SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

STANLEY ENGINEERED FASTENING
7345 N. 400 E.
Montpelier, IN 47359
Stephen Kem Phone: 765 303 1344

MECHANICAL

Valid To: March 31, 2021 Certificate Number: 0208.02

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following fastener tests:

Test	Test Methods
Discontinuities	ASTM F812/F812M
Hardness (Rockwell B, C)	ASTM E18
Microstructure Analysis	WI-153
Nut Proof Load	ASTM F606/F606M; SAE J995
Sampling	WI-053
Torque Tension (Skidmore Wilhelm & RS Technologies, Inc. Equipment)	IFI 100/107, 101; Chrysler PS-809, PS-6239; GM9084P, GM9092P; ANSI/ASME B18.16

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I. Dimensional Testing[1]

Parameter / Equipment	Range	CMC[2] (±)	Comments
Internal Threads[3]	M4 to M27 #4 to 1½ in	0.0014 in	Go/No-go Gages / ASME B1.1, B1.2, B1.3M, B1.16M; FED-STD-H28/20; MIL-S-7742
Length[3] - 1D	Up to 1 in	0.0008 in	Micrometers / MIL-STD-120 (Withdrawn[4] 1996)
	(1 to 6) in	0.0002 in	Calipers / MIL-STD-120 (Withdrawn[4] 1996)
- 2D	Up to 12 in	0.0007 in	Vision Inspection (X, Y Axis) / MIL-STD-120 (Withdrawn[4] 1996)
- 3D	Up to 16 in	0.0001 in	CMM (X, Y, Z Axis) / MIL-STD-120 (Withdrawn[4] 1996)

[1] This laboratory does not offer commercial dimensional testing 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. CMC's 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 test is not equivalent to that of a calibration.

[4] This laboratory's scope contains withdrawn or superseded methods. As a clarifier, this indicates that the applicable method itself has been withdrawn or is now considered "historical" and not that the laboratory's accreditation for the method has been withdrawn.

Accredited Laboratory

A2LA has accredited

STANLEY ENGINEERED FASTENING

Montpelier, IN

for technical competence in the field of

Mechanical Testing

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 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 23rd day of April 2019.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 0208.02
Valid to March 31, 2021

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