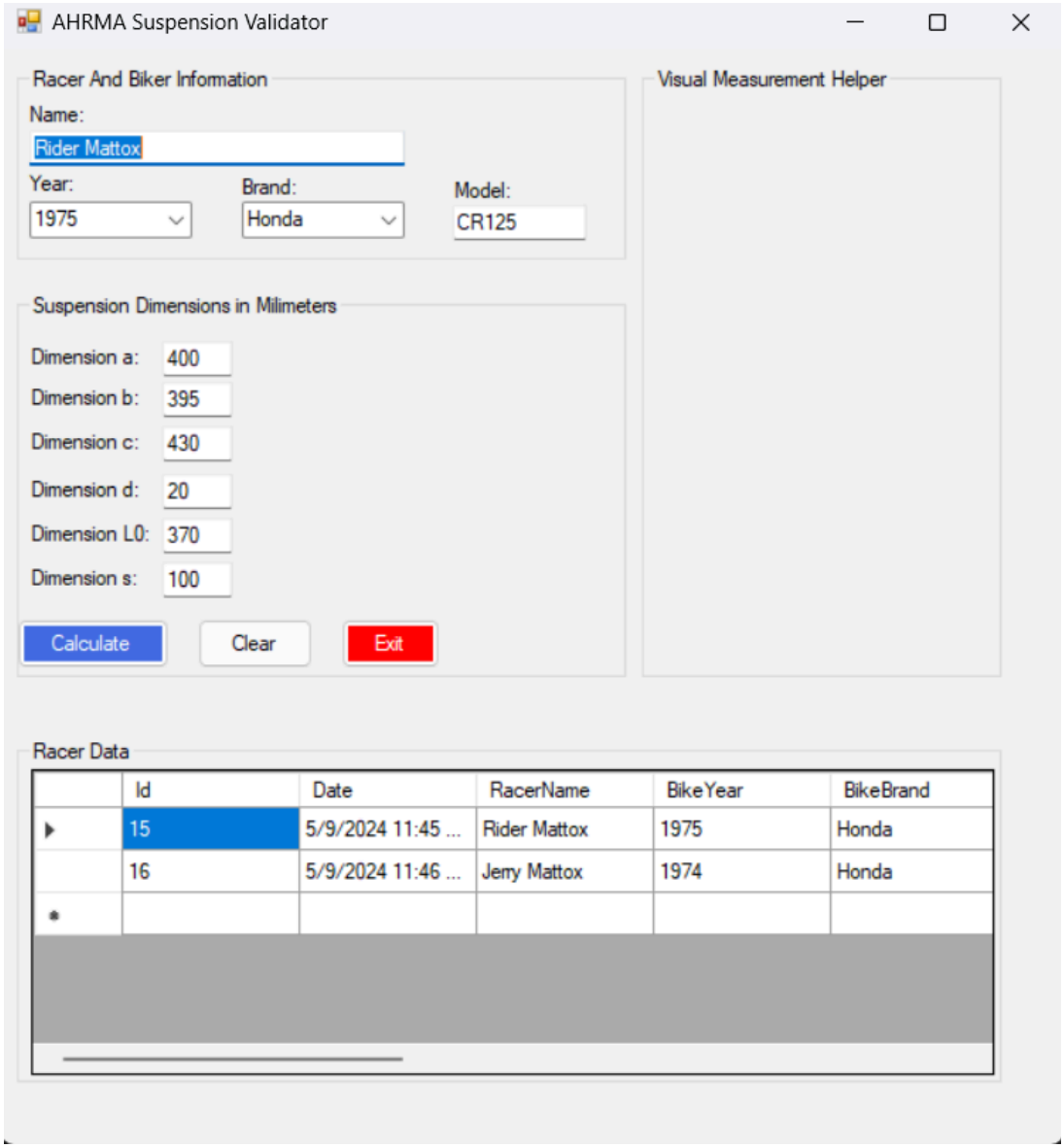
AHRMA Suspension Validator

The AHRMA Suspension Validator (ASV) determines if your bike is legal to race by determining if the racers suspension is over the 4 inch limit or not. (ASV) will accept your geometric frame measurements and it will calculate if your suspension is legal or not. If (ASV) determines the bike is not legal it will offer the amount of shims required to become legal. (ASV) offers the option to save the racer info and measurements for future races allowing tech to not have to measure again.



