



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

DECKER MANUFACTURING CORPORATION

703 North Clark Street

Albion, MI 49224-0360

Russell L. Wilson Phone: 517 629 3955

MECHANICAL

Valid To: July 31, 2020

Certificate Number: 0499.01

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

I. Mechanical Testing

<u>Test</u>	<u>Test Method(s)</u>
Sampling	ASME/ANSI B18.18
Superficial Hardness Rockwell 15N Scale	ASTM E18; NASM 1312-6; SAE J417
Rockwell 15TW Scale	ASTM E18
Hardness (Rockwell B and C)	ASTM E18, F606/F606M; NASM 1312-6; SAE J417, J1965, J995
Hardness (Vickers HV 10)	ASTM E92, E384; ISO 898-2
Proof Load (Internal Threads)	ASTM F606/F606M; NASM 1312-8; SAE J995, J1965; ISO 898-2
Prevailing Torque	IFI 100/107; Ford ES-21000-S100
Surface Discontinuities	ASTM F788/F788M, F812/F812M; SAE J122
Magnetic Field Strength (0 to 100) gauss	Cummins ESN 16114

## II. Dimensional Testing<sup>1</sup>

Parameter	Range	Technique / Method
Linear – 1D <sup>2</sup>	Up to 1 in (1 to 2) in Up to 6 in Up to 1.5 in	Micrometer Micrometer Caliper Digital indicator
Angle <sup>2</sup>	0° to 360°	Optical comparator
Radius <sup>2</sup>	Up to 2.3 in	Optical comparator
Recesses (Depth) <sup>2</sup>	Up to 1.5 in	Digital indicator
Straightness <sup>2</sup>	Up to 3.0 in Up to 1.5 in	Optical comparator Digital indicator
Thread Runout <sup>2</sup>	Up to 1.5 in	Optical comparator Digital indicator
Threads (Internal Threads) <sup>2</sup>	M5 to M22 (0.025 to 1.125) in  M6 to M16 (0.25 to 1) in	Plug gages (pin & thread) / attribute  Variables / digital indicator

<sup>1</sup> Commercial dimensional testing service is sometimes available for this laboratory.

<sup>2</sup> This test is not equivalent to that of a calibration.



## *Accredited Laboratory*

A2LA has accredited

# DECKER MANUFACTURING CORPORATION

*Albion, 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 1<sup>st</sup> day of October 2018.

A handwritten signature in black ink, written over a horizontal line.

President and CEO  
For the Accreditation Council  
Certificate Number 0499.01  
Valid to July 31, 2020

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