



# CERTIFICATE OF ACCREDITATION

**ANSI-ASQ National Accreditation Board**

500 Montgomery Street, Suite 625, Alexandria, VA 22314, 877-344-3044

This is to certify that

**Industrial Bolting Technologies, Inc.**  
**#6 McCown Circle**  
**Charleston, WV 25313**

has been assessed by ANAB  
and meets the requirements of international standard

**ISO/IEC 17025:2005**

while demonstrating technical competence in the field of

**CALIBRATION**

Refer to the accompanying Scope of Accreditation for information regarding the types of calibrations to which this accreditation applies.

L2403

Certificate Number

  
ANAB Approval

Certificate Valid: 02/01/2018-11/04/2020  
Version No. 001 Issued: 02/01/2018



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. 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 April 2017).



**SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005**

**Industrial Bolting Technologies, Inc.**

#6 McCown Circle  
Charleston, WV 25313  
Mike McCown  
304-744-9489

**CALIBRATION**

Valid to: November 4, 2020

Certificate Number: L2403

**Mass and Mass Related**

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
Manual Torque Wrench	(10 to 100) lbf·in (50 to 500) lbf·in (25 to 250) lbf·ft (75 to 750) lbf·ft	0.7 lbf·in 2.4 lbf·in 4.1 lbf·ft 8.7 lbf·ft	AWS MTMDP-4 Torque Calibration System utilizing ISO 6789
	(100 to 1 000) lbf·ft	24.4 lbf·ft	AKO Torque Master Calibration System: Torque Transducer TSD20011, Pressure Transducer TSD10KPT, Display TSD6500-2
Hydraulic Torque Wrench	(250 to 2 500) lbf·ft (2 500 to 25 000) lbf·ft	18.6 lbf·ft 190.8 lbf·ft	AWS Model 41012-HYDP AWS Model 41025
	(50 to 20 000) lbf·ft	41.0 lbf·ft	AKO Torque Master Calibration System TSD20011, Pressure Transducer TSD10KPT Display TSD6500-2
Pneumatic Torque Wrench	(250 to 2 500) lbf·ft (375 to 7 500) lbf·ft	31.5 lbf·ft 97.2 lbf·ft	AWS Model 41012-HYRD AWS Model 41014-HYRD



Mass and Mass Related

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
Pneumatic Torque Wrench	(100 to 10 000) lbf·ft	51.3 lbf·ft	AKO Torque Master Calibration System: Torque Transducer TSD20011, Pressure Transducer TSD10KPT, Display TSD6500-2
Pressure Gauge	(10 to 100) psi (10 to 1 000) psi (10 to 5 000) psi (10 to 10 000) psi	0.7 psi 6.5 psi 12.6 psi 60.1 psi	Crystal Engineering Gauge CalXP Pressure Calibrators 100PSIXP2i, 1KPSIXP2i, 5KPSIXP2i and 10KPSIXP2i

Calibration and Measurement Capability (CMC) is expressed in terms of the measurement parameter, measurement range, expanded uncertainty of measurement and reference standard, method, and/or equipment. The expanded uncertainty of measurement is expressed as the standard uncertainty of the measurement multiplied by a coverage factor of 2 ( $k=2$ ), corresponding to a confidence level of approximately 95%.

Notes:

1. Laboratory offers calibration services at the laboratory's own facilities.
2. This scope is formatted as part of a single document including Certificate of Accreditation No. L2403.

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Vice President

