SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

SPECIALTY SCREW CORPORATION
2801 Huffman Boulevard
Rockford, IL 61103
Brian Kitsemble Phone: 815 969 4127

MECHANICAL

Valid To: November 30, 2023 Certificate Number: 0585.01

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

Test(s):	**Test Method(s)[1]:**
Case Depth (Total and Effective)	SAE J423
Coating Thickness	ASTM B499
Decarburization	SAE J121, J121M (Superseded 2013)[5]
Ductility	SAE J81 (Sec. 4.8)
Hardness (Rockwell: A, B, C, 15N, 30N)	ASTM E18
Macroscopic Examination	ASTM E340; SAE USCAR-8
Microhardness (Knoop, 500 gf)	ASTM E92, E384
Salt Spray (Fog)	ASTM B117
Stress Durability (Hydrogen Embrittlement)	ASTM F606/F606M; SAE J81 (Sec. 4.9)
Surface Roughness	ASME B46.1
Torsional Strength	SAE J81 (Sec. 4.5)
Discontinuities	ASTM F788

WITHDRAWN

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I. Dimensional Testing[2]

Parameter	Range	CMC[3] (±)	Technique/Method[1]
Angle[4]	0° to 360°	1°	Comparator / MIL-STD 120 (Canceled 1996)[5]
Linear[4]	 Up to 6 in Up to 1 in Up to 6 in	 0.001 in 0.00013 in 0.001 in	MIL-STD 120 (Canceled 1996)[5] Comparator Digital micrometer Digital caliper
Radii[4]	(0.005 to 1) in	0.006 in	Comparator / MIL-STD 120 (Canceled 1996)[5]
Recesses[4]	#1 to #4	0.0004 in	Penetration gage / MIL-STD 120 (Canceled 1996)[5]
Straightness[4]	Up to 0.030 in	0.0004 in	Concentricity and Straightness Gages / MIL-STD 120 (Canceled 1996)[5]
Threads[4]	 #4 to 5/8 in (0.100 to 0.700) in (0.100 to 0.700) in	 N/A 0.00013 in 0.00013 in	ASME B1.3M (System 21 and System 22) Ring Gages Tri-roll Pitch micrometer

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[1]When the date, edition, version, etc. is not identified in the scope of accreditation, laboratories may use the version that immediately precedes the current version for a period of one year from the date of publication of the standard measurement method, per part C., Section 1 of A2LA *R101 - General Requirements-Accreditation of ISO-IEC 17025 Laboratories.*

[2] This laboratory offers dimensional testing services only.

[3] 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. Calibration and Measurement Capabilities 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.

[4] This test is not equivalent to that of a calibration.

[5]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.

WITHDRAWN

Accredited Laboratory

A2LA has accredited

SPECIALTY SCREW CORPORATION

Rockford, IL

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*).

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Presented this 13th day of June 2022.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 585.01
Valid to November 30, 2023

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