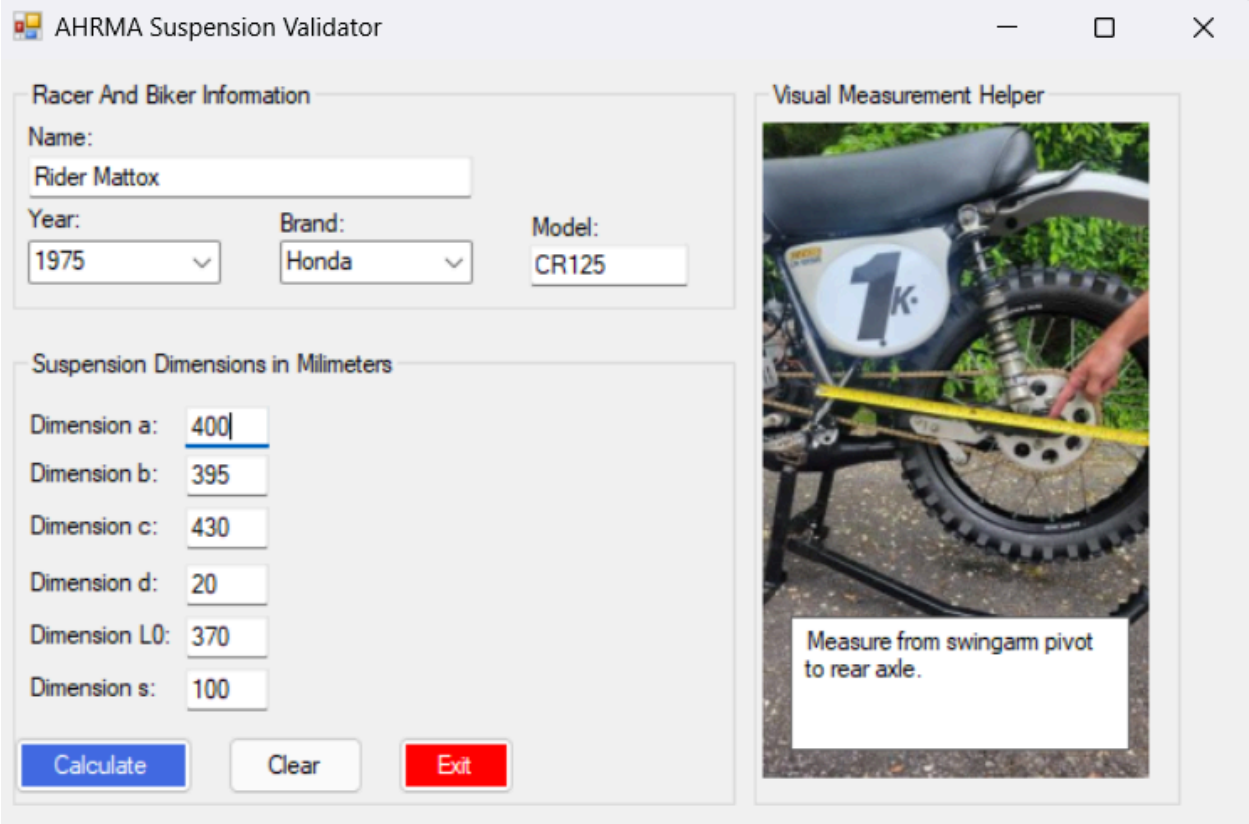
Step By Step Measurements

To use ASV a tape measure in millimeters is required to take the necessary frame measurements described below.

