



# Accredited Laboratory

A2LA has accredited

## EXOTIC FASTENERS INC.

Roseville, MI

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 21<sup>st</sup> day of April 2026.

Mr. Trace McInturff, Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 925.01  
Valid to April 30, 2028

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



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

EXOTIC FASTENERS INC.  
15281 12 Mile Road  
Roseville, MI 48066  
Steve Lane Phone: 586 772 8180  
steve.lane@exoticfasteners.com

MECHANICAL

Valid To: April 30, 2028

Certificate Number: 0925.01

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

**Test:**

**Test Methods:**

Hardness

(Rockwell & Superficial B, C, 15N, 30N)

ASTM E18;  
Chrysler MS-4515;  
Ford ES21004-S100, ESS-M1A170B  
(withdrawn);  
ISO 6508-1, 898-1; SAE J417;  
WD 950, WD 952

Tensile (Axial & Wedge)

(6°, 10° & 45°)

ASTM F606/F606M;  
Chrysler MS-4515;  
FMVSS 209 (5.2, C.1);  
ISO 898-1, 6892-1; JIS B1051

Proof (Externally Threaded, Length Method)

ASTM F606/F606M;  
ISO 898-1 (8.5); JIS B1051 (8.5)

Discontinuities

ASTM F788;  
ISO 6157-1; SAE J123

Stress Durability

(Hydrogen Embrittlement)

Ford ES21003-S100;  
SAE J1237; SAE USCAR-7

Torsional Strength

ASTM F738M (withdrawn 2015); Ford WD 950

Ductility

Ford ES21003-S100,  
ES21004-S100; SAE J1237

Drive Torque

Ford ES21004-S100;  
SAE J1237

I. Dimensional Testing<sup>1</sup>

Parameter	Range	CMC <sup>2</sup> (±)	Technique / Method
Thread Pitch Diameter <sup>3</sup>	M5 to M14 ( <sup>1</sup> / <sub>4</sub> to <sup>9</sup> / <sub>16</sub> ) in	N/A	Pitch Micrometer / ASME B1.3M, B18.6.4; ISO 1502
Functional Thread Diameter <sup>3</sup>	M5 to M14 ( <sup>1</sup> / <sub>4</sub> to <sup>9</sup> / <sub>16</sub> ) in	N/A	Go/ No Go/ ASME B1.3M, B18.6.4; ISO 1502
Length <sup>3</sup> (1D)	Up to 2 in	0.0005 in	Micrometer / MIL-STD-120 (withdrawn 1996)
	Up to 6 in	0.0005 in	Caliper / MIL-STD-120 (withdrawn 1996)
	Up to 1 in	0.0005 in	Tri-micrometer/ MIL-STD-120 (withdrawn 1996)
Angle <sup>3</sup>	0° to 360°	1°	Comparator / MIL-STD-120 (withdrawn 1996)
Radii <sup>3</sup>	Up to 1 in	0.001 in	Comparator / MIL-STD-120 (withdrawn 1996)
Recesses Depth <sup>3</sup>	Up to 0.3 in	0.0005 in	Penetration gage / ASME B18.6.4, B18.6.3
Head Height <sup>3</sup>	Up to 1 in	0.0005 in	Indicator / ASME B18.6.4, B18.6.3

<sup>1</sup> This laboratory does not offer commercial dimensional testing services.

<sup>2</sup> Calibration and Measurement Capability (CMC) is the smallest uncertainty of measurement that a laboratory can achieve within its scope of accreditation when performing routine measurements 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 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.

<sup>3</sup> This test is not equivalent to that of a calibration.

*Note: The laboratory is only accredited for the test methods listed above. The accredited test methods are used in determining compliance with the material specifications listed below. The inclusion of these material specifications on this Scope does not confer laboratory accreditation to the material specifications nor does it confer accreditation for the method(s) embedded within the specifications.*

<b><u>Test:</u></b>	<b><u>Material Specification(s):</u></b>
Hardness (Rockwell & Superficial B, C, 15N, 30N)	GM275M, 280M, 6171M, 6202M; SAE J429
Tensile (Wedge) (6° to 45°)	GM275M, 280M, 500M, 6171M; ISO 898-1, 6892; JIS B1051; SAE J429
Proof (Externally Threaded)	GM275M, 280M, 500M, 6202M; SAE J429 (6.4)
Discontinuities	GM275M, 280M, 500M, 6102M; PF5188; SAE J1199, ISO 6157-1, 6157-3
Stress Durability (Hydrogen Embrittlement)	GM6010M, 6202M, SAE USCAR-5
Torsional Strength	GM6010M, 6202M
Ductility	GM6010M, 6171M, 6202M, GMW15170
Drive Torque	GM6010M, 6171M, 6202M, GMW 15170, WD952010