

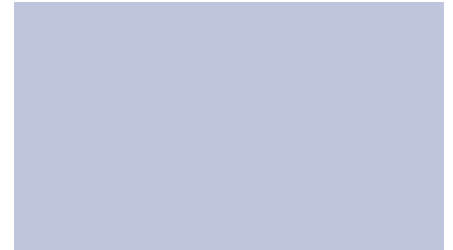
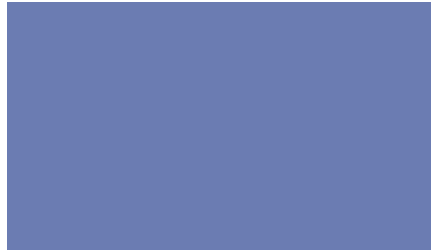


Dynamax



Dendrometer Install

Quick Start Guide

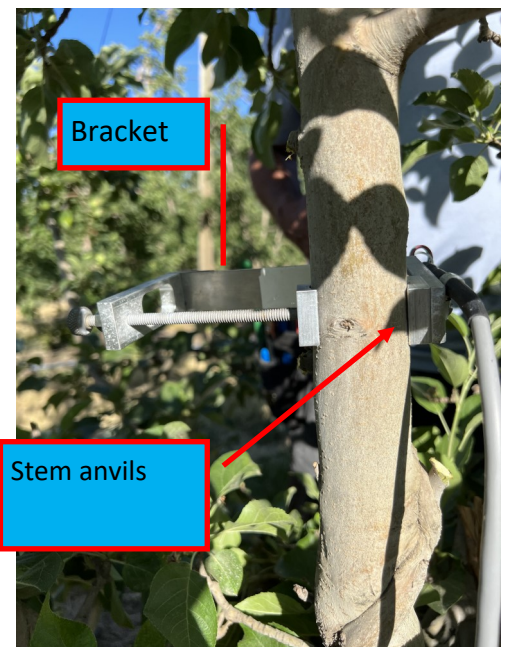
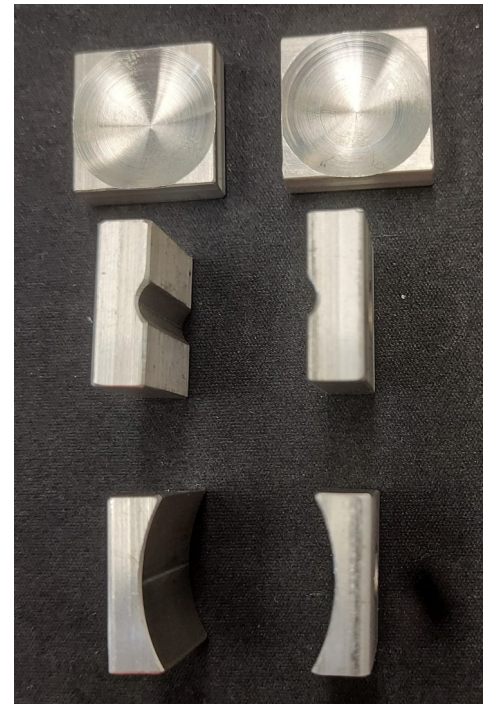


Step 1:

Scope out the branch or main trunk. Find a smooth stem, and adjust the anvils on the DEX clamping assembly. There are two matching cylindrical anvils for stems, and two matching spherical anvils to attach to fruits. If the anvil attached with a screw, is not the correct shape, change the anvil to the stem anvil as shown in this picture. Attach the matching anvil to the opposite side of the adjusting screw.

Lightly screw the clamping screw so that the two anvils will tighten onto the stem and hold itself up (usually 5 turns to 10 turns more than a contact ~ 5mm (or 1/4 inch). Suspend the sensor cable so that the weight will not change the position. A wire tie or electrical tape will secure the sensor cable. The sensors flex band will bend to add force to the stem. Do not exceed more than 5 mm, so the bend can flex 10 mm more and not exceed the sensor expansion specifications. (Important—Do not bend the flex band more than 15 mm.