ASV offers a Visual Measurement Helper to guide you through the process.

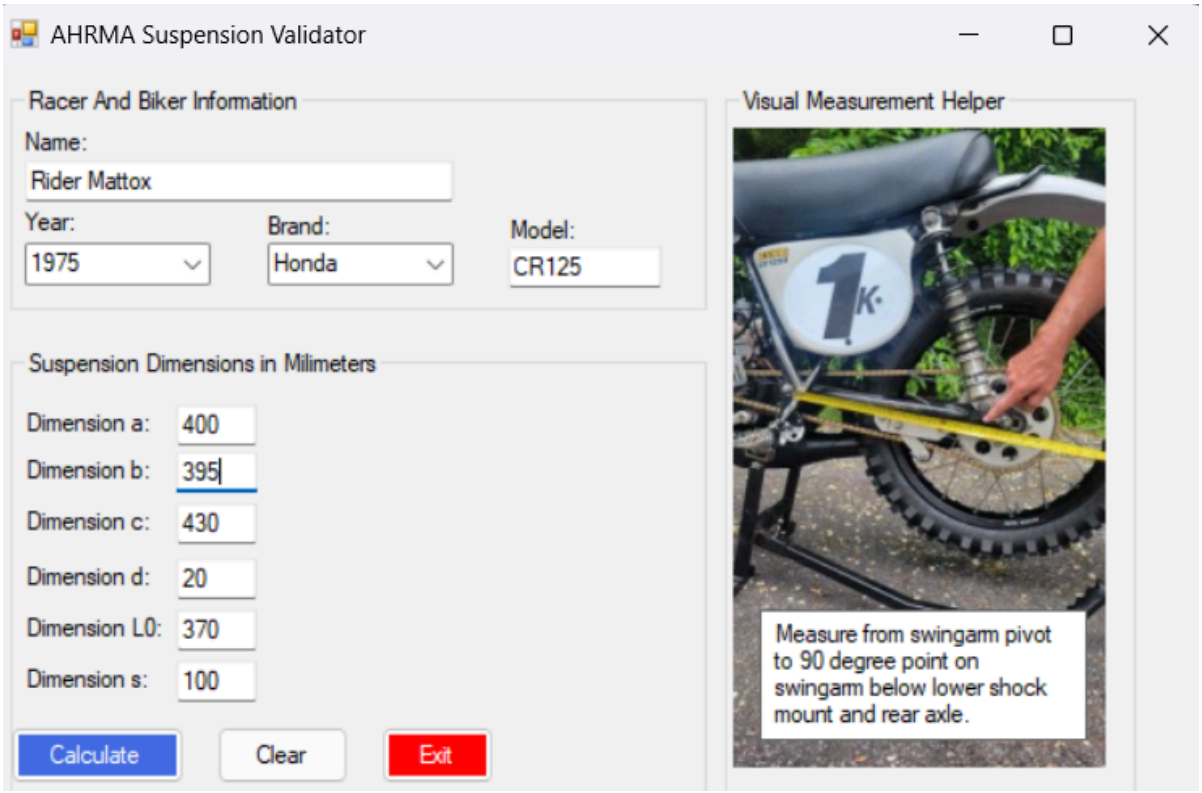
Step 1: Dimension_a

Measure from swingarm pivot to rear axle.



