



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

Perry Johnson Laboratory Accreditation, Inc. has assessed the Laboratory of:

Bossard

6521 Production Drive, Cedar Falls, IA 50613

(Hereinafter called the Organization) and hereby declares that Organization is accredited in accordance with the recognized International Standard:

ISO/IEC 17025:2017

This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (as outlined by the joint ISO-ILAC-IAF Communiqué dated April 2017):

Dimensional Inspections and Mechanical Testing *(As detailed in the supplement)*

Accreditation claims for such testing and/or calibration services shall only be made from addresses referenced within this certificate. This Accreditation is granted subject to the system rules governing the Accreditation referred to above, and the Organization hereby covenants with the Accreditation body's duty to observe and comply with the said rules.

For PJLA:

Tracy Szerszen
President

Initial Accreditation Date:

August 05, 2009

Issue Date:

November 24, 2023

Expiration Date:

January 31, 2026

Accreditation No.:

60247

Certificate No.:

L23-852

Perry Johnson Laboratory
Accreditation, Inc. (PJLA)
755 W. Big Beaver, Suite 1325
Troy, Michigan 48084

The validity of this certificate is maintained through ongoing assessments based on a continuous accreditation cycle. The validity of this certificate should be confirmed through the PJLA website: www.pjilabs.com



Certificate of Accreditation: Supplement

Bossard

6521 Production Drive, Cedar, IA 50613
 Contact Name: Jeff Larsen Phone: 319-859-3703

Accreditation is granted to the facility to perform the following testing:

| FIELD OF TEST | ITEMS, MATERIALS OR PRODUCTS TESTED | SPECIFIC TESTS OR PROPERTIES MEASURED | SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED | RANGE (WHERE APPROPRIATE) AND DETECTION LIMIT |
|---|---|---|--|--|
| Mechanical ^F | Fasteners | Plating thickness, X-ray | QW26 | 0.000 1 in min |
| Dimensional Inspection ^F | Threaded Fasteners, Washers, Rivets, and Related Hardware | Diameter, Length, and Other Linear Dimensional Measurements Using Calipers | QW2 | 0.05 mm to 609.6 mm D.L. = 0.01 mm Up to 24 in D.L. = 0.000 5 in |
| | | Diameter, Length, and Other Linear Dimensional Measurements Using Micrometers | QW2 | 0.2 mm to 50.8 mm D.L. = 0.001 mm Up to 2 in D.L. = 0.000 1 in |
| | Internally Threaded Fasteners | Evaluation Using Threaded Plug (Go and No Go Gages) | QW7 | M2 mm to M52 mm 0.86 in to 2 in |
| | Externally Threaded Fasteners | Evaluation Using Threaded Ring (Go and No Go Gages) | QW7 | M2 mm to M36 mm 0.86 in to 1.625 in |
| | Pitch Diameter | Using Micrometer | QW2 | 0 in to 2 in (0.2 mm to 50.8 mm) |
| | Mechanical ^F | Thread Forming Screws | Torsional Breaking Strength | QW18 |
| Externally Threaded Fasteners | | Ultimate Tensile Load | QW10, QW11 | 1 260 N to 300 000 N D.L. = 10 N |
| Internally Threaded Fasteners | | Nut Proof Load | QW12 | 1 260 N to 300 000 N D.L. = 10 N |
| Threaded Fasteners, Washers, Rivets, and Related Hardware | | Rockwell Hardness | QW9 | HRC 20 to HRC 68 HRB 30 to HRB 100 HR15N 69 to HR15N 93 HR30N 42 to HR30N 84 D.L. = 0.1 Respective Hardness Unit |
| | | Micro Indentation Hardness | QW22, QW24 | 120 HK to 920 HK 105 HK to 940 HV D.L. = 1 Respective Hardness Unit |

1. The presence of a superscript F means that the laboratory performs testing of the indicated parameter at its fixed location.