



SCOPE OF ACCREDITATION TO ISO/IEC 17025: 2005

PEM (CHINA) CO., LTD.  
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MECHANICAL

Valid To: January 31, 2013

Certificate Number: 2772.01

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

<u>Test</u>	<u>Test Methods</u>
Hardness (Rockwell) HRA, HRC, HRBW, HR15N, HR30N, HR45N	ASTM E18
Microhardness (HV.2, HV.3, HV.5, HV1)	ASTM E384
External Threads	
Tensile (Wedge/Axial)	ASTM F606, F606M; ISO 898-1; SAE J429; GM500M
Proof	ASTM F606, F606M; ISO 898-1; SAE J429; GM500M
Torsional Strength	ISO 898-7; SAE J1237, J81
Torque Tension	ISO 16047; GMW3044, 3359, 4700, 4707
De-embrittlement Verification	SAE/USCAR-7
Surface Discontinuities	ISO 6157-3 (3.6 lap on the thread); GM6102M (3.27 lap in screw thread); PF-5188(S) 2.1.7 (lap in screw threads)
Decarburization	ISO 898-1; GM500M, GM6104M; SAE J121, J121M
Grain Flow	SAE/USCAR-8
Tensile Test for Safety Belt Anchor Bolts	GM 9639P
Tensile Testing of Metallic Material (Tensile Strength/Elongation/Reduction of Area/Yield Strength)	ASTM E8/E8M; ISO 6892-1
Plating Thickness	ASTM B568 (X-Ray); ISO 3497
Coating Thickness	ASTM B499
Effective Case Depth	SAE J423
Salt Spray	ASTM B117; ISO 9227; SAE/USCAR-1
Chemical	
Optical Emission Spectroscopy (Carbon and Low Alloy Steels, Stainless Steel and Aluminum Alloys)	ASTM E415, E1086; GB/T 4336, 11170, 7999



The American Association for Laboratory Accreditation

World Class Accreditation

# *Accredited Laboratory*

A2LA has accredited

## **PEM (CHINA) CO., LTD.**

*Jiangsu Province, China*

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 21<sup>st</sup> day of January 2011.



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

President & CEO  
For the Accreditation Council  
Certificate Number 2772.01  
Valid to January 31, 2013

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