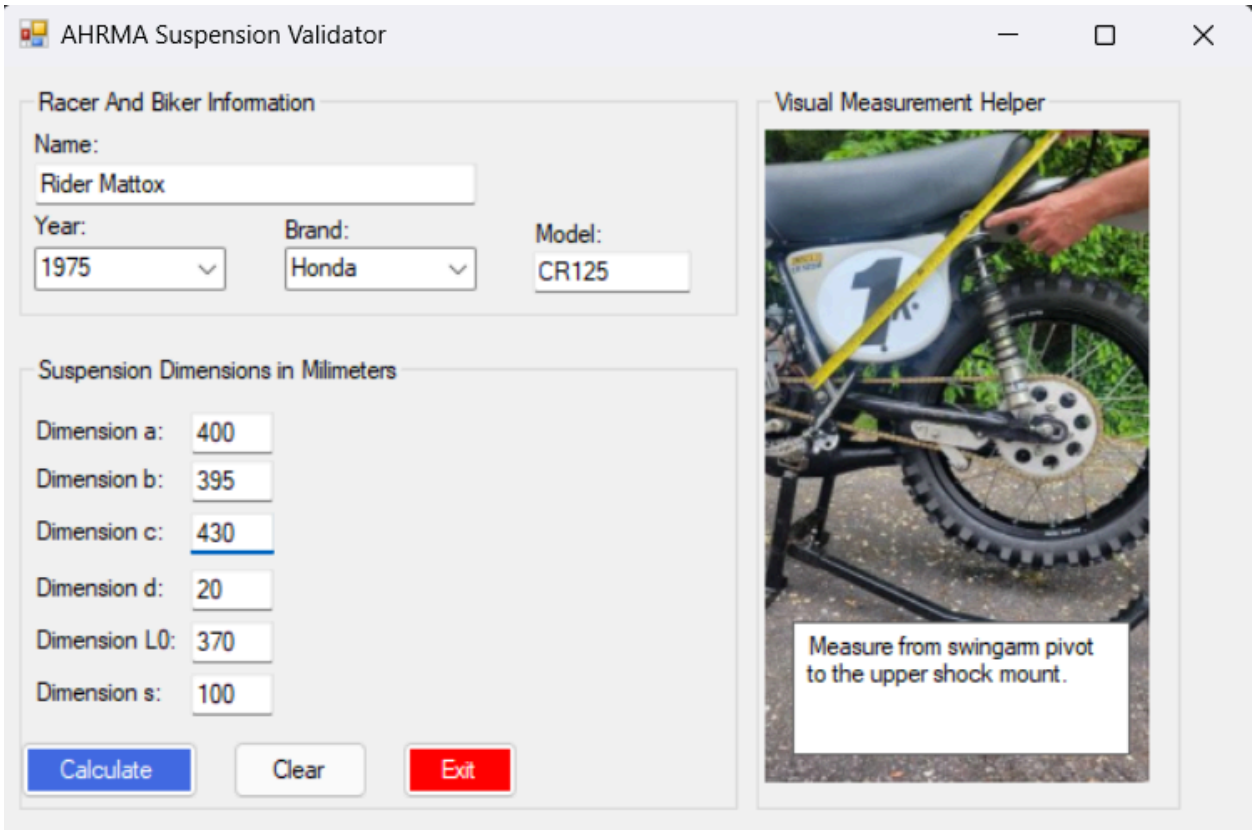
Step 2: Dimension_b

Measure from swingarm pivot to 90 degree point on swingarm below lower shock mount and rear axle.



