

ROTAX POWER VALVE MEASURING TOOL

Operation

1. Undo hand screws, position Mitutoyo vernier gauge into slot located on the Main Body and tighten hand screws.
2. Position the black calibration block into the gauge, as shown in figure 1, making sure the calibration block is touching the curved area closest to the vernier gauge.
3. Open the vernier gauge till the slide end of the vernier touches the calibration block. Zero the vernier caliper.
4. Remove the calibration block.
5. For valve blade only measuring, replace the calibration block with a valve blade, use 'Location Piece 2', lower to lock blade in, tighten thumb screws.
6. Slide caliper up to valve face, take measurement.
7. For valve measurement in the power valve assembly, slide the valve into place, using the chrome pegs to align square.
8. Use 'Location Piece 1', with the recess facing towards the plastic valve face. Tighten thumb screws to fix valve assembly in place.
9. Take measurement by sliding caliper into place.

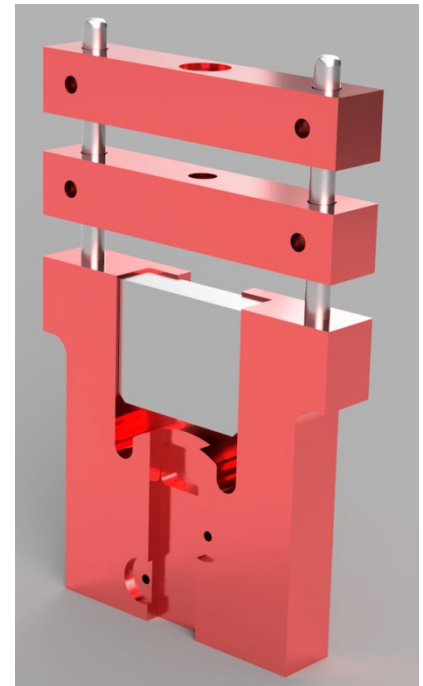
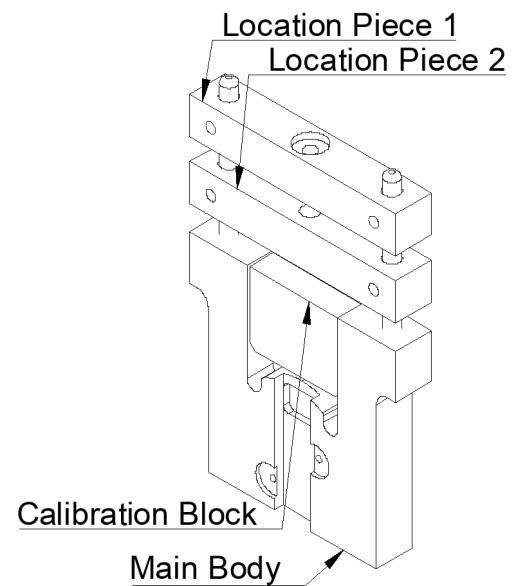


Figure 1



Tolerances

- Valve tool tolerances are extremely close.
- To see if a valve blade is authentic, the profile of the radius edge should follow the valve blade perfectly.
- The measuring tool has been designed around a Mitutoyo vernier gauge, to fit said gauge into place, make sure the measuring tool main body is warm/hot to touch. Place the very end of the gauge in first, then working along to place the whole gauge in, this is a very snug fit.

