



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

DECKER MANUFACTURING CORPORATION
 703 North Clark Street
 Albion, MI 49224-0360
 Russell L. Wilson Phone: 517 629 3955

MECHANICAL

Valid To: July 31, 2018

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 B18.18.2M
Superficial Hardness Rockwell 15N Scale Rockwell 15TW Scale	ASTM E18; NASM 1312-6; SAE J417 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, 898-6
Prevailing Torque	ASME/ANSI B18.16.1M; 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 Testing¹

Parameter	Range	Technique / Method
Linear – 1D ²	Up to 1 in (1 to 2) in Up to 6 in Up to 1.5 in	Micrometer Micrometer Caliper Digital indicator
Angle ²	0° to 360°	Optical comparator
Radius ²	Up to 2.3 in	Optical comparator
Recesses (Depth) ²	Up to 1.5 in	Digital indicator
Straightness ²	Up to 3.0 in Up to 1.5 in	Optical comparator Digital indicator
Thread Runout ²	Up to 1.5 in	Optical comparator Digital indicator
Threads (Internal Threads) ²	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

¹ Commercial dimensional testing service is sometimes available for this laboratory.

² This test is not equivalent to that of a calibration.

Am. C. Bent



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 17025:2005 *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 8 January 2009).



Presented this 24th day of August 2016.

A handwritten signature in blue ink, reading "Jim C. Bunt".

Senior Director of Quality and Communications
For the Accreditation Council
Certificate Number 0499.01
Valid to July 31, 2018

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