



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

COMMERCIAL STEEL TREATING CORPORATION

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MECHANICAL

Valid To: March 31, 2020

Certificate Number: 0915.01

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

<u>Test</u>	<u>Test Method(s)</u>
Hardness	
Rockwell (A, B, C, 15N, 30N)	ASTM E18
Fastener (Internal and External Threads)	ASTM F606, F606M (Sections 3.1, 4.1, 5.2, and 6.1)
Microhardness (Knoop and Vickers)	ASTM E384
Tensile - Axial and Wedge	ASTM F606, F606M (Sections 3.4 and 3.5);
(Up to 200 Kip for Externally Threaded Fasteners)	ISO-898-1 (Section 9)
Metallographic Evaluation	
Preparation	ASTM E3
Carburization / Decarburization	ASTM F2328;
	ISO 898-1 (Sections 9.10 and 9.11);
	SAE J121 ¹ , J121M, J419, J423
Case Depth	SAE J423

¹ This laboratory's scope contains withdrawn or superseded methods. As a clarifier, this indicates that the applicable method itself has been withdrawn or is now considered "historical" and not that the laboratory's accreditation for the method has been withdrawn.



Accredited Laboratory

A2LA has accredited

COMMERCIAL STEEL TREATING CORPORATION

Madison Heights, 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 April 2017).



Presented this 1st day of May 2018.

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

President and CEO
For the Accreditation Council
Certificate Number 0915.01
Valid to March 31, 2020

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