulder on fitting between lag thread and body makes contact with wood post.
- **1B.** If you are using a Wood Stair Non-Tensioner, place lag thread into the pre-drilled hole and drive lag thread into wood post using the articulating portion of the fitting as a lever to rotate the lag end of fitting. Stop turning when shoulder on fitting between lag thread and clevis makes contact with the wood post face. You may continue to rotate fitting up to 1/4 turn to properly orient the fitting. If the wood is too hard to rotate 1/4 turn clockwise, it may be backed off 1/4 turn to achieve proper orientation.
- Pull the cable tight and mark the cable at a point 1-3/16" from the end of the fitting away from the post. Cut the cable at the mark, using a cable cutter.



Push the cable into the hole in the fitting as far as it will go (approximately 1-1/16"). Twist the cable clockwise as you push it into the fitting. You will feel it slide through the jaws inside the fitting. FULL INSERTION OF THE CABLE IS CRITICAL TO FITTING PERFORMANCE UNDER TENSION. (If applicable, you will receive a PL-Key with your order. This may aid in your cable installation.)



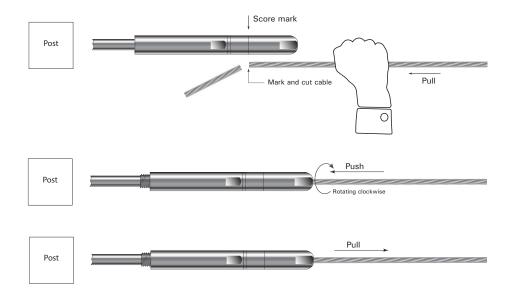
Note: *If you have trouble inserting the cable into the fitting, it may be* because the locking wedges have become stuck. This is not a defect! Here's what you can do to "free the wedges" — *For fittings for 1/8" cable, using a 1/4" diameter bolt, insert the bolt into the* hole and press until the wedges move freely. Anything larger than what is recommended can actually get stuck *inside the fitting – NOT what you want!* 

Cable Railing

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## Swageless Fittings Installation Cont.

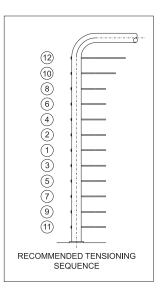
- E. Tension Cables
- Feed bare end of cable through intermediate posts and repeat same steps to insert cable into pre-attached swageless tensioning fittings as non-tensioning fittings.



**2.** After successfully attaching the non-tensioning fitting, tension cable by holding tensioner body at 3/8" wrench flat nearest cable (do not let this section rotate while cable is inserted) and rotating female threaded section of fitting with a 3/8" open-end wrench onto threads.



**3.** Tension all cables in sequence, beginning with the center cables, moving up and down toward the top and bottom. As you tension each cable, give it a sharp pull downward mid-span to help set the wedges, then re-tension as necessary in the same sequence. Be aware that the cable may move as much as 3/16" as the wedges seat.





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