



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

COMMERCIAL STEEL TREATING CORPORATION

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MECHANICAL

Valid To: March 31, 2014

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)¹</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)
File Hard	SAE J864
Microhardness (Knoop and Vickers)	ASTM E384
Tensile - Axial and Wedge (to 200 Kip for Externally Threaded Fasteners)	ASTM F606, F606M (Sections 3.4 and 3.5); ISO-898-1 (Section 9)
Metallographic Evaluation	
Preparation	ASTM E3; SAE J423
Carburization / Decarburization	GM 6104M; ISO 898-1 (Sections 9.10 and 9.11); SAE J121, J121M, J419, J423 (Section 6.3)
Case Depth	SAE J423 (Section 6.3)

¹ When the date, revision or edition of a test method standard is not identified on the scope of accreditation, the laboratory is required to be using the current version within one year of the date of publication, per part C, Section 1 of A2LA *R101 - General Requirements- Accreditation of ISO-IEC 17025 Laboratories*. If a specifier/regulator imposes a different transition period, this will supersede the A2LA one year implementation period.



The American Association for Laboratory Accreditation

World Class Accreditation

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 8 January 2009*).

Presented this 27th day of February 2012.



A handwritten signature in black ink, appearing to read "Peter Almyer".

President & CEO
For the Accreditation Council
Certificate Number 0915.01
Valid to March 31, 2014

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