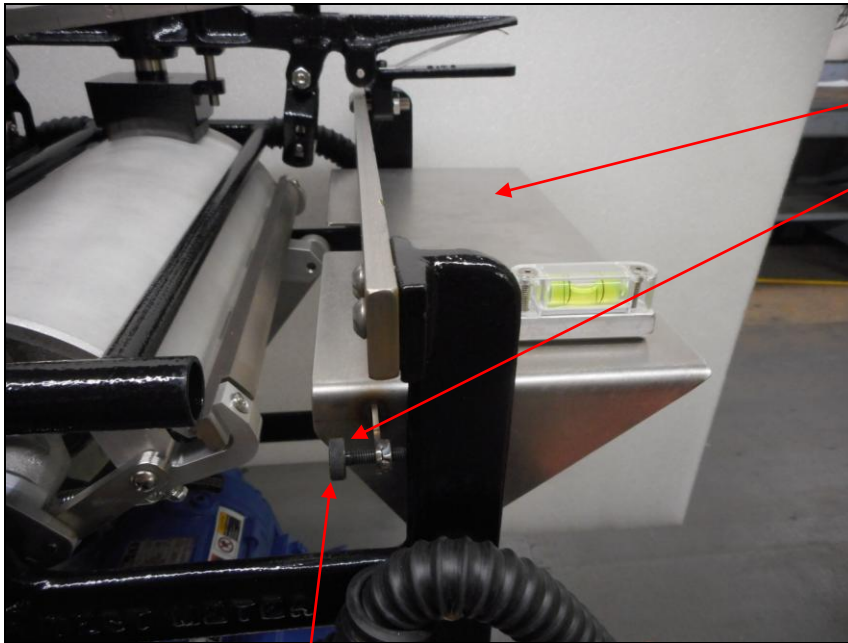


## Instructions for using Wyzenbeek Calibration Tool Set.

### **Ensure that the Wyzenbeek Tester is not energized.**

**Step one,** Tension specification on “Old Style” Wyzenbeek. The adapter plate is not used on the “New Style” enclosed Wyzenbeek.



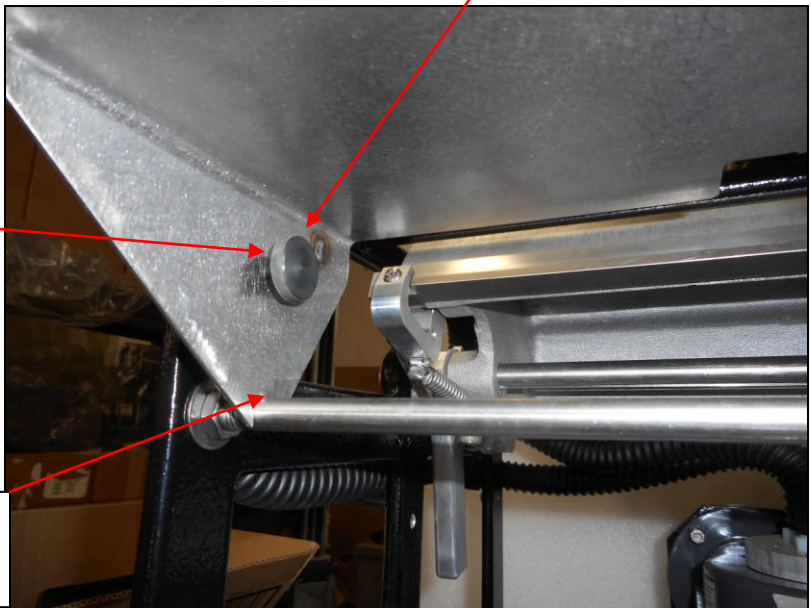
Set the Classic Adapter plate on the machine as shown, and level it with the supplied level and thumb screw.

Leveling screw

Centering screw

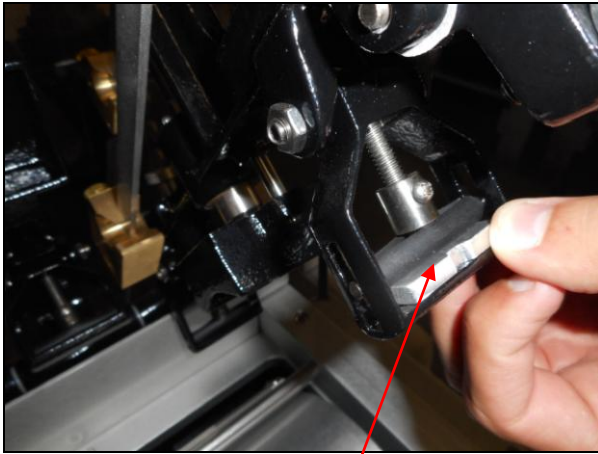
Center the adapter plate by turning the adjustment screw on the inside, until the leveling screw is centered to the casting.

