



CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

Intra Corporation
885 Manufacturer's Drive
Westland, MI 48186-4036

Fulfills the requirements of

ISO/IEC 17025:2017

In the field of

CALIBRATION

This certificate is valid only when accompanied by a current scope of accreditation document.
The current scope of accreditation can be verified at www.anab.org.

A handwritten signature in black ink, appearing to be 'Jason Stine', is positioned above a horizontal line.

Jason Stine, Vice President

Expiry Date: 06 May 2026

Certificate Number: L2310



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.
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).

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

Intra Corporation
885 Manufacturer's Drive
Westland, MI 48186-4036
Keith Mandeville
734-326-7030

CALIBRATION

Valid to: **May 6, 2026**

Certificate Number: **L2310**

Length – Dimensional Metrology

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-) ²	Reference Standard, Method, and/or Equipment
Inside Diameter - Plain Rings	(1.5 to 30) mm	0.71 μm	Mahr 828 & Reference Rings or Gage Blocks
	(30 to 200) mm	(0.66 + 0.000 8L) μm	
	(200 to 450) mm	(1.3 + 0.000 59L) μm	
Over Roll Dimension – Flush Pin Gage	(0 to 152) mm	5.8 μm	Roll-Chek RC, Pins and Gage Blocks
Involute Curve, Total Deviation – Reference Artifact, Gear, or Spline	Base Diameter: (5 to 650) mm	3 μm	Gear Analyzer
Helix, Total Deviation – Reference Artifact, Gear, or Spline	Helix Angle: 0° to 42° Test Diameter: (5 to 650) mm	3.5 μm	Gear Analyzer
Eccentricity/ Concentricity	Test Diameter: Up to 650 mm	0.62 μm	Gear Analyzer
Pitchline Runout – Reference Artifact, Gear, or Spline	Test Diameter: Up to 650 mm	2.6 μm	Gear Analyzer
Single Pitch – Reference Artifact, Gear, or Spline	Test Diameter: Up to 650 mm	2 μm	Gear Analyzer
Cumulative Pitch – Reference Artifact, Gear, or Spline	Test Diameter: Up to 650 mm	2.2 μm	Gear Analyzer

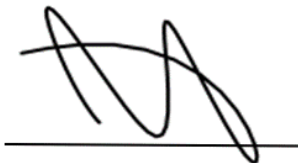
Length – Dimensional Metrology

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-) ²	Reference Standard, Method, and/or Equipment
Dimension over Pins- Reference Artifact, Gear, or Spline	Test Diameter Up to 650 mm	10 μm	Gear Analyzer Pins: Customer Specified Diameter
Diameter- Reference Artifact, Gear, or Spline	Test Diameter Up to 650 mm	6.6 μm	Gear Analyzer
Length Measurement - Plain Cylinders, Pin Gages and Part Dimensions	(0 to 500) mm	(0.45 + 0.029L) μm	Mahr 828 & Gage Blocks
	(0 to 356) mm	(3.5 + 0.004 1L) μm	Heidenhain Height Gage System and Gage Blocks
	(0 to 305) mm	5 μm	Height Master and Indicator
	(0 to 305) mm	13 μm	Microkator and Gage Blocks
	(0 to 60) mm	0.61 μm	Heidenhain Height Gage
	(0 to 25) mm (25 to 50) mm	5 μm 6.1 μm	Micrometer
Fixtures, Gages and Masters	X = (0 to 1 200) mm Y = (0 to 1 800) mm Z = (0 to 1 000) mm	(2.5 + 0.004 1L) μm	Coordinate Measuring Machine utilized as a Reference Standard for Dimensional Inspection. Material for CMC = Steel

Calibration and Measurement Capability (CMC) is expressed in terms of the measurement parameter, measurement range, expanded uncertainty of measurement and reference standard, method, and/or equipment. The expanded uncertainty of measurement is expressed as the standard uncertainty of the measurement multiplied by a coverage factor of 2 ($k=2$), corresponding to a confidence level of approximately 95%.

Notes:

1. On-site calibration service is available for this parameter, since on-site conditions are typically more variable than those in the laboratory, larger measurement uncertainties are expected on-site than what is reported on the accredited scope.
2. L = Length in millimeters.
3. This scope is formatted as part of a single document including Certificate of Accreditation No. L2310.



Jason Stine, Vice President