



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

LANDAU GAGE, INC.
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CALIBRATION

Valid To: May 31, 2020

Certificate Number: 3584.01

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
Cylindrical Rings, Disks, Plugs, Pins – Inside Diameter	Up to 300 mm	(0.30 + 0.011L) μm	Pratt & Whitney Labmaster™, master rings & step gage assembly standard
Outside Diameter	Up to 320 mm	(0.31 + 0.011L) μm	Pratt & Whitney Labmaster™ & gauge blocks
Gage Blocks – Length	Up to 100 mm	(0.27 + 0.010L) μm	Pratt & Whitney Labmaster™ & gauge blocks
Length Standards – Length	Up to 320 mm	(0.27 + 0.011L) μm	Pratt & Whitney Labmaster™ & step gage assembly

Parameter/Equipment	Range	CMC ^{2,3} (±)	Comments
Step Gages, Step Disks, Step Blocks, Bar Masters	Up to 600 mm Up to 24 in	(5.7 + 0.006L) μm (0.61 + 9L) μin	Height masters & surface plate
Spheres, Precision Balls – Diameter	Up to 50 mm	(0.30 + 0.008D) μm	Pratt & Whitney Labmaster™ & gauge blocks
Threaded Plug Gages – Major Diameter	Up to 50 mm	(0.31 + 0.008D) μm	P&W Labmaster™ & gauge blocks
Simple Pitch Diameter	Up to 50 mm	(2.1 + 0.003D) μm	3 wire method using P&W Labmaster™, gauge blocks & master wires

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 millimeters for metric reference equipment or in "inch" for imperial reference equipment; D is the numerical value of the nominal diameter of the device measured in millimeters.



Accredited Laboratory

A2LA has accredited

LANDAU GAGE INC.

Windsor, Ontario, CANADA

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 *R205 - Specific Requirements: Calibration Laboratory Accreditation Program*. 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 April 2017).



Presented this 2nd day of May 2018.

A handwritten signature in black ink, written over a horizontal line.

President and CEO
For the Accreditation Council
Certificate Number 3584.01
Valid to May 31, 2020

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