



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017
& ANSI/NCSL Z540.3-2006

WRENTHAM TOOL GROUP, LLC
155 Farm Street
Bellingham, MA 02019
Stephen E. Doldo Phone: 508 966 2332

CALIBRATION

Valid To: April 30, 2027

Certificate Number: 4180.01

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/Fastener Industry Specific Gages

Parameter/Equipment	Range	CMC ² (±)	Comments
Hexlobe Geometry – Circumscribed Ø	Up to 1 in	54 µin	P&W Supermicrometer™
Inscribed Ø	Up to 1 in	48 µin	Height comparator
Oly Drive: Circumscribed Ø	Up to 1 in	54 µin	P&W Supermicrometer™
Inscribed Ø	Up to 1 in	48 µin	Height comparator
Hexagon Geometry – Across Corners	Up to 1 in	54 µin	P&W Supermicrometer™
Across Flats	Up to 1 in	54 µin	P&W Supermicrometer™

Parameter/Equipment	Range	CMC ² (±)	Comments	
Penetration Points, Master Plugs & GO NOGO Plug Gages	Type 1, Type 1A Phillips, PoziDriv®, Phillips II®, PSD®, Type 3 Square Drive Quadrex®	150 µin 3.2' 88 µin	Nikon microscope Starrett video comparator Starrett video comparator	
	Mortorq®	150 µin	Nikon microscope	
	Off set cruciform, Torq-Set®, Tri-Wing®, BNAE, Hi-Torq, Spline-Lok, Hi-Lok, 12 Point	54 µin	P&W Supermicrometer™	
		3.2'	Starrett video comparator	
		150 µin	Nikon microscope	
	Fastener Recess External GO NOGO Gages	12 Point, Mortorq®, Hexlobe®	150 µin 54 µin	Nikon microscope, P&W Supermicrometer™
Driver Bit Gages	Type1, Type 1A, Phillips®, PoziDriv®, Type 3 Square	240 µin	Indicator with master plugs	
		54 µin	P&W Supermicrometer™	
		150 µin	Nikon microscope	
Driver Bit Test Blocks	Type1, Type 1A, Phillips®, PoziDriv®, Type 3 Square, Hexstix®, Flat Tip, PSD	150 µin	Nikon microscope	
Indicators	(0 to 1) in	54 µin	P&W Supermicrometer™ with stage fixture	
Thread Plugs X & W	Major Diameter Pitch Diameter	0.060 in 1.0 in	54 µin 43 µin	P&W Supermicrometer™, thread wires
Cylindrical Pins & Plugs	Up to 1 in	38 µin	P&W Supermicrometer™	

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 P112 Flexible Scope Policy.



Accredited Laboratory

A2LA has accredited

WRENTHAM TOOL GROUP, LLC

Bellingham, MA

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 the requirements of ANSI/NCCL Z540.3-2006 and 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 April 2025.

A blue ink signature of Mr. Trace McInturff, written in a cursive style.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 4180.01
Valid to April 30, 2027

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