See how the Classic Adapter plate sits on the frame rod of the “old style” Wyzenbeek machine.

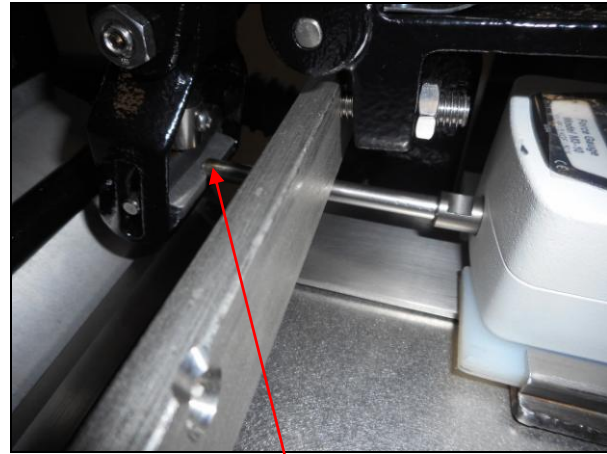


## Tension calibration.

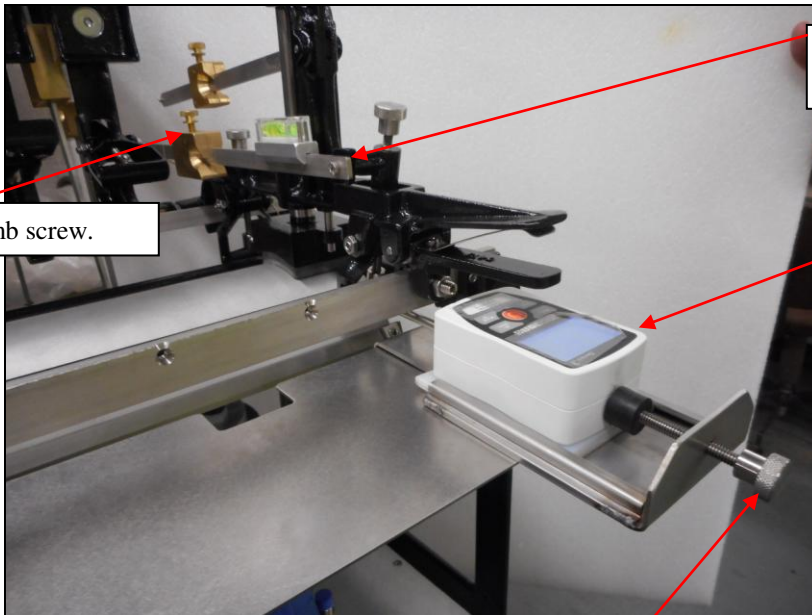
Install the probe on the Force gauge and see illustration below. Make sure to zero the gauge before use.



Insert the supplied tension set-up tool as shown.



Make sure that the probe is inserted into the tension set-up tool as shown.

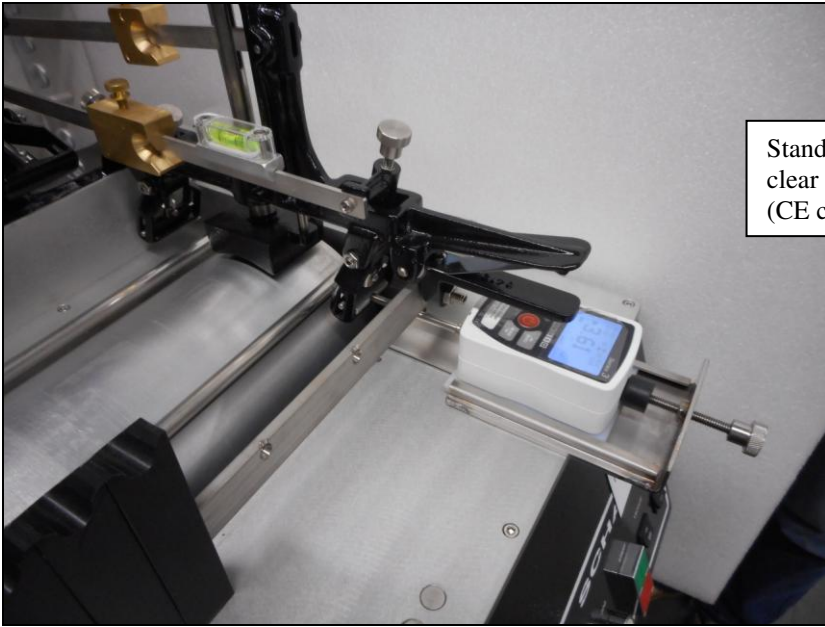


Weight thumb screw.

