



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

THE JOHNSON GAGE COMPANY
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Bloomfield, CT 06002
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CALIBRATION

Valid To: July 31, 2028

Certificate Number: 7363.01

In recognition of the successful completion of the A2LA evaluation process (including an assessment of the organization's compliance with R205 – A2LA's Calibration Program Requirements), accreditation is granted to this laboratory to perform the following calibrations^{1,3}:

I. Dimensional

Parameter/Equipment	Range	CMC ² (±)	Comments
Indicators – Analog, Digital & Test	(0.01 to .50) in	84 µin	Indicating checking gage
Plain Ring Gages – Internal Diameter	(0.050 to 4) in (>4 to 12) in	180 µin 220 µin	Class Y & Z, bore gage, indicating gage, gage blocks
Plain Plug Gages – External Diameter	(0.05 to 1.0) in (>1 to 4.0) in (>4 to 8.0) in	65 µin 72 µin 100 µin	Class Y & Z, P&W Supermicrometer™, gage blocks
Straight Threaded Ring Gages – Functional Pitch Diameter (4 to 80 T.P.I. & 0.3 to 8.0 mm Pitch) Simple Pitch Diameter (4 to 80 T.P.I. & 0.3 to 8.0 mm Pitch) Minor Diameter	(0.060 to 4.0) in (>4 to 12.0) in (0.164 to 3) in (>3 to 12) in (0.060 to 3) in (>3 to 12) in	290 µin 800 µin 95 µin 180 µin 200 µin 720 µin	Master thread set plug (plug transfer method w/ set plug uncertainty reported) Indicating gage, gage blocks, thread wires Cylindrical pin gages, indicating gage, gage blocks

Parameter/Equipment	Range	CMC ² (±)	Comments
Straight Threaded Plug Gages –			
Major Diameter	(0.050 to 1) in (>1 to 4) in (>4 to 8) in	69 µin 80 µin 660 µin	P&W Supermicrometer™, gage blocks
Pitch Diameter (4 to 80 T.P.I. & 0.3 to 8.0 mm Pitch)	(0.047 to 1) in (>1 to 4) in (>4 to 8) in	130 µin 130 µin 240 µin	P&W Supermicrometer™, gage blocks, thread wires
Thread Lead (Pitch)	(Up to 2) in	290 µin	Optical Comparator
Thread Flank Angle (4 to 80 T.P.I. & 0.3 to 8.0mm Pitch)	(0 to 180)°	1.3 arcmin	Optical Comparator
External & Internal Thread Gaging Roll Contacts –			
Major Diameter	(0.050 to 1) in	69 µin	P&W Supermicrometer™, gage blocks
Pitch Diameter (4 to 80 T.P.I. & 0.3 to 8.0mm Pitch)	(0.047 to 1) in	130 µin	P&W Supermicrometer™, gage blocks, thread wires
Roll Profile / flank contact (4 to 80 T.P.I. & 0.3 to 8.0mm Pitch)	(Up to .250) in	290 µin	Optical Comparator
Thread Lead (Pitch)	(Up to 2) in	290 µin	Optical Comparator
Thread Flank Angle (4 to 80 T.P.I. & 0.3 to 8.0mm Pitch)	(0 to 180)°	1.3 arcmin	Optical Comparator

Parameter/Equipment	Range	CMC ² ($\pm$)	Comments
External Thread Gaging Segment Contacts –			
Pitch Diameter / Minor Diameter Relationship	(0.060 to 3) in (>3 to 12) in	190 μ in 300 μ in	Master thread set plug, cylindrical plug, indicating gage
Thread Lead (Pitch)	(Up to 2) in	290 μ in	Optical comparator
Thread Flank Angle (4 to 80 T.P.I. & 0.3 to 8.0mm Pitch)	(0 to 180) $^{\circ}$	1.3 arcmin	Optical comparator, threaded lap
Internal Thread Gaging Segment Contacts –			
Major Diameter	(0.164 to 1) in (>1 to 4) in (>4 to 8) in	69 μ in 80 μ in 660 μ in	P&W Supermicrometer TM , gage blocks
Pitch Diameter (4 to 80 T.P.I. & 0.3 to 8.0mm Pitch)	(0.164 to 1) in (>1 to 4) in (>4 to 8) in	130 μ in 130 μ in 240 μ in	P&W Supermicrometer TM , gage blocks, thread wires
Segment Profile / flank contact (4 to 80 T.P.I. & 0.3 to 8.0mm Pitch)	(Up to .250) in	290 μ in	Optical Comparator
Thread Lead (Pitch)	(Up to 2) in	290 μ in	Optical Comparator
Thread Flank Angle (4 to 80 T.P.I. & 0.3 to 8.0mm Pitch)	(0 to 180) $^{\circ}$	1.3 arcmin	Optical Comparator

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 This scope meets A2LA's *PI12 Flexible Scope Policy*.



Accredited Laboratory

A2LA has accredited

THE JOHNSON GAGE COMPANY

Bloomfield, CT

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 21st day of August 2026.

A blue ink signature of Trace McInturff.

Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 7363.01
Valid to July 31, 2028

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