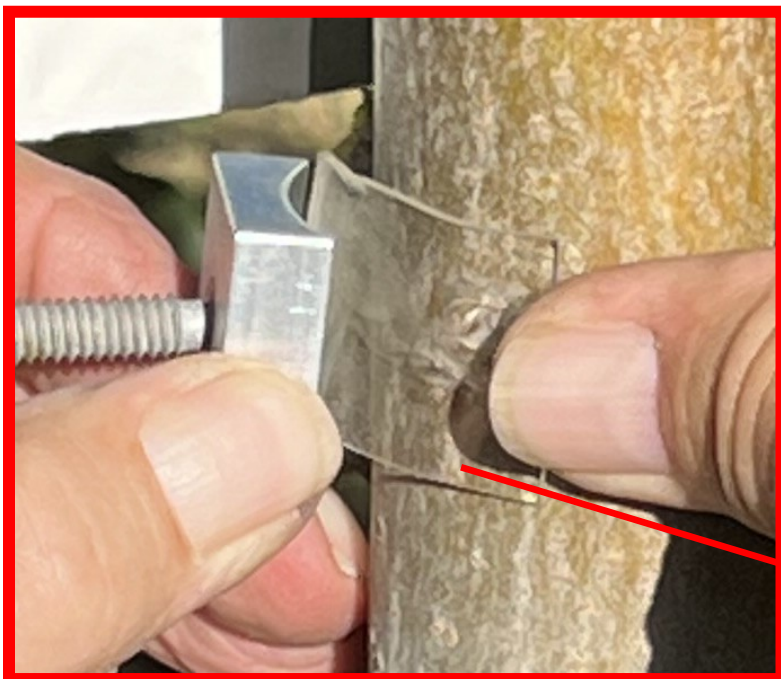
Apply double-sided tape to the stem right where the anvils will fit. Do both sides of the stem each of DEX for added stability. We chose the Gorilla tape, or the Scotch double sided tape. However 3M double sided tape is very efficient.



Scotch 665 Removable Double-Sided Tape, 0.75 x 400 Inches,...

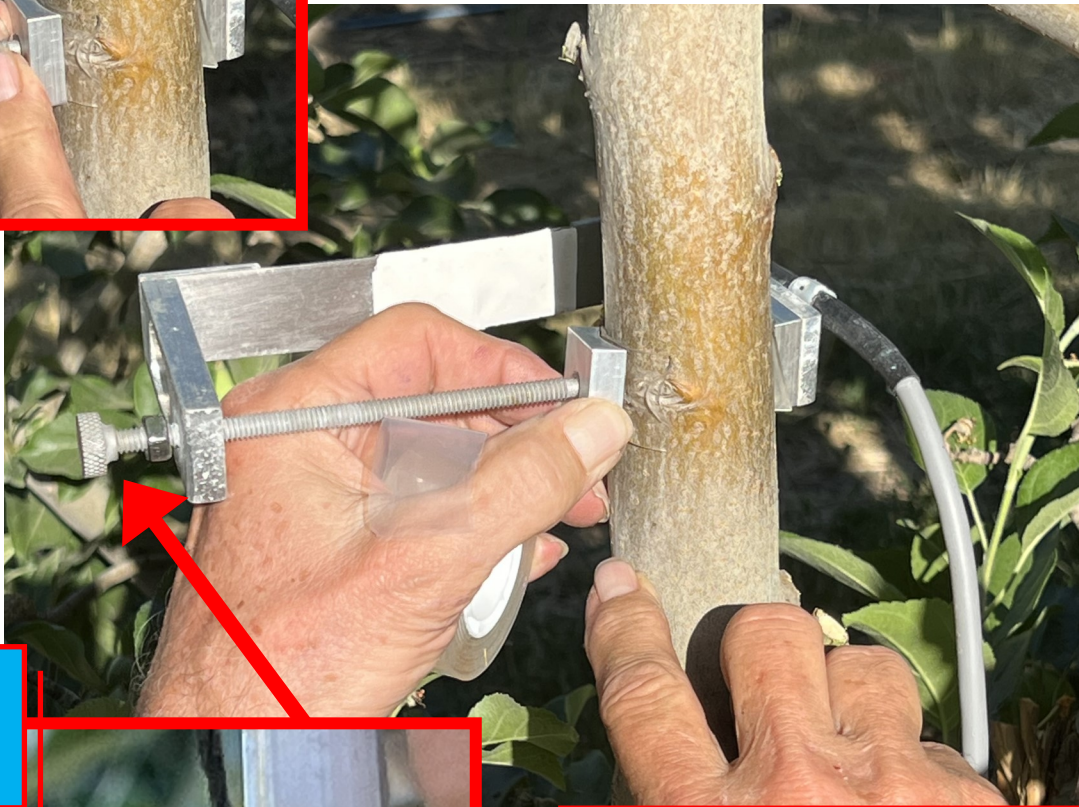
Scotch
★★★★★ 31

Step 2: Double-sided tape should be attached and taped to the plant branch where the anvil fits. Much easier install tape and then press the anvil against the DS tape area once you are complete.

