



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

GLASTONBURY SOUTHERN GAGE CT
 87 Upton Road
 Colchester, CT 06415
 David Harris Phone: 800 251 4243

CALIBRATION

Valid To: April 30, 2018

Certificate Number: 1553.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following calibrations¹:

I. Dimensional

Parameter/Equipment	Range	CMC ^{2,3} (±)	Comments
Plain Rings – Minor Diameter	(0.040 to 4.0) in (4.0 to 22.5) in	(7.2 + 1.2L) µin (4.9 + 2.2L) µin	FED 136B-3 with gage blocks
Plain Plugs and Discs – Major Diameter	(0.010 to 4.0) in (4.0 to 10.0) in	(6.3 + 1.7L) µin (3.6 + 2.6L) µin	Heidenhain
	(10.0 to 27.0) in	(6.6 + 2.5L) µin	Sigmatic
	(0.010 to 4.0) in (4.0 to 21.0) in	(7.2 + 1.5L) µin (3.2 + 2.5L) µin	Federal 136 B-3 with gage blocks
Length – Between Two Planes	(0.010 to 10.0) in (10.0 to 28.0) in	(27 + 1.3L) µin (19 + 2.1L) µin	Federal gage head amp. with gage blocks
Surface Flatness	Up to 6.0 in	7.0 µin	Optical flats and monochromatic light

¹ This laboratory offers commercial calibration service.

² Calibration and Measurement Capability Uncertainty (CMC) is the smallest uncertainty of measurement that a laboratory can achieve within its scope of accreditation when performing more or less routine calibrations of nearly ideal measurement standards or nearly ideal measuring equipment. CMCs represent expanded uncertainties expressed at approximately the 95 % level of confidence, usually using a coverage factor of $k = 2$. The actual measurement uncertainty of a specific calibration performed by the laboratory may be greater than the CMC due to the behavior of the customer's device and to influences from the circumstances of the specific calibration.

³ In the statement of CMC, L is the numerical value of the nominal length of the device measured in inches.



Accredited Laboratory

A2LA has accredited

GLASTONBURY SOUTHERN GAGE CT

Colchester, CT

for technical competence in the field of

Calibration

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General requirements for the competence of testing and calibration laboratories*. This laboratory also meets any additional program requirements in the field of calibration. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009).

Presented this 27th day of April 2016.



A handwritten signature in blue ink, reading "Jim C. Bunt".

Senior Director of Quality and Communications
For the Accreditation Council
Certificate Number 1553.01
Valid to April 30, 2018

For the calibrations to which this accreditation applies, please refer to the laboratory's Calibration Scope of Accreditation.