SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

BRUNNER MANUFACTURING, INC.
405 Elroy St.
Elroy, WI 53929
Sue Tway Phone: 608 847-6667, ext 219

MECHANICAL

Valid To: September 30, 2026 Certificate Number:1036.01

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

Test:	**Test Method(s):**
Sampling	ANSI B18.18
Hardness (Rockwell HRBW, HRC, HR15N, HR30N)	ASTM E18, ASTM F606/F606M; ISO 898-1
Microhardness (Vickers HV 500 gf)	ASTM E384
Case Depth	SAE J423, Paragraphs 4.2 and 5.3
Decarburization	ASTM F2328; ISO 898-1
Tensile (Proof, Axial, Wedge Tensile)	ASTM F606/F606M, ASTM F568M (withdrawn 2012); ISO 898-1
Plating Thickness (X-Ray Fluorescence)	ISO 3497
Salt Spray	ASTM B117; ISO 9227
Torque Tension	ISO 16047

5202 Presidents Court, Suite 220 | Frederick, MD 21703-8398 | Phone: 301 644 3248 | Fax: 240 454 9449 | www.A2LA.org

I. Dimensional Testing[1]

Parameter/Equipment	Range	CMC[2] (±)	Technique/Method
Calipers[3]	Up to 8 in	1,000 µin	Gage blocks / MIL-STD-120 (Canceled 1996)
Micrometers[3]	Up to 2 in	1,000 µin	Gage blocks / MIL-STD-120 (Canceled 1996)
Height Stand[3]	Up to 18 in	2,300 µin	Gage blocks / MIL-STD-120 (Canceled 1996)

[1] This laboratory does not offer commercial dimensional testing services.

[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 measurements 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 measurement 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 measurement.

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

Accredited Laboratory

A2LA has accredited

BRUNNER MANUFACTURING, INC.

Elroy, WI

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 30th day of September 2024.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 1036.01
Valid to September 30, 2026
Revised on August 21, 2026

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