



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

Howmet Fastening Systems

***801 S. Placentia Ave., Fullerton, CA 92831
295 Austin Blvd, Red Oak, TX 75154
300 S. Austin Blvd, Red Oak, TX 75154
1800 Marcel-Laurin, St Laurent, QC Canada
4555 E Macarthur, Wichita, KS 67210
3330 N Mingo Road, Tulsa, OK 74116***

*and hereby declares that the Organization is accredited in accordance with
the recognized International Standard:*

ISO/IEC 17025:2017

Whereby, technical competence has been confirmed for the associated scope supplement, in the fields of:

Mechanical Calibration (As detailed in the supplement)

Accreditation claims for conformity assessment activities shall only be made from the addresses referenced within this certificate and shall apply solely to those activities identified in the related scope. This Accreditation is granted subject to the Accreditation Body rules governing the Accreditation referred to above, and the Organization hereby commits to observing and complying with those rules in their entirety.

For PJLA:

Tracy Szerszen
President

Initial Accreditation Date:

June 26, 2025

Issue Date:

June 26, 2025

Expiration Date:

August 31, 2027

Accreditation No.:

131295

Certificate No.:

L25-477

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

Howmet Fastening Systems

801 S. Placentia Ave., Fullerton, CA 92831
 295 Austin Blvd, Red Oak, TX 75154
 300 S. Austin Blvd, Red Oak, TX 75154
 1800 Marcel-Laurin, St Laurent, QC Canada
 4555 E Macarthur, Wichita, KS 67210
 3330 N Mingo Road, Tulsa, OK 74116
 Contact Name: Jay Olkowski Phone: 714-278-8913

Accreditation is granted to the facility to perform the following conformity assessment activities:

801 S. Placentia Ave., Fullerton, CA 92831

FIELD OF CALIBRATION	MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE (AND SPECIFICATION WHERE APPROPRIATE)	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (\pm)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED	LOCATION OF ACTIVITY
Mechanical	Torque Driver/ Wrench	5 lbf•in to 1 000 lbf•in	5 % of Reading	Torque Transducer	KFCP11-13	O

295 Austin Blvd, Red Oak, TX 75154

FIELD OF CALIBRATION	MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE (AND SPECIFICATION WHERE APPROPRIATE)	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (\pm)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED	LOCATION OF ACTIVITY
Mechanical	Torque Driver/ Wrench	5 lbf•in to 1 000 lbf•in	5 % of Reading	Torque Transducer	KFCP11-10	O

300 S. Austin Blvd, Red Oak, TX 75154

FIELD OF CALIBRATION	MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE (AND SPECIFICATION WHERE APPROPRIATE)	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (\pm)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED	LOCATION OF ACTIVITY
Mechanical	Torque Driver/ Wrench	5 lbf•in to 1 000 lbf•in	5 % of Reading	Torque Transducer	KFCP11-12	O

1800 Marcel-Laurin, St Laurent, QC Canada

FIELD OF CALIBRATION	MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE (AND SPECIFICATION WHERE APPROPRIATE)	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (\pm)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED	LOCATION OF ACTIVITY
Mechanical	Torque Driver/ Wrench	5 lbf•in to 1 000 lbf•in	5 % of Reading	Torque Transducer	KFCP11-3	O



Certificate of Accreditation: Supplement

Howmet Fastening Systems

801 S. Placentia Ave., Fullerton, CA 92831
 295 Austin Blvd, Red Oak, TX 75154
 300 S. Austin Blvd, Red Oak, TX 75154
 1800 Marcel-Laurin, St Laurent, QC Canada
 4555 E Macarthur, Wichita, KS 67210
 3330 N Mingo Road, Tulsa, OK 74116
 Contact Name: Jay Olkowski Phone: 714-278-8913

Accreditation is granted to the facility to perform the following conformity assessment activities:

3330 N Mingo Road, Tulsa, OK 74116

FIELD OF CALIBRATION	MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE (AND SPECIFICATION WHERE APPROPRIATE)	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (\pm)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED	LOCATION OF ACTIVITY
Mechanical	Torque Driver/ Wrench	5 lbf•in to 1 000 lbf•in	5 % of Reading	Torque Transducer	KFCP11-1	O

4555 E Macarthur, Wichita, KS 67210

FIELD OF CALIBRATION	MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE (AND SPECIFICATION WHERE APPROPRIATE)	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (\pm)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED	LOCATION OF ACTIVITY
Mechanical	Torque Driver/ Wrench	5 lbf•in to 1 000 lbf•in	5 % of Reading	Torque Transducer	KFCP11-5	O

- The CMC (Calibration and Measurement Capability) stated for calibrations included on this scope of accreditation represents the smallest measurement uncertainty attainable by the laboratory when performing a more or less routine calibration of a nearly ideal device under nearly ideal conditions. It is typically expressed at a confidence level of 95 % using a coverage factor k (usually equal to 2). The actual measurement uncertainty associated with a specific calibration performed by the laboratory will typically be larger than the CMC for the same calibration since capability and performance of the device being calibrated and the conditions related to the calibration may reasonably be expected to deviate from ideal to some degree.
- The laboratories range of calibration capability for all disciplines for which they are accredited is the interval from the smallest calibrated standard to the largest calibrated standard used in performing the calibration. The low end of this range must be an attainable value for which the laboratory has or has access to the standard referenced. Verification of an indicated value of zero in the absence of a standard is common practice in the procedure for many calibrations but by its definition it does not constitute calibration of zero capacity.
- Location of activity:

Location Code	Location
O	Conformity assessment activity is performed onsite at the CABs customer location



Certificate of Accreditation: Supplement

Howmet Fastening Systems

801 S. Placentia Ave., Fullerton, CA 92831
295 Austin Blvd, Red Oak, TX 75154
300 S. Austin Blvd, Red Oak, TX 75154
1800 Marcel-Laurin, St Laurent, QC Canada
4555 E Macarthur, Wichita, KS 67210
3330 N Mingo Road, Tulsa, OK 74116
Contact Name: Jay Olkowski Phone: 714-278-8913

Accreditation is granted to the facility to perform the following conformity assessment activities:

4. Measurement uncertainties obtained for calibrations performed at customer sites can be expected to be larger than the measurement uncertainties obtained at the laboratories fixed location for similar calibrations. This is due to the effects of transportation of the standards and equipment and upon environmental conditions at the customer site which are typically not controlled as closely as at the laboratories fixed location.
5. Fullerton, CA- HQ Location performs Quality Management System Activities and Remote Technicians to support activities at Dorval QC Canada, Mirabel QC Canada, Baltimore, MD and Stuart, FL. Other addresses listed on this certificate include locations where Howmet technicians permanently reside at customer sites.