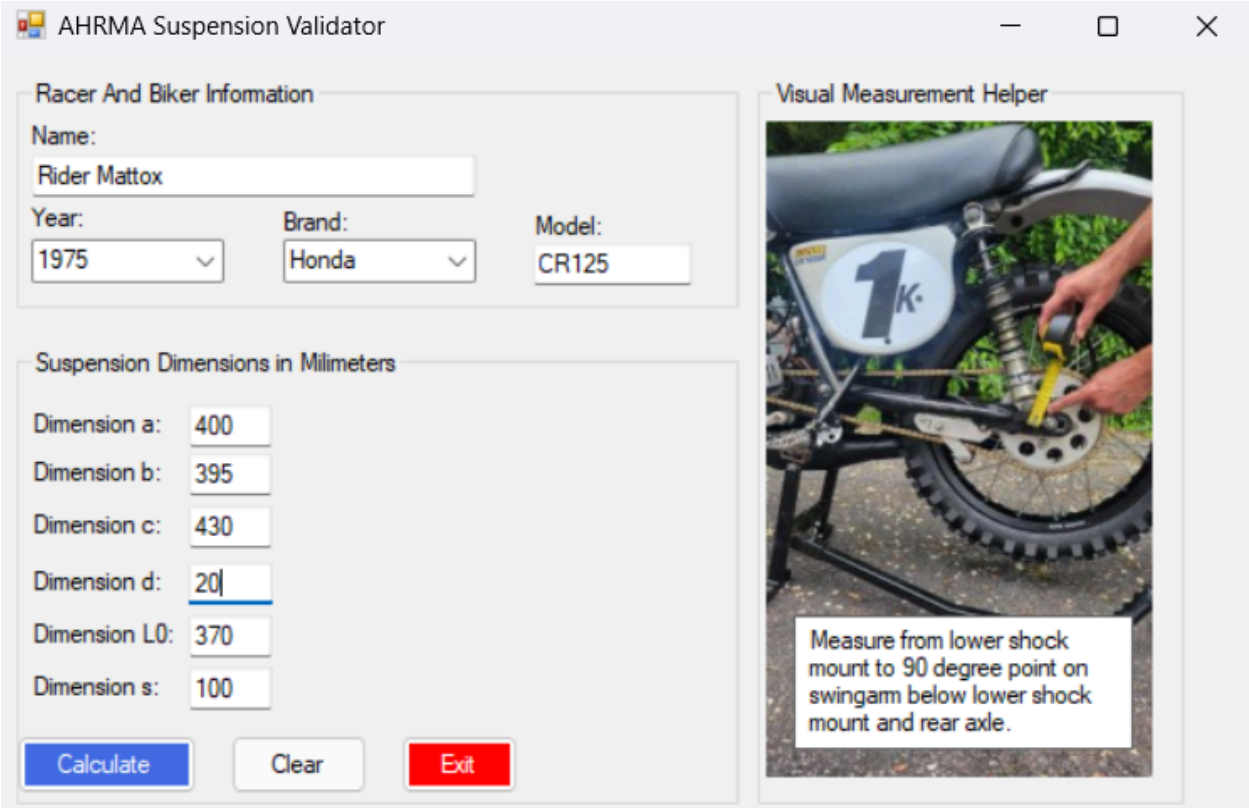
Step 3: Dimension_c

Measure from swingarm pivot to the upper shock mount.



