



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

LABORATORY TESTING, INC. dba LTI Metrology
 2331 Topaz Drive
 Hatfield, PA 19440
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MECHANICAL

Valid Until: March 31, 2013

Certificate Number: 117.02

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

Mechanical Testing

Compression Test of Washers ASTM F959

Dimensional Testing

Parameter/Equipment	Range	CMC ¹ (±)	Comments
Thread Inspection – Tri-roll Gauging: External Threads	(0 to 1 ⁷ / ₈) in	0.00028 in	FED-STD H28/20A (systems 21, 22, & 23); AS8879C
Bi-Element: Internal Threads	#10 to 1 ⁵ / ₈ in	0.00026 in	MIL-DTL-1222J; FEDSTD H28/20; ANSI/ASME B1.1M
External Threads: Ring Gauges (Go-No-Go)	(0 to 1 ¹ / ₂) in	0.00019 in	MIL-S-8879; ANSI/ASME B1.3M
Internal Threads: Thread Plug	#10 to 1 ⁵ / ₈ in	0.00015 in	MIL-S-007742C Pratt & Whitney Supermicrometer®
Length ²	(0 to 20) in	(19 + 3.4L) μin	UMM
Angle	0° to 360°	0°, 1', 57"	Video measuring machine
Radius	Up to 6 in	(150 + 6L) μin	Video measuring machine

¹ 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. Calibration and Measurement Capabilities 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.

² In the statement of CMC, L is the numerical value of the nominal length of the device measured in inches.



The American Association for Laboratory Accreditation

Accredited Laboratory

A2LA has accredited

LABORATORY TESTING, INC. dba LTI METROLOGY

Hatfield, PA

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 8th day of June 2011.





President & CEO
For the Accreditation Council
Certificate Number 117.02
Valid to March 31, 2013

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