



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

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CALIBRATION

Valid To: April 30, 2023

Certificate Number: 4180.01

In recognition of the successful completion of the A2LA evaluation process, 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 Inscribed Ø	Up to 1 in Up to 1 in	41 µin 48 µin	P&W Supermicrometer™ Height comparator
Hexagon Geometry – Across Corners Across Flats	Up to 1 in Up to 1 in	41 µin 41 µin	P&W Supermicrometer™ P&W Supermicrometer™
Penetration Points, Master Plugs and GO NOGO Plug Gages	Type 1, Type 1A Phillips, PoziDriv®, Phillips II®, PSD®, Type 3 Square Drive Quadrex®, Oly Drive	150 µin 3.2' 48 µin 82 µin	Nikon microscope Starrett video comparator Height comparator Starrett video comparator

Parameter/Equipment	Range	CMC ² (±)	Comments
Penetration Points, Master Plugs and GO NOGO Plug Gages	Mortorq®	150 µin	Nikon microscope
Penetration Points, Master Plugs and GO NOGO Plug Gages	Off set cruciform, Torq-Set®, Tri-Wing®, BNAE, Hi-Torq, Spline-Lok, Hi-Lok, 12 Point	41 µin 3.2' 150 µin	P&W Supermicrometer™ Starrett video comparator Nikon microscope
Fastener Recess External GO NOGO Gages	12 Point, Mortorq®, Hexlobe®	150 µin 41 µin	Nikon microscope, P&W Supermicrometer™
Driver Bit Gages	Type1, Type 1A, Phillips®, Pozidriv®, Type 3 Square	240 µin 41 µin 150 µin	Indicator with master plugs P&W Supermicrometer™ Nikon microscope
Driver Bit Test Blocks	Type1, Type 1A, Phillips®, Pozidriv®, Type 3 Square, Hexstix®, Flat Tip, PSD	150 µin	Nikon microscope
Indicators	Up to 1 in	52 µin	P&W Supermicrometer™ with stage fixture

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.