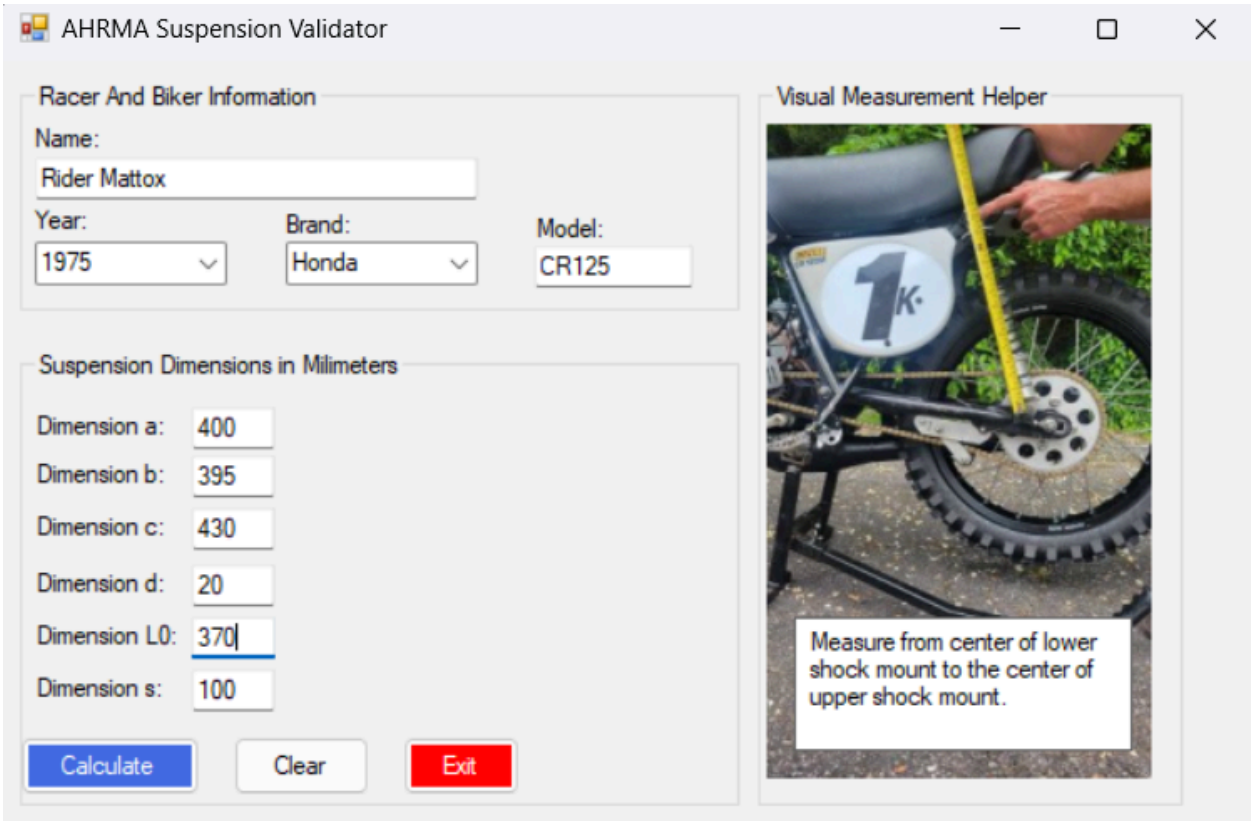
Step 4: Dimension_d

Measure from lower shock mount to 90 degree point on swingarm below lower shock mount and rear axle.



