



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

BRIGHTON BEST INTERNATIONAL  
TESTING LABORATORY  
12801 Leffingwell Avenue  
Santa Fe Springs, CA 90670  
Emilio Garcia Phone: 310 984 2680

MECHANICAL

Valid To: September 30, 2014

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 tests on fasteners:

**Test**

**Test Method(s)**

Tension Testing (Wedge & Axial)

ASTM F606 (3.4 & 3.5)

Assembly Installation Tension Test

ASTM F1852, F2280

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 Testing<sup>1</sup>

Parameter	Range	CMC <sup>2</sup> (±)	Technique / Method
Thread (Internal) <sup>3</sup>	#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) <sup>3</sup>	#4 to 1 ½ in (0.112 to 1.5) in	0.0002 in	ASME B1.3, System 22 / Tri-Roll

Parameter	Range	CMC <sup>2</sup> (±)	Technique / Method
Linear <sup>3</sup> – (1D)	Up to 2 in	0.0004 in	MIL-STD-120 Micrometer, digital
	Up to 1 in	0.0003 in	Micrometer, indicating
	Up to 6 in	0.001 in	Caliper, digital
	Up to 2 in	0.0002 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 Recess depth gage

<sup>1</sup> This laboratory does not offer commercial dimensional testing.

<sup>2</sup> 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.

<sup>3</sup> This test is not equivalent to that of a calibration.

*Peter Nkyer*



American Association for Laboratory Accreditation

# *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 8 January 2009*).

Presented this 20<sup>th</sup> day of September 2012.



A handwritten signature in black ink, reading "Peter Meyer", is written over a horizontal line.

President & CEO  
For the Accreditation Council  
Certificate Number 0169.01  
Valid to September 30, 2014  
Revised June 25, 2014

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