Level the bar, and remove the level, before adjusting the weight.

Force gauge (Mark 10 model M3-10). Different force gauges might not fit the slide plate.

Use thumb screw to raise the bar to level position.



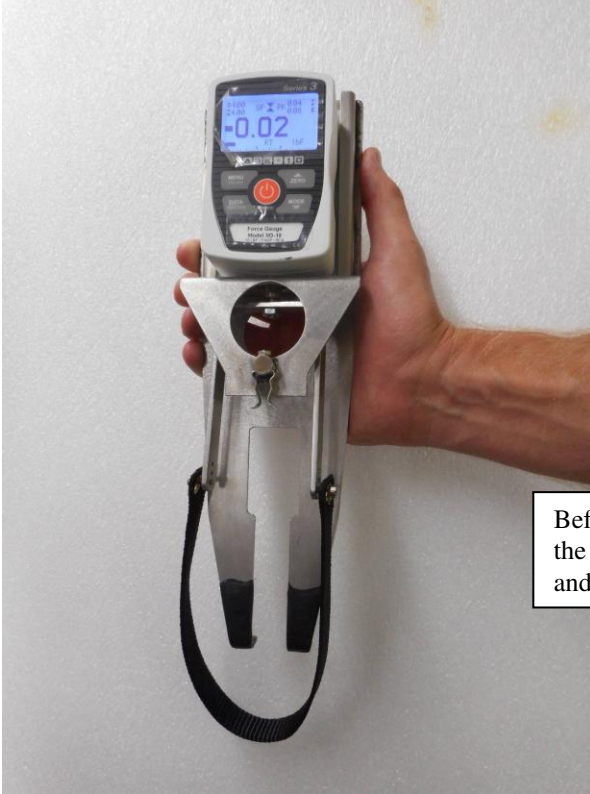
Standard Wyzenbeek with enclosure and clear cover, gauge bracket location. (CE compliant)

After leveling the weight bar, remove the level, and see what the reading is on the gauge, as found. If the number is not satisfactory, loosen the thumb screw on top of the weight, and slide it until the desired number is achieved. Let the mechanism relax, and adjust as needed, repeating the same process until the desired number is achieved.

After achieving the desired weight specification reading on the force gauge, mark the bar with a sharpie to show the position of the sliding weight. Make sure the thumb screw on the weight is tightened sufficiently so it will not loosen until it is time to re-calibrate the machine again.

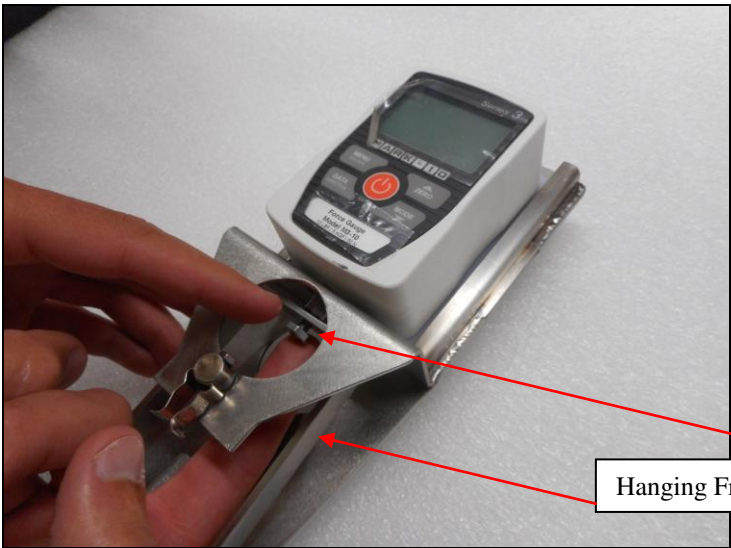
Repeat these steps on the other three stations to complete the “Tension” calibration of your Wyzenbeek wear tester.

**Step two.** Pressure specification.



You will need to move the force gauge to the vertical pressure bracket as shown, but remove the strap before mounting the bracket to the machine.

Before going any further, make sure that the force gauge is at zero with the hanger and strap attached, while holding upright.



Install the hanging frame and nut, but only put the nut on a few threads so that the hanger is loose.

