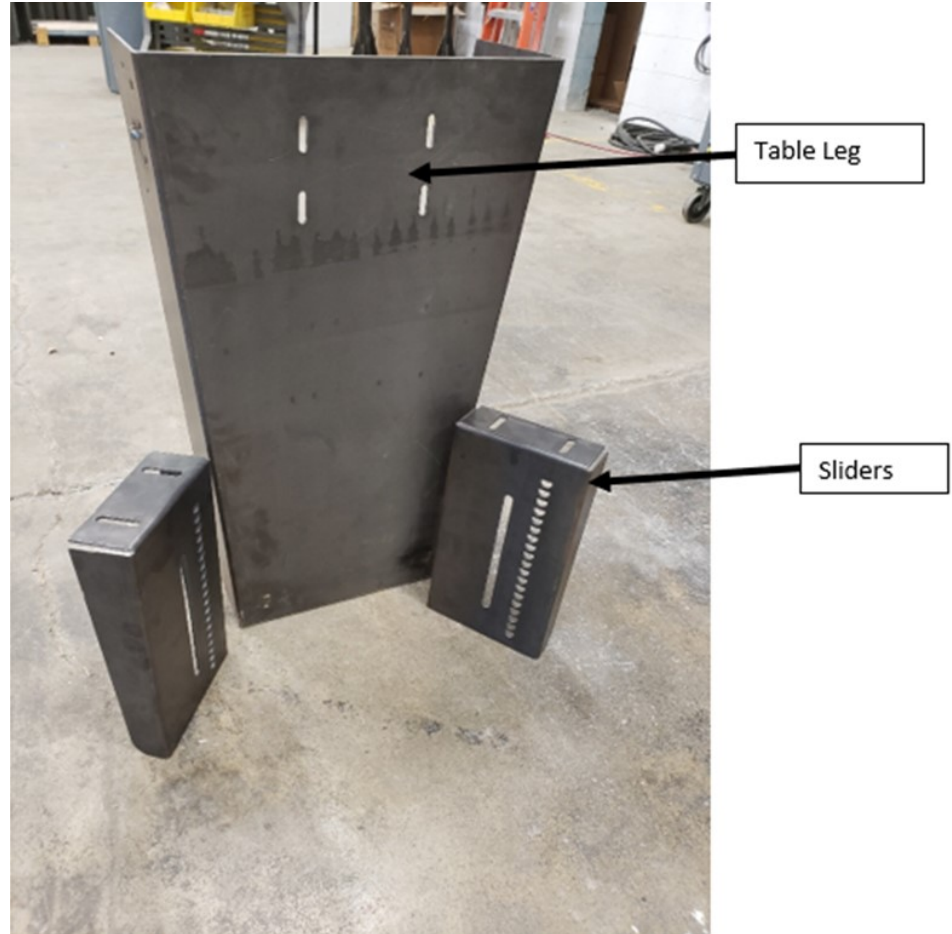


Legs & Slider Assembly

Step 1:

Unpack the RazorGage legs and sliders. The legs will be stacked one on top of the other, and the sliders will ship in a box with the bolts. Each box will contain two sliders and the necessary bolts. Outside legs will require 4 bolts per leg, and middle legs will require 6 bolts each.



Step 2:

