



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

DURHAM PATTERN & MODEL LTD.
 22 Caristrap Street
 Bowmanville, Ontario L1C 3Y7, Canada
 Brad McIlroy Phone: 905 623 8700

CALIBRATION

Valid To: September 30, 2026

Certificate Number: 2630.01

In recognition of the successful completion of the A2LA evaluation process (including an assessment of the organization's compliance with A2LA's Calibration Program Requirements), accreditation is granted to this laboratory to perform the following calibrations^{1, 5}:

I. Dimensional Testing/Calibration³

Parameter/Equipment	Range	CMC ^{2, 4} (±)	Comments
Dimensional Measurement (3D) – Fixture and Attribute Gauges (3D) Materials: Steel Aluminum Grey Fixture Plank Brown Fixture Plank	(X, Y, Z) Up To: (1205, 2005, 1005) mm	(6.2 + 19L) µm (6.2 + 37L) µm (6.2 + 41L) µm (6.2 + 45L) µm	CMM used as measuring/ test equipment: Mitutoyo Bright-A1220
Materials: Steel Aluminum Grey Fixture Plank Brown Fixture Plank	(900, 1600, 600) mm	(5.8 + 18L) µm (5.8 + 36L) µm (5.8 + 40L) µm (5.8 + 44L) µm	Mitutoyo Bright-A916
Dimensional Measurement (1D) – Attribute Pins and Gauges	Up to 76.2 mm Up to 152.4 mm	4.1 µm 19 µm	Micrometers used as measuring/test equipment Calipers used as measuring/testing equipment

Parameter/Equipment	Range	CMC ^{2, 4} (±)	Comments
Dimensional Measurement (3D) – Fixtures and Attribute Gauges (3D) Materials: Steel Aluminum Grey Fixture Plank Brown Fixture Plank	(X, Y, Z) up to: (500, 400, 400) mm	 (4.4 + 14L) μm (4.4 + 30L) μm (4.4 + 34L) μm (4.4 + 39L) μm	CMM used as measuring/ test equipment: Mitutoyo CRTA-544

¹ This laboratory offers commercial dimensional testing/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 This laboratory meets R205 – *Specific Requirements: Calibration Laboratory Accreditation Program* for the types of dimensional tests listed above and is considered equivalent to that of a calibration.

⁴ In the statement of CMC, L is the numerical value of the nominal length of the measuring device in unit of meter.

⁵ This scope meets A2LA's *P112 Flexible Scope Policy*.



Accredited Laboratory

A2LA has accredited

DURHAM PATTERN & MODEL LTD.

Bowmanville, Ontario, CANADA

for technical competence in the field of

Calibration

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *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 17th day of September 2024.

A blue ink signature of the Vice President of Accreditation Services.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 2630.01
Valid to September 30, 2026

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