



# CERTIFICATE OF ACCREDITATION

## ANSI National Accreditation Board

11617 Coldwater Road, Fort Wayne, IN 46845 USA

This is to certify that

**McCann Equipment Ltd.**  
**10255 Côte de Liesse**  
**Dorval, QC H9P 1A3**

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

**ISO/IEC 17025:2017**

while demonstrating technical competence in the field of

**CALIBRATION**

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

L2097-1

Certificate Number

  
ANAB Approval

Certificate Valid Through: 06/29/2021  
Version No. 004 Issued: 06/04/2019



This laboratory 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 (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).

**SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017**

**McCann Equipment Ltd.**

10255 Côte de Liesse  
Dorval, QC, H9P 1A3  
Kathy McCann-Quart 514-636-6344

**CALIBRATION**

Valid to: **June 29, 2021**

Certificate Number: **L2097-1**

**Electrical – DC/Low Frequency**

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Torque Indicator and Display Units	(0.01 to 15.75) V (0.5 to 20) mA	0.01 % of reading	Electronic Transducer and Display Unit per McCann procedures

**Mass and Mass Related**

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Adjustable Hand Torque Wrenches	(0.6 to 100) lbf-in (8 to 50) lbf-ft (50 to 250) lbf-ft (250 to 750) lbf-ft (750 to 2 000) lbf-ft	0.79 % of applied load 0.71 % of applied load 0.7 % of applied load 0.71 % of applied load 1.1 % of applied load	McCann procedure based on ISO 6789:2017 with Electronic Transducer and Display Unit with ISO loader.
Dial Hand Torque Wrenches	(0.6 to 15) lbf-in (15 to 600) lbf-in (50 to 250) lbf-ft (250 to 600) lbf-ft (600 to 2 000) lbf-ft	0.66 % of applied load 0.64 % of applied load 0.59 % of applied load 0.78 % of applied load 0.84 % of applied load	McCann procedure based on ISO 6789:2017 with Electronic Transducer and Display Unit with ISO loader.
Digital Hand Torque Wrenches	(0.2 to 250) lbf-ft (250 to 600) lbf-ft (600 to 750) lbf-ft (750 to 1 000) lbf-ft	0.68 % of applied load 0.61 % of applied load 0.55 % of applied load 0.52 % of applied load	
Torque Limiting Screwdrivers	(0.6 to 10) lbf-in (10 to 80) lbf-in (80 to 130) lbf-in	1.2 % of applied load 0.82 % of applied load 0.88 % of applied load	

**Mass and Mass Related**

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Pneumatic Torque Tools	(0.4 to 10 000) lbf·ft (10 000 to 25 000) lbf·ft	1.1 % of applied load 0.93 % of applied load	Electronic Transducer and Display Unit per McCann procedures
Hydraulic Torque Tools	(127 to 5 000) lbf·ft (5 000 to 25 000) lbf·ft	0.79 % of applied load 0.83 % of applied load	
Electronic Torque Tools (Clutch Type)	(1.5 to 110) lbf·in	1.1 % of applied load	
Electronically Controlled Torque Tools	(100 to 6 700) lbf·ft	0.97 % of applied load	
Hand Torque Multipliers	(127 to 5 000) lbf·ft (5 000 to 25 000) lbf·ft	2.2 % of applied load 3.9 % of applied load	
Torque Closure Meters	(1 to 100) lbf·in	0.62 % of applied load	
Torque Transducers	4 ozf·in to 1 200 lbf·ft	0.11 % of applied load	BS7882:2017 Dead Weight Test and Unsupported Beams
Torque Testers	(250 to 5 000) lbf·ft	0.11 % of applied load	
Torque Transducers	(500 to 50 000) lbf·ft	0.46 % of applied load	Hydraulic Activated Supported Beam
Torque Tester	(1.5 to 750) lbf·ft	0.53 % of applied load	ISO Loader with Electronic Transducer and Display Unit per McCann procedures
Tensiometers	(10 to 2 000) lbf	0.44 % of applied load	Electronic Transducer and Display Unit per McCann procedures
Bolt Tension Meter	(200 to 10 000) lbf	0.54 % of applied load	Skidmore J: Load Cell and Display
	(1000 to 30 000) lbf	0.55 % of applied load	Skidmore J: Load Cell and Display
	(2000 to 110 000) lbf	0.66 % of applied load	Skidmore M, ML, RL, RJ: Load Cell and Display
	(1000 to 126 000) lbf	0.54 % of applied load	Skidmore MZ: Load Cell and Display
	(2 000 to 170 000) lbf	0.66 % of applied load	Skidmore H & HS: Load Cell and Display
	(2 500 to 225 000) lbf	0.71 % of applied load	Skidmore K: Load Cell and Display
	(5 000 to 450 000) lbf	0.74 % of applied load	Skidmore Super K: Load Cell and Display


**Mass and Mass Related**

<b>Parameter/Equipment</b>	<b>Range</b>	<b>Expanded Uncertainty of Measurement (+/-)</b>	<b>Reference Standard, Method, and/or Equipment</b>
Force Testing Systems – Compression Only	(14 000 to 200 000) lbf (122 000 to 997 000) lbf	0.08 % of applied load 0.08 % of applied load	ASTM E4 using ASTM E74 Class A Load Cells and Displays
Hydraulic Tensioners	(8 to 1 650) kN	0.75 % of applied pressure	Bolt Load Meter per McCann Procedures
Hydraulic Cylinders	(0.5 to 500) sh.tn	0.13 % of applied load	Interface Load Cell and DFI Infinity B Display
Hydraulic Pressure Gauge	(300 to 30 000) psig	0.23 % of reading	Electronic – Dead Weight Tester FLUKE Model No. E-DWT-H A200Me-L per McCann Procedures
Pneumatic Pressure Gauge	(0.1 to 300) psig	0.38 % of reading	Additel Digital Tester per McCann Procedures
Pneumatic Pressure Gauge	(0.1 to 300) psig	0.11 % of applied load	Druck Pressure Transducer per McCann Procedures for In-House Calibration of Additel Digital Tester

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. On-site calibration service is available for this parameter, since on-site conditions are typically more variable than those in the laboratory, larger measurement uncertainties are expected on-site than what is reported on the accredited scope
2. This scope is formatted as part of a single document including Certificate of Accreditation No. L2097-1.



\_\_\_\_\_  
Vice President