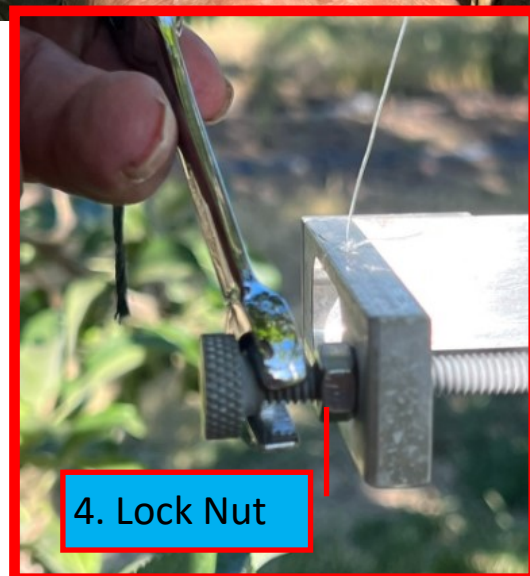
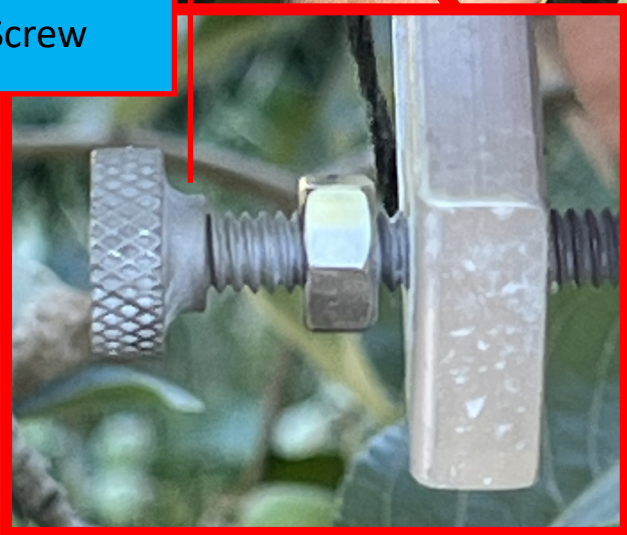


Step 3: Apply pressure to the outside of anvil for 30 seconds on opposite sides of stem, while tightening the long screw to provide added pressure to the anvils. The flex band will show some flex applying a small pressure 5 to 10 mm flex , (1/2 in maximum) to hold the dendrometer in place.

Step 4: Then tighten the Lock Nut to lock the screw position.



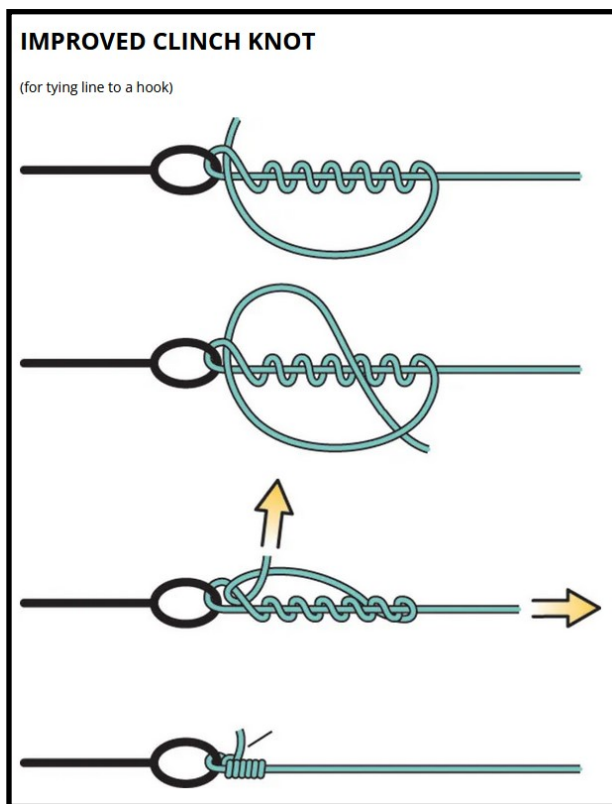
3. Long
Screw



4. Lock Nut

Step 5: Feed 10-12 lb fishing line through the micro hole on the clamp, further away from the branch. Secure fishing line onto clamp using one of the fishing line knots, such as “Improved Clinch Knot”.

Note: Only fishing knots are recommended here. Regular knots will become loose over time.



Installation is complete. Do not forget the cable should be secured so as not to extend force on the sensor.

*Note: For rapidly growing fruit or stems the flex band may need to be adjusted since with growth the pressure should be relieved when the band is flexed **over 20 mm (>3/4in) total**. This rule applies to DEX-70 an DEX100. The DEX20 growth should be relieved when the stem growth is over **13 mm (1/2 inch)***



Step 5: Loop the fishing line couple of times around a branch on top of DEX, then secure the line onto another branch with a fishing knot, such as “Improved Clinch Knot”. Keep tension on the line while looping or tying knots.

