

SCOPE OF ACREDITATION TO ISO/IEC 17025:207

ELEMENT BROKEN ARROW
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MECHANICAL

Valid To: September 30, 20

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following types of tests <u>fasteners</u>, <u>metals</u>, <u>alloys</u>, <u>adhesives</u> and <u>sea</u>lants,

Certificate Number: 1089.01

aircraft components, automotive components, coatings, films, packaging; gaskets, seals and packings; composites; plastics and polymers; pipes, hoses, rubber and rubber products.

Test	Test Method(s)
Metallurgical Testing	
Tension	ASME Section IX;BS EN 895:1995 (Withdrawr 2011); EN100021:2001 (Withdrawn 2009) ASTM A370 (Sections 614

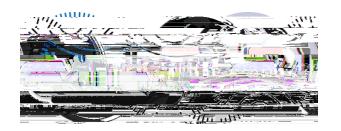
Test	Test Method(s)
Metallurgical Testing (cont'd)	
Flare & Flange Test	ASTM A370 (Section A.2.5.1.4, A.2.5.1.5), A450/A450M, A1016A/A1016M
Nick Breaks	API 1104; AWS B4.0
Electrical Conductivity	ASTM E1004 EN 20041, EN 20047
Visual Examination	ASME Section IX
Fillet Weld Fracture	ASME Section IX
Tensile Test of Fasteners	
Axial Tensile (Up to ½ in)	ASTM A370 (Section A3.2), E/E/8M, F606/F606M; NASM13128
Proof Load (nterior & exterior thread)	ASTM A370 (Section A3.2)F606/F606M; NASM-13128
Wedge TensileUp to ½ in)	ASTM A370 (Section A3.2.1.6), F606/F606M; SAE J429
Shear Test of Fasteners	
Double	ASTM B565,F606/F606M; NASM131213
Torque Tests of Fasteners	
Threaded Fasteners	NASM-131231
Self-Locking Nuts	NASM-25027, 85730
Metallographic Evaluation	
Metallographic Preparation	ASTM E3
Grain Size	ASTM E112, E930, E1382
Macro Etching	ASTM E340, E381
Micro Etching	ASTM E407

Microstructure



I. Dimensional Testing4





Accredited Laboratory

A2LA has accredited

ELEMENT BROKEN ARROW

Broken Arrow, OK

for technical competence in the field of

Mechanical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories. This



