



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

BRIGHTON-BEST INTERNATIONAL
TESTING LABORATORY
12801 Leffingwell Avenue
Santa Fe Springs, CA 90670
Miguel Serrano Phone: 562 677 0152

MECHANICAL

Valid To: June 30, 2020

Certificate Number: 0169.01

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

<u>Test</u>	<u>Test Method(s)</u>
Tension Testing (Wedge & Axial)	ASTM F606 (3.4 & 3.5)
Assembly Installation Tension Test	ASTM F1852, F2280, F3125
Proof Load (Internal Threads)	ASTM F606 (4.2); SAE J995
Torsional Testing (Screws)	ASME B18.6.3; SAE J78, J81, J933
Drive Test (Screws)	ASME B18.6.3; SAE J81, J933
Lock Washer Twist Test	ASME B18.21.1

I. Dimensional Testing¹

Parameter	Range	CMC ² (±)	Technique/Method
Thread (Internal) ³	#2 to 1 ½ in (0.086 to 1.5) in	N/A	ASME B1.3, System 21 thread plug / Go / no go
Threads (External) ³	#4 to 1 ½ in (0.112 to 1.5) in	0.00068 in	ASME B1.3, System 22 / Tri-Roll

Parameter	Range	CMC ² (±)	Technique/Method
Linear ³ – (1D)	Up to 2 in	0.0003 in	MIL-STD-120 Micrometer, digital
	Up to 1 in	0.0003 in	Micrometer, digital
	Up to 6 in	0.0005 in	Caliper, digital
	Up to 2 in	0.00025 in	Indicator, digital
	Up to 12 in	0.001 in	Digital length indicator
	Up to 0.30 in	0.001 in	ANSI / ASME B18.6.1, B18.6.3, B18.6.4 (superseded 2005) ⁴ Recess depth gage

¹ This laboratory does not offer commercial dimensional testing.

² 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 measurements 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 measurement 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 measurement.

³ This test is not equivalent to that of a calibration.

⁴ NOTE: This laboratory's scope contains withdrawn or superseded methods. As a clarifier, this indicates that the applicable method itself has been withdrawn or is now considered "historical" and not that the laboratory's accreditation for the method has been withdrawn.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

BRIGHTON-BEST INTERNATIONAL

Santa Fe Springs, CA

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 28th day of August 2018.

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

President and CEO
For the Accreditation Council
Certificate Number 0169.01
Valid to June 30, 2020

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