THE AMERICAN ASSOCIATION FOR LABORATORY ACCREDITATION

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* and 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 18 June 2005*).

Presented this 28th day of October 2008.

President
For the Accreditation Council
Certificate Number 1553.01
Valid to April 30, 2010

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

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, 2010 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 calibrations[1]:

I. Dimensional

Parameter/Equipment	Range	Best Uncertainty[2, 3] (±)	Comments
Plain Rings – Minor Diameter	(0.040 to 4.0) in (4.0 to 22.5) in	(7.2 + 1.2*L*) µin (4.9 + 2.2*L*) 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 (10.0 to 27.0) in (0.010 to 4.0) in (4.0 to 21.0) in	(6.3 + 1.7*L*) µin (3.6 + 2.6*L*) µin (6.6 + 2.5*L*) µin (7.2 + 1.5*L*) µin (3.2 + 2.5*L*) µin	Heidenhain Sigmatic Federal 136 B-3 with gage blocks
Length – Between Two Planes	(0.010 to 10.0) in (10.0 to 28.0) in	(27 + 1.3*L*) µin (19 + 2.1*L*) µin	Federal gage head amp. with gage blocks
Surface Flatness	(0 to 6.0) in	7 µin	Optical flats and monochromatic light

[1] This laboratory offers commercial calibration service.

[2] "Best Uncertainty" 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 of nearly ideal measuring equipment. Best uncertainties represent expanded uncertainties expressed at approximately the 95 % level of confidence, usually using a coverage factor of $k = 2$. The best uncertainty of a specific calibration performed by the laboratory may be greater than the best uncertainty due to the behavior of the customer's device and to influences from the circumstances of the specific calibration.

[3] In the statement of best uncertainty, L is the numerical value of the nominal length of the device measured in inches.