



The American Association for Laboratory Accreditation

World Class Accreditation

Accredited Laboratory

A2LA has accredited

ATF, INC.

Lincolnwood, IL

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 15th day of April, 2011.





President & CEO
For the Accreditation Council
Certificate Number 1101.01
Valid to February 28, 2013

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



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

ATF, INC.
3550 West Pratt Ave.
Lincolnwood, IL 60712
Doug Kresin Phone: 847 933 8598

MECHANICAL

Valid To: February 28, 2013

Certificate Number: 1101.01

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

<u>Test</u>	<u>Test Methods</u>
Hardness (Rockwell B, C, 15N)	ASTM A370, E18, F606, F606M; GM 6010M ¹ , 6171M ¹ ; JIS Z2245; SAE J417
Microhardness (Knoop)	ASTM E384
Tensile	ASTM F606, F606M; JIS B1051; GM 6170M ¹ , 6171M ¹
Discontinuities	ASTM F788/F788M, F812/F812M; GM 6102M ¹ , 6103M ¹ ; ISO 6157; SAE J122, J123, J1061
Stress Durability (Hydrogen Embrittlement)	GM 6010M ¹ , 6170M ¹ , 6171M ¹
Decarburization by Hardness	ASTM E1077; DIN/EN 20898-1; GM 6104M ¹ ; JIS B1051; SAE J121, J419
Torsional Strength	ASTM F738M; GM 6010M ¹ , 6170M ¹ , 6171M ¹
Ductility	GM 6010M ¹ , 6170M ¹ , 6171M ¹ ; SAE J81 ¹
Salt Spray	ASTM B117; GM 4298M ¹
Plating Thickness by Magnetic Methods	ASTM B499, B530
Torque Drive	GM 6010M ¹ , 6170M ¹ ; SAE J81 ¹
Surface Roughness	ASME B46.1
Metallographic Evaluation:	
Case Depth	SAE J423
Grain Size	ASTM E112; JIS G0551
Macroetching	ASTM E340

¹ The accredited test methods listed above are used in determining compliance with any material specifications included on this Scope; however, the inclusion of these material specifications on this Scope does not confer laboratory accreditation to the material specifications.

Dimensional Testing:

Parameter	Range	CMC* (±)	Technique
Thread Acceptability			
External Threads	M4 to M16 4-40 to ½-20	(330+10L) µin (330+10L) µin	Tri-roller
External Threads	M2.5 to M16 0-80 to ½ -20	N/A N/A	Thread ring gages
Internal Threads	M2.5 to M16 2056 to ½ -20	N/A N/A	Go/No Go (plug)
Linear	(0 to 4) in (0 to 1) in (0 to 6) in (0 to 14) in 0.030 to 1 in + size 0.030 to 1 in - size	(R+25L) µin (1000+12L) µin (1000+10L) µin 0.0005 in N/A N/A	Outside micrometers Inside micrometers Calipers Optical comparator Plug gages
Geometry	(0 to 1) in	(2000+38L) µin	Concentricity gages
Angle & Radii	(0 to 360)°	1.6"	Optical comparators, Contracer and VMM
Recess Penetration	(0 to 1) in	(340+10L) µin	Penetration gage (DIAL-1)
Recess Size	Torx 6 to Torx 55 Torx +6 to Torx +55 Tamper Resistant T6 to T55 Phillips 0 to #4 Pozi-Drive #1 to #3	(350+10L) µin (350+10L) µin (350+10L) µin (350+10L) µin (350+10L) µin	Indicator Gage
Straightness	(1 to 12) in	(1000+22L) µin	Straightness gage
Various Geometric Features	(10 X 6 X 6) in	X 0.002 in Y 0.002 in Z 0.002 in	Video/Touch probe measurements (YMM)
Contour	(100 X 40) mm	X 0.0016 in Z 0.0016 in	FORMPAK style measurement (Contracer)

L= length in inches

R= resolution of micrometer

* Calibration and Measurement Capability (CMC) is the smallest uncertainty of measurement that a laboratory can achieve within its scope of accreditation when performing more or less routine calibrations 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 calibration 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 calibration.



"World Class Accreditation"

April 20, 2011

Doug Kresin
ATF, Inc.
3550 West Pratt Avenue
Lincolnwood IL 60712
United States

Dear Mr. Kresin:

Your laboratory has been approved for continued accreditation by the American Association for Laboratory Accreditation (A2LA) in the Mechanical field of testing for the tests or types of tests listed on the enclosed Scope of Accreditation. An A2LA Certificate numbered 1101.01 is enclosed and may be displayed in a prominent place in your facility. Your renewed Certificate and Scope of Accreditation have also been added to the searchable database of accredited laboratories contained on our website, www.A2LA.org.

Your laboratory is now accredited to ISO/IEC 17025:2005 through February 28, 2013, by virtue of the reassessment of your laboratory and an evaluation through internal review by A2LA Staff of all activity related to this assessment and any recent proficiency testing results. One year prior to your accreditation expiration date, you must pay an annual review fee and submit updated information on your laboratory. This process will be initiated three months prior to the expected completion date to allow sufficient time for submittal of required information and fees. In addition, A2LA must be notified in writing within 30 days at any time that significant changes occur in your laboratory's location, ownership, management, authorized representative, primary contact or major facilities.

We urge you to promote and advertise your accreditation in accordance with the enclosed advertising policy as approved by the A2LA Board of Directors. Such publicity strengthens our own public information program and leads to broader recognition and acceptance of A2LA accredited laboratories. If you need copies of the "A2LA Accredited" symbol please let us know. An electronic version of the combined "ILAC MRA – A2LA Accredited" symbol is also available upon request. Please note that if you wish to use this combined symbol, you must present your proposed usage to A2LA for review and approval before you begin actual use of the combined symbol. When promoting or providing proof of your accreditation, please use your Scope of Accreditation, as this document details the specific tests or types of tests which are accredited. The certificate is to be used for display purposes only.

We are pleased that you have chosen to continue as an A2LA accredited laboratory.

Sincerely,

A handwritten signature in black ink that reads "Peter S. Unger". The signature is written in a cursive style with a large, prominent 'P' and 'U'.

Peter S. Unger
President

Enclosures

Asst ID: 17356
Master Code: 112581
Cert Nos.: Mechanical (1101.01)