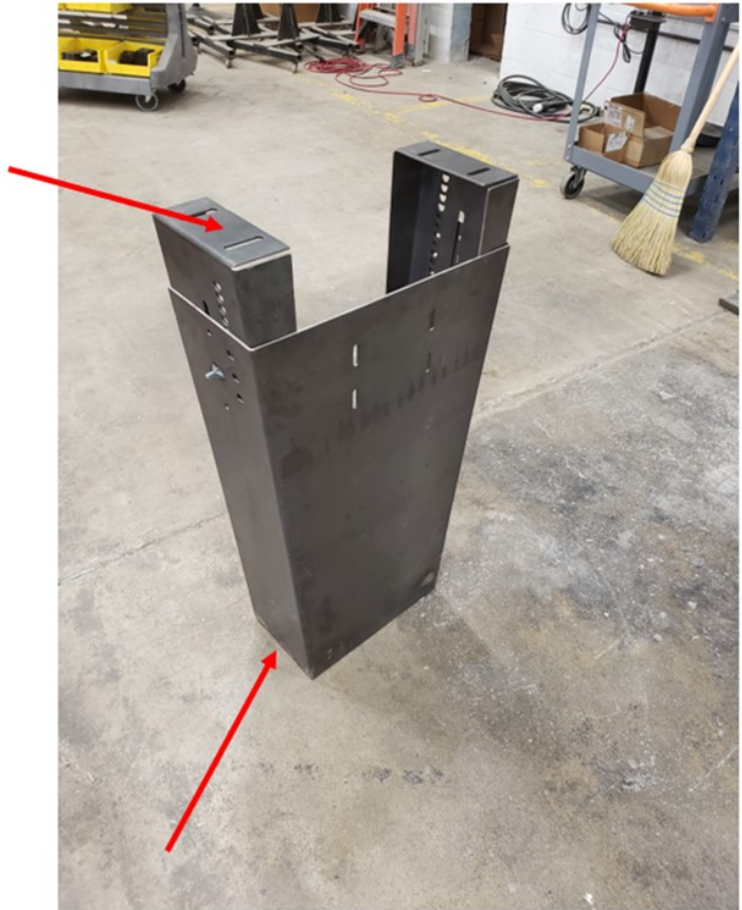
Place sliders on each side of the leg and loosely fasten with 1 bolt per slider.



Step 3:

Determine the the working height you want for your table surface. Subtract 3.00" for the thickness of the table, which will be bolted on top in a step 4. Once the height is determined, adjust each slider so the top of the slider to the floor measures to your determined value. Tighten bolts so they hold sliders in place, but do not fully tighten the bolts as minor adjustments will be made in a later step.

**Repeat Steps 2 & 3
for each of the table
leg assemblies.**



Step 4:

Place the table on top of the leg assemblies. Place the outside legs so they are flush to the outside. If the table requires two or more table tops, a leg will be placed in the center of each joint. Place these legs so half of each table is resting on the slider.



Step 5:

Fasten the table top to the leg assembly. Each outside leg will fasten with 2 bolts. Any middle leg will fasten using 4 bolts.



Use inside slot on for one table use outside slot for adjacent table if it is a middle leg assembly



Use inside slot on both sliders if it is an outside leg assembly

Use inside slot on for one table use outside slot for adjacent table if it is a middle leg assembly

Step 6:

Once all legs are fastened to the table top, place a level on the surface and determine if any adjustments need to be made. Small adjustments can be made using a screwdriver in the D-Slot system on the side of the legs and sliders. Insert screwdriver into the slot and twist to raise the slider up from the ground. If you need to lower it, simply press downward on the table directly above the slider. Once you have the corner in position, you can tighten the slider bolts from step 3.



Software Setup & Operations

When you start the Caliper software the Main Screen appears as shown below. Move the carriage against the hard stop and press 'Zero Caliper'. Now you're ready to measure. If you want to save measurements to a file, click 'Select Different Profile/Log' to set up the file name and path and to designate an image to represent the file.

Offset, Nominal Length and Tolerance are defined individually for each profile. If Nominal and Tolerance are defined, the large position display will be Red if not in tolerance, or Green if in tolerance.

The screenshot shows the 'Caliper Table Data Logger v5.1' software interface. It features a dark background with several key elements:

- Current Position:** A small box showing the value 24.143.
- Current Position + Offset:** A large central display showing 22.014 in green, indicating it is within tolerance.
- Profile's Offset:** A small box showing the value -2.129.
- Current Profile Designation:** The text 'POLYGONS: TRAPEZOID' is displayed below the main reading.
- Toggle between inches & millimeters:** Radio buttons for 'Inches' (selected) and 'Millimeters' are present.
- Buttons:** 'Zero Caliper', 'Setup Caliper', 'Select Different Profile/Log', and 'Delete Data from Log File' are arranged in a grid.
- Measurement Data:** A text area at the bottom left shows '5.878 22.010 8/5/2020 11:41:35 AM'. Below it, the file path 'C:\CaliperLogFiles\SS 36 & 34.csv' is displayed.
- Image Capture:** A large yellow trapezoid with '3/4' inside is shown on the right, with the instruction 'PRESS IMAGE TO CAPTURE MEASUREMENT' above it.