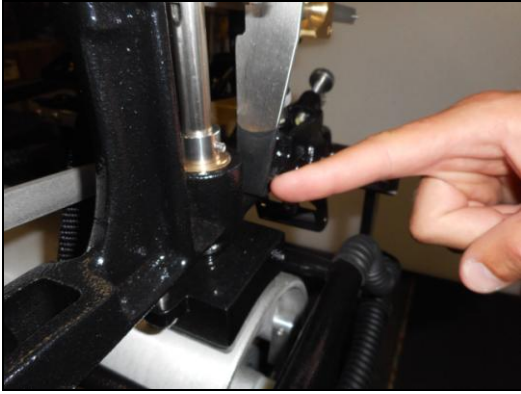
Hanging Frame and nut being installed.



Set the vertical bracket on the desired overarm, making sure that it is seated correctly in the front (spring clip), and back (rubber foot).

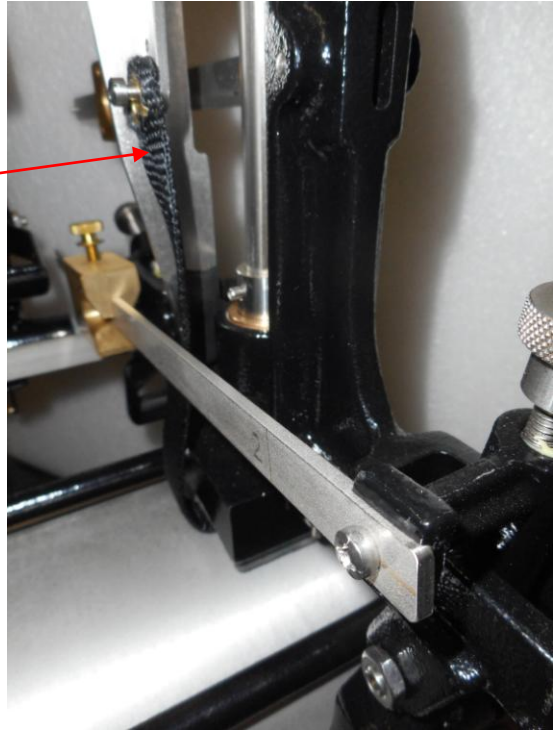


Spring Clip



The back rubber coated feet need to be up close and tight to the radius on the over-arm casting.

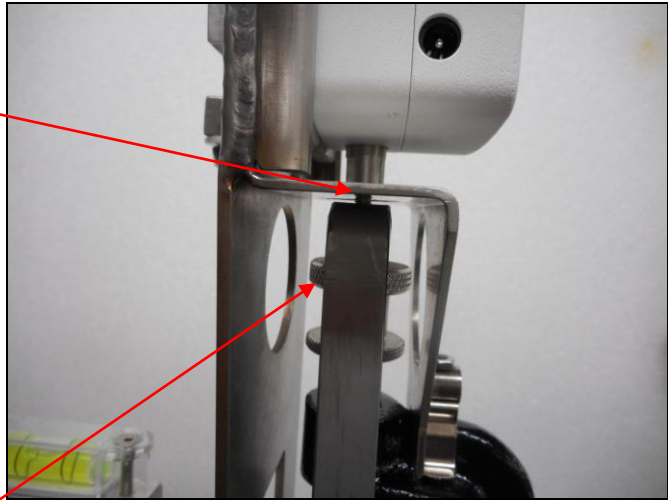
Install the strap so that it goes under the pressure pad as shown. This can be done with or without the pad installed.



Turn the top thumb screw to raise the force gauge until the weight bar is level.

Make sure that you still have a gap (as shown) when you get the weight bar level. WARNING, If the gap disappears, you could overload the load cell which could cause damage to it.

If the hanger is tight (no gap) you should raise the weight bar before raising the gauge, and this is easy to do by adjusting the thumb knob on the top of the over-arm assembly.



After leveling the weight bar, remove the level, and see what the reading is on the gauge, as found. If the number is not satisfactory, loosen the thumb screw on top of the weight, and slide it until the desired number is achieved. Let the mechanism relax, and adjust as needed, checking that the bracket is seated properly as instructed above. Repeat the same process until the desired number is achieved.

After achieving the desired weight specification reading on the force gauge, mark the bar with a sharpie to show the position of the sliding weight. Make sure the thumb screw on the weight is tightened sufficiently so it will not loosen until it is time to re-calibrate the machine again.

Repeat these steps on the other three stations to complete the “Pressure” calibration of your Wyzenbeek wear tester.