



Live Anvil Specifications

Repeatability - 1.15 μin (0.03 μ)

Uncertainty - 1.5 μin (0.04 μ)

Sensor Travel - 200 μin (5 μ) above anvil surface

Contact Force – less than 0.5 ounce (14 grams)

Anvil Size - 1.5W X 2.0L X 1.5H (38.1 mm X 50.8 mm X 38.1 mm)

Description:

The flat anvil has a compliant sensor with a spherical ruby contact that protrudes slightly above the surface of the anvil. The sensor deflection reading is combined with the laser interferometer reading and the distance between the upper and lower contacts is displayed on the readout. The combined measurement has an uncertainty of 2.5 μin (0.063 μ) plus 0.5 ppm.

Benefits:

- Point contact ensures good repeatability.
- Eliminates the need to wring blocks to the flat anvil.
- Measures multiple locations on square and rectangular gage blocks.
- Templates aid square and rectangular gage block positioning.
- Low contact force minimizes wear and contact penetration.