Red arrows point from the labels to these specific interface elements.

Current Position

Current Position + Offset

Current Profile Designation

Toggle between inches & millimeters

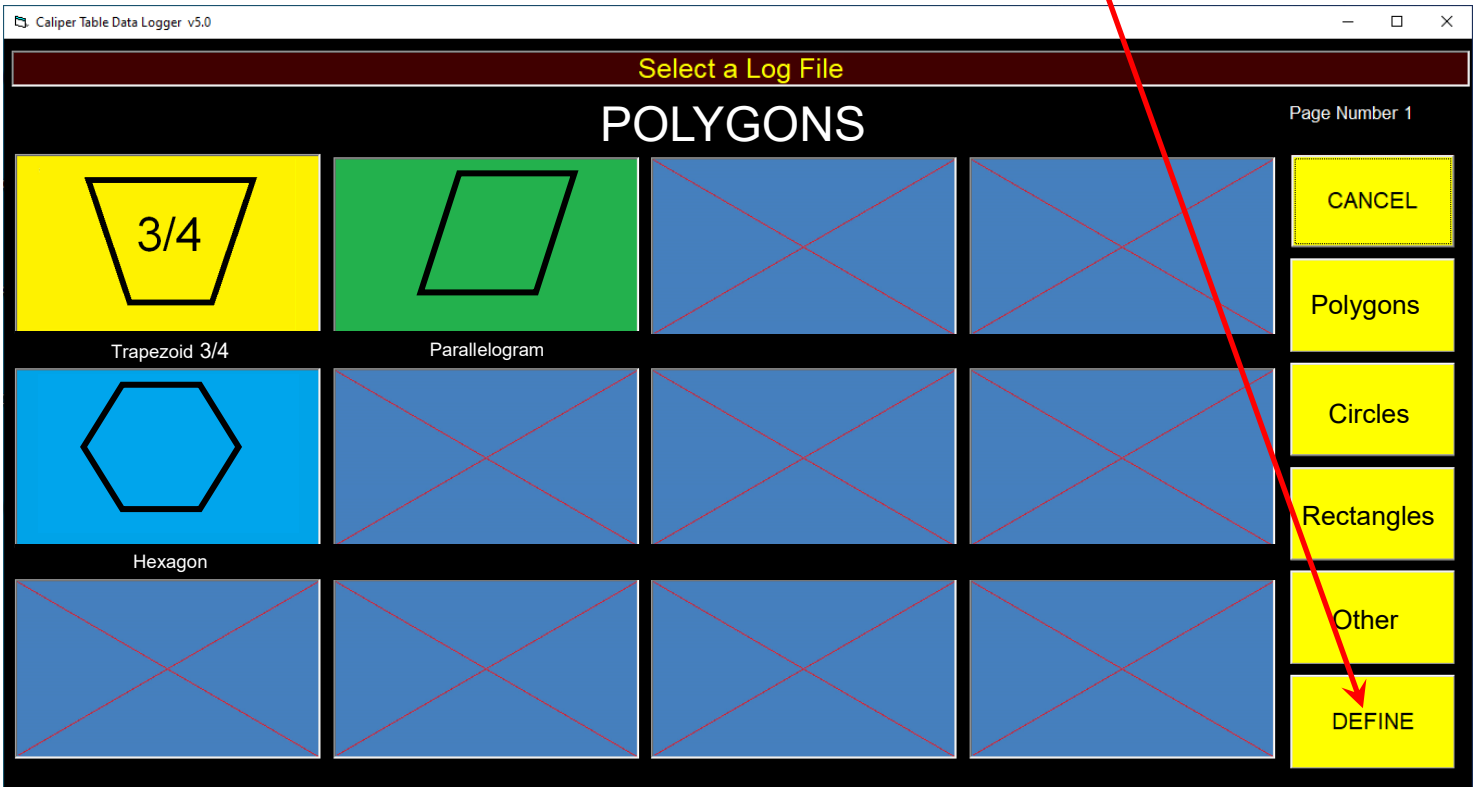


Current Capture File Path

Captured Measurements

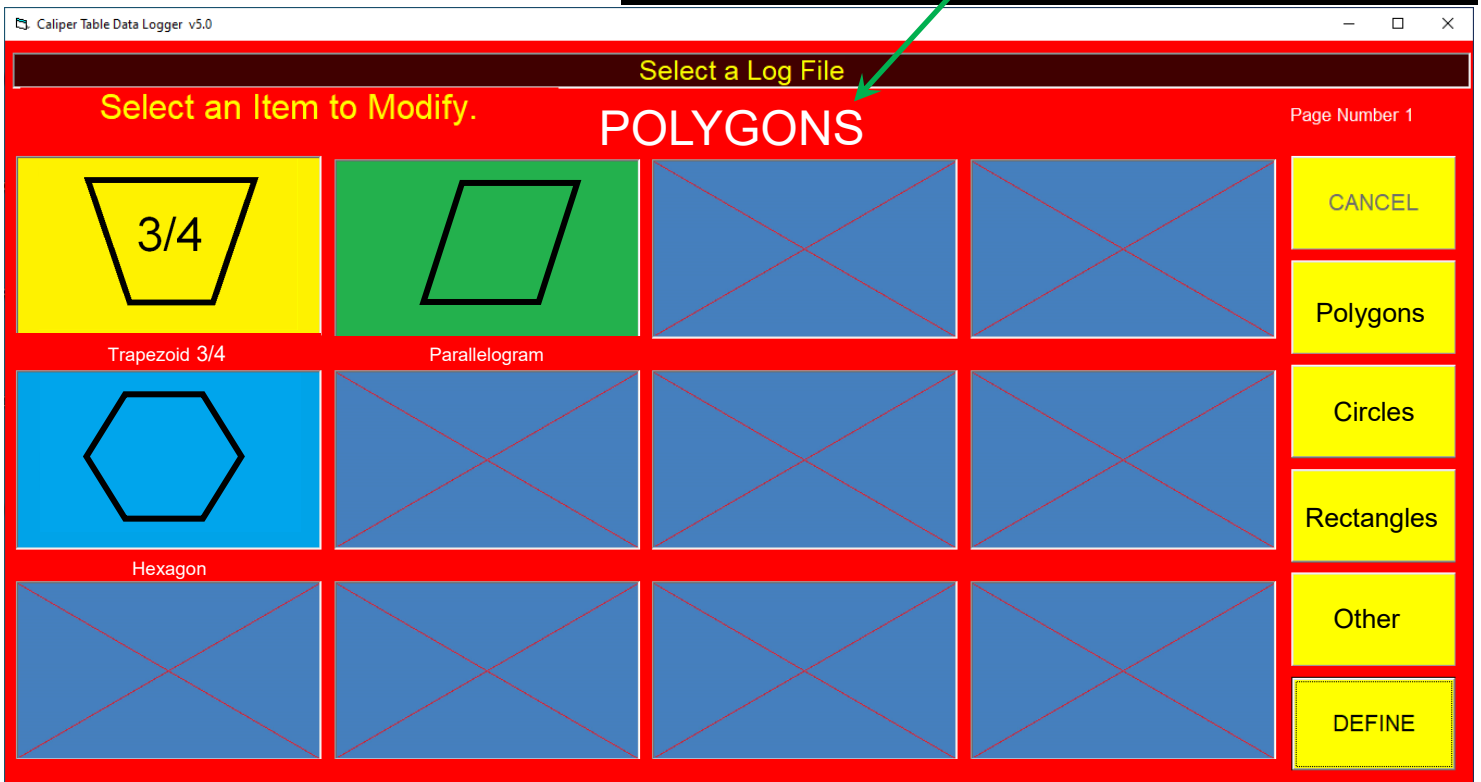
Press Image to Capture Current Position in Capture File

In the SELECT A LOG FILE screen you may define pages with up to 12 log files per page. When you make a selection on this page measurements captured will be saved in the log file designated by the selection. The buttons shown below are used to select the log file you want to use. To define a new log file click DEFINE.