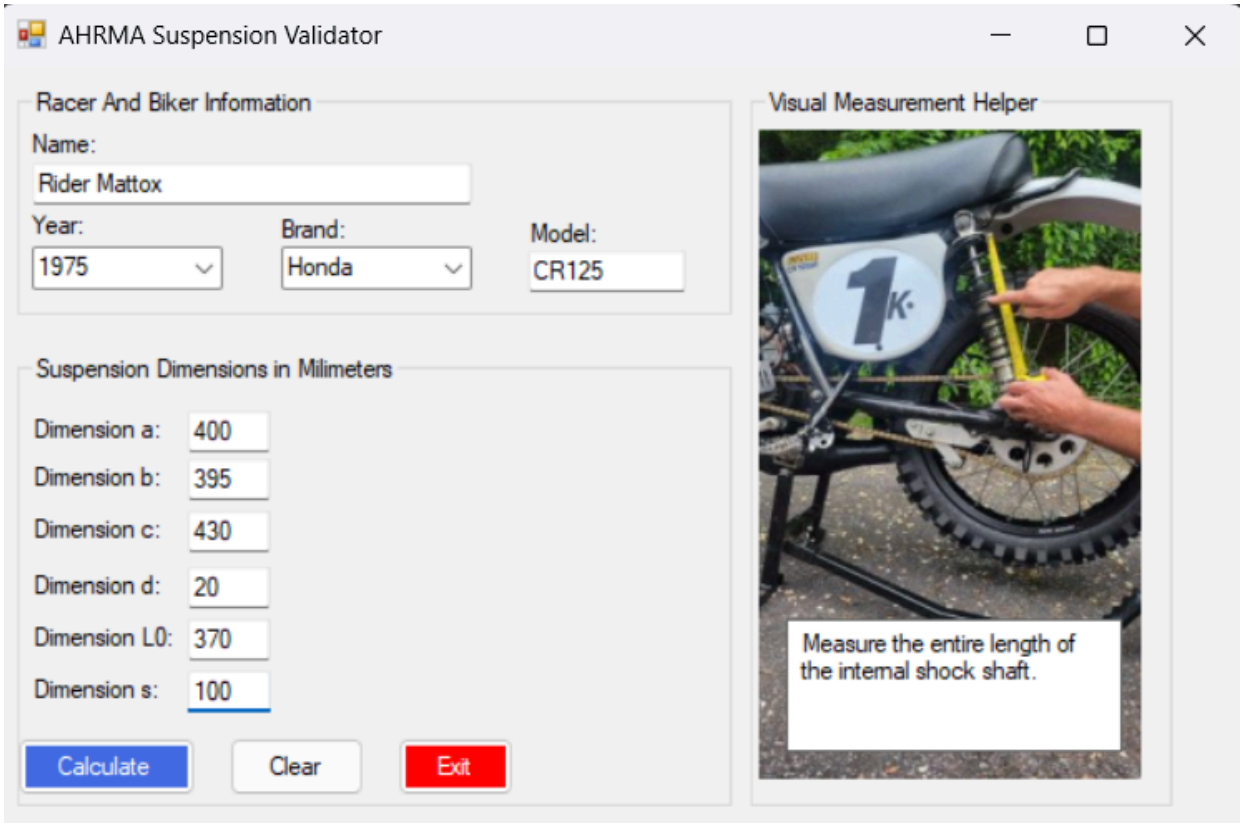
Step 5: Dimension_L0

Measure from center of lower shock mount to the center of the upper shock mount.



Step 6: Dimension_s

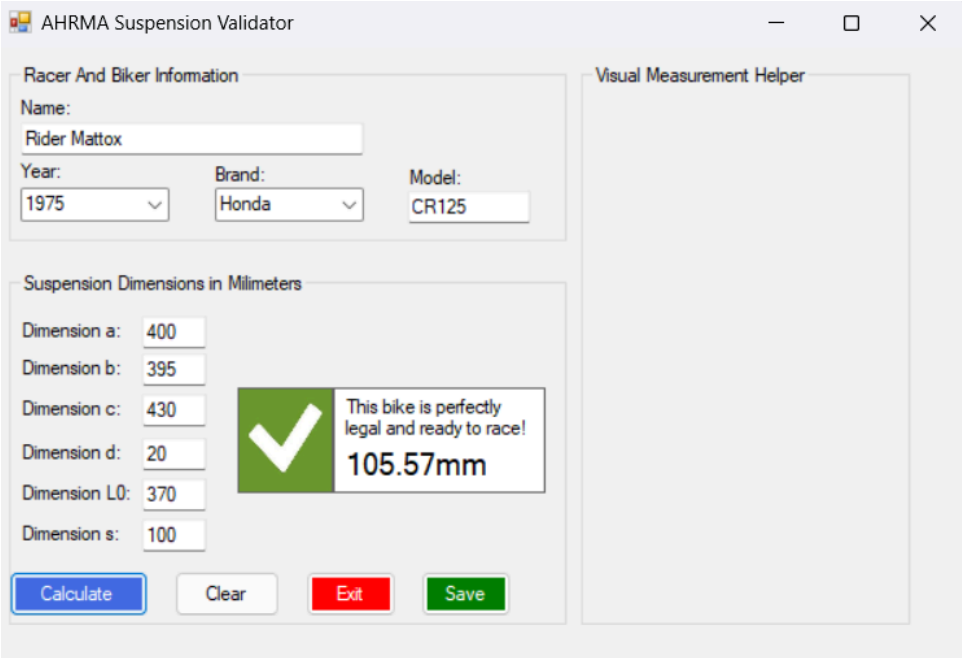
Measure the entire length of the internal shock shaft.