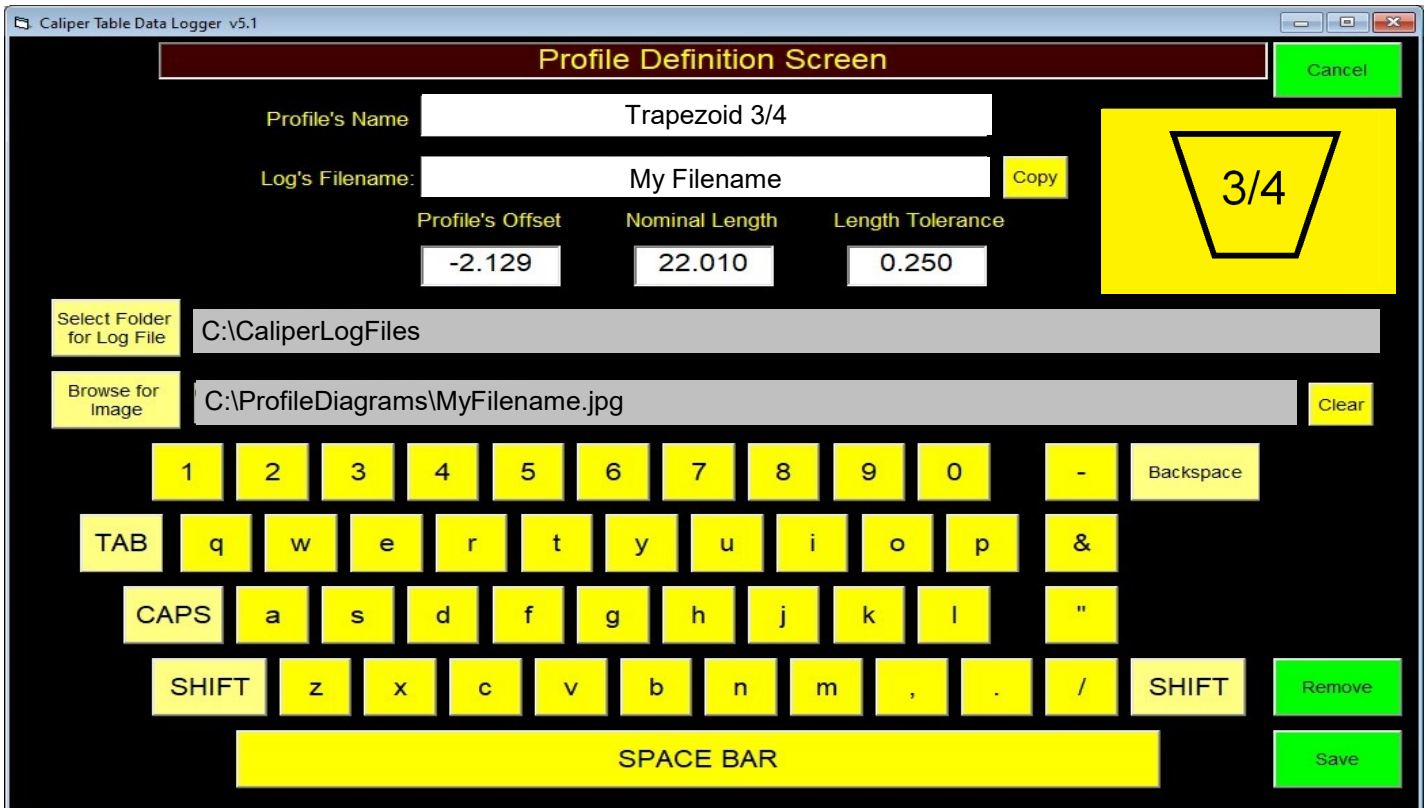
When you click the DEFINE button the background of the screen turns red. Next click the button you want to define. The definition screen will then appear.

The page name can be changed by clicking on it.

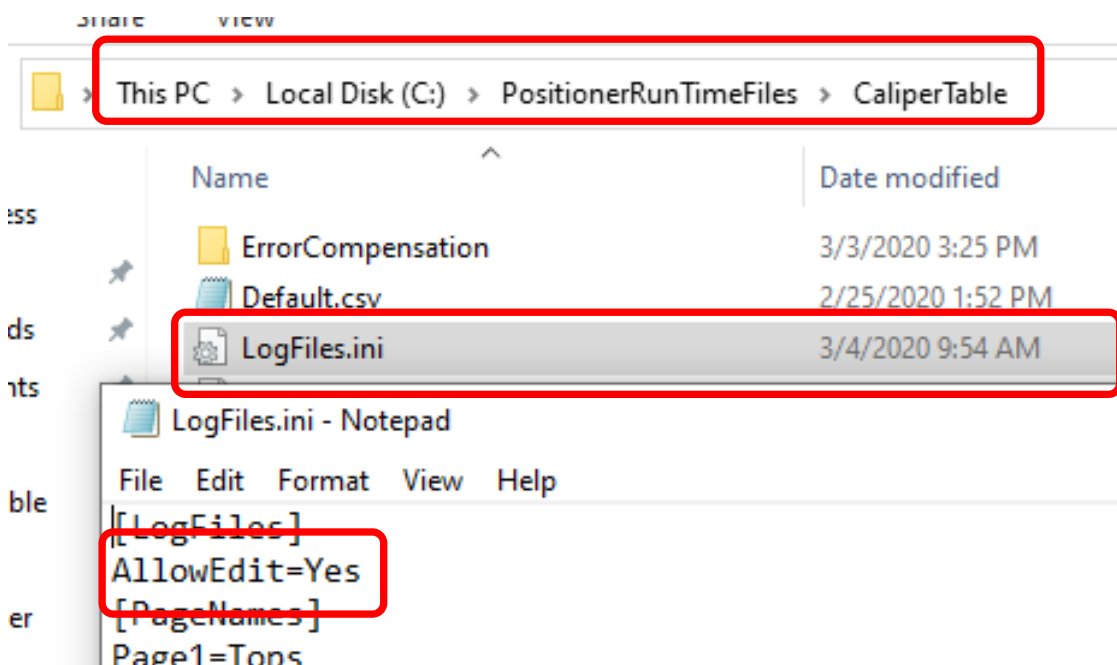


In the definition screen you can assign a name for the capture file that is meaningful to the operator in the Profile's Name box. In the Log's Filename box you enter the name of the actual file in which captured measurements will be stored. Click the button labeled 'Select Folder for Log File' to browse for the folder in which measurement capture file for this profile will be stored. Click the 'Browse for Image' button to browse for the image that will be displayed for this capture file. Profile's Offset, Nominal Length and Tolerance may be left blank.

When you're satisfied with your definition click SAVE.



To prevent editing of existing capture files and creation of new capture files, close the Caliper software and use Windows File Explorer to navigate to the file shown below. Change AllowEdit=Yes to AllowEdit=No



The scale factor defines the number of encoder counts per inch of travel. If the Caliper is gets less accurate the further away from zero it gets then the scale factor needs to be adjusted.

Universal Encoder Diagnostics/Setup

Caliper Reading + Profile's Offset: 22.014

Scale Factor: Current: 2540.50
Change to:

Zero the Encoder

Raw Receive:

```
<C4 0000.000>
<C3 0024.143>
<S303E062>
<C4 0000.000>
<C3 0024.143>
```

Import Error Compensation File

OK Cancel Apply

Use this button to import an Error Compensation file. This will add or subtract from the reading starting at certain distances. For example if the error compensation file looked like this:

```
error comp.txt - Notepad
File Edit Format View Help
63.5, .003
118,-.002|
```

The measurements would be unaffected up until 63.5. From there to 118 all measurements would be increased by .003. Then from 118 on out all measurements would be decreased by .002. You can put as many error compensation points in the file as you wish.