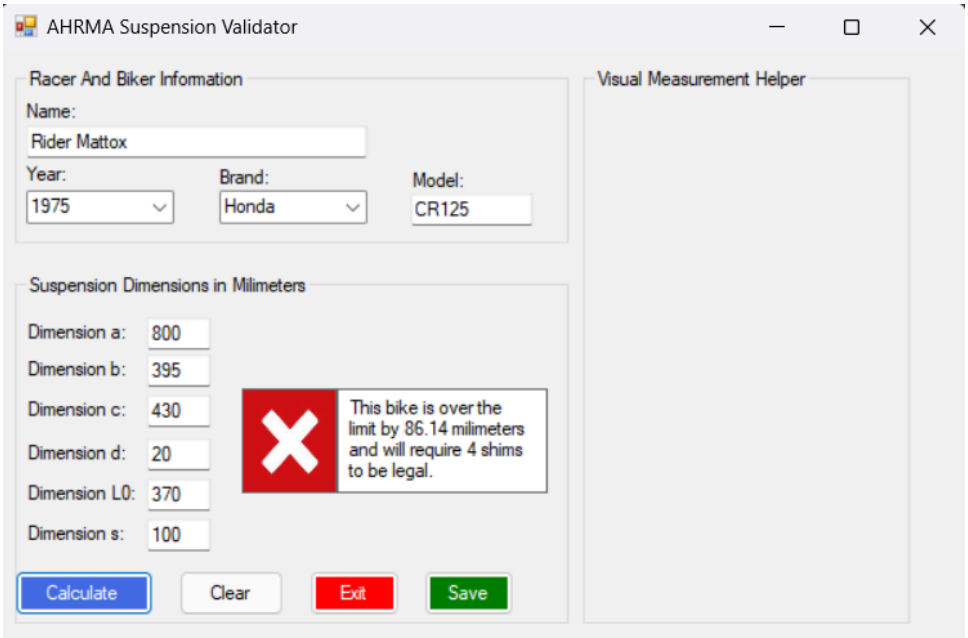
Calculate

Click the calculate button to determine if this bike is legal or not.

If legal ASV will present you with a confirmation box displaying the suspension travel measurement.

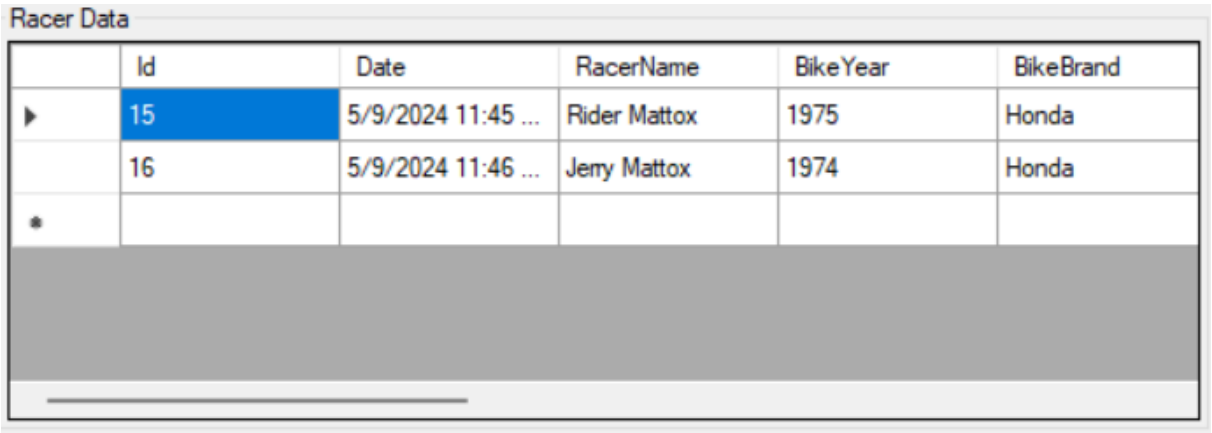


If not legal ASV will present the number of shims required to be legal.



Save

You now have the option to save the racer info and measurements.



Clear

Clear allows you to erase and start all over.

Exit

Shuts down the ASV system