



CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

McCann Equipment Ltd.
10255 Côte de Liesse
Dorval, QC H9P 1A3
(and satellite locations as shown on the scope)

Fulfills the requirements of

ISO/IEC 17025:2017

In the field of

CALIBRATION

This certificate is valid only when accompanied by a current scope of accreditation document.
The current scope of accreditation can be verified at www.anab.org.

Jason Stine, Vice President

Expiry Date: 29 June 2025
Certificate Number: L2097-1



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, 2025**

Certificate Number: **L2097-1**

Satellite locations in:

[Edmonton, AB Canada \(L2097.01-1\)](#)

[Oakville, ON Canada \(L2097.02-1\)](#)

[Winnipeg, MB Canada \(L2097.03-1\)](#)

[Salem, NH USA \(L2097.05-1\)](#)

[Quebec, QC Canada \(L2097.06-1\)](#)

Accredited Services performed at Main Site laboratory

(L2097-1)

McCann Equipment Ltd.

10255 Côte de Liesse

Dorval, QC, H9P 1A3

Kathy McCann-Quart

514-636-6344

Electrical – DC/Low Frequency

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Torque Indicator, Display Units	(-16 to 16) mV (-2 to 2) V	0.01 % of reading + 20 nV 0.01 % of reading + 20 nV	McCann Procedure with Fluke 8508A Multimeter

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 Indicating 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	
Electronic Measurement 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	McCann procedure based on ISO 6789:2017 with Electronic Transducer and Display Unit
Pneumatic Torque Tools	(0.4 to 5 000) lbf·ft (5 000 to 60 000) lbf·ft	1.1 % of applied load 0.93 % of applied load	McCann Procedure with Electronic Transducer and Display Unit
Hydraulic Torque Tools	(127 to 5 000) lbf·ft (5 000 to 25 000) lbf·ft (25 000 to 60 000) lbf·ft	0.79 % of applied load 0.83 % of applied load 0.83 % of applied load	

Mass and Mass Related

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Electronic Torque Tools (Clutch Type)	(1.5 to 110) lbf-in	1.1 % of applied load	McCann Procedure with Electronic Transducer and Display Unit
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	0.07 % of applied load	BS7882:2017 Dead Weight Test and Unsupported Beams
Torque Testers	4 ozf-in to 1 200 lbf-ft	0.07 % of applied load	
Torque Transducers	(350 to 60 000) lbf-ft	0.07 % of applied load	BS7882:2017 Hydraulic Activated Supported Beam
Torque Testers	0.75 lbf-in to 2 500 lbf-ft	0.53 % of applied load	McCann Procedure with Electronic Transducer, Display Unit and ISO Loader
Tensiometers	(5 to 2 000) lbf	0.44 % of applied load	McCann Procedure with Electronic Transducer and Display Unit
Bolt Tension Meters	(200 to 10 000) lbf	0.54 % of applied load	Skidmore J: Load Cell and Display
	(1 000 to 30 000) lbf	0.55 % of applied load	Skidmore J: Load Cell and Display
	(2 000 to 110 000) lbf	0.66 % of applied load	Skidmore M, ML, RL, RJ: Load Cell and Display
	(1 000 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
Bolt Tension Meters	(5 000 to 450 000) lbf	0.74 % of applied load	Skidmore Super KL: Load Cell and Display

Mass and Mass Related

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Force Testing Systems – Compression Only	(20 000 to 300 000) lbf (100 000 to 996 000) lbf	0.08 % of applied load 0.08 % of applied load	ASTM E4-16 using ASTM E74 Class A Load Cells and Displays
Hydraulic Tensioners	(8 to 1 779.25) kN	0.75 % of applied load	McCann Procedure with Bolt Load Meter
Hydraulic Cylinders ⁴	(0.5 to 500) tn	0.13 % of applied load	McCann Procedure with Load Cell and Display
Pressure Gauges	(1 to 30 000) psig	0.23 % of reading	ASME B40.100 with Electronic Dead Weight Tester: FLUKE Model No. E-DWT-H A200Me-L
	(0.1 to 300) psig	0.38 % of reading	ASME B40.100 with Additel Digital Tester
	(0.1 to 300) psig	0.11 % of applied load	ASME B40.100 with Druck Pressure Transducer for In-House Calibration of Additel Digital Tester

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Accredited Services performed at satellite laboratory

(L2097.01-1)

McCann Equipment Ltd.

4817 – 89th Street

Edmonton, AB T6E 5L3

Kathy McCann-Quart 780-414-1808

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, Display Unit and ISO loader
Dial Indicating 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	
Electronic Measurement 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	McCann procedure based on ISO 6789:2017 with Electronic Transducer and Display Unit
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	McCann procedure with Electronic Transducer and Display Unit
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	
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 Testers	0.75 lbf·in to 2 500 lbf·ft	0.53 % of applied load	McCann procedure with Electronic Transducer, Display Unit and ISO Loader
Electronically Controlled Torque Tools	(100 to 6 700) lbf·ft	0.97 % of applied load	McCann procedure with Electronic Transducer and Display Unit

Mass and Mass Related

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Pressure Gauges	(1 to 30 000) psig	0.23 % of reading	ASME B40.100 with Electronic Dead Weight Tester: FLUKE Model No. RPM4-E-DWT-H A200Me-L
	(0.1 to 300) psig	0.38 % of reading	ASME B40.100 with Additel Digital Tester
Bolt Tension Meters	(200 to 10 000) lbf	0.54 % of applied load	Skidmore J: Load Cell and Display
	(1 000 to 30 000) lbf	0.55 % of applied load	Skidmore J: Load Cell and Display
	(2 000 to 110 000) lbf	0.66 % of applied load	Skidmore M, ML, RL, RJ: Load Cell and Display
	(1 000 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
Hydraulic Tensioners	(8 to 1 779.25) kN	0.75 % of applied pressure	McCann Procedure and Bolt Load Meter

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Accredited Services performed at satellite laboratory

(L2097.02-1)

McCann Equipment Ltd.

2750 Coventry Road

Oakville, ON L6H 6R1

Kathy McCann-Quart 905-829-3393

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, Display Unit and ISO loader
Dial Indicating 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	
Electronic Measurement 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	McCann procedure based on ISO 6789:2017 with Electronic Transducer and Display Unit
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	McCann Procedure with Electronic Transducer and Display Unit
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 lbf.in to 110 lbf·in	1.1 % of applied load	
Electronically Controlled Torque Tools	(100 to 6 700) lbf·ft	0.97 % of applied load	
Electronically Controlled Torque Tools (Desoutter)	(1 to 4 000) N·m	0.57 % of applied load	McCann Procedure with Electronic Transducer and Display Unit

Mass and Mass Related

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
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	McCann Procedure with Electronic Transducer and Display Unit
Torque Closure Meters	(1 to 100) lbf·in	0.62 % of applied load	
Torque Transducers, Torque Testers	1.5 lbf·in to 1 200 lbf·ft	0.07 % of applied load	ISO BS7882:2017 with Dead Weight Test and Unsupported Beams
Torque Testers	0.75 lbf·in to 2 500 lbf·ft	0.53 % of applied load	McCann Procedure with Electronic Transducer, Display Unit and ISO Loader
Pressure Gauges	(1 to 30 000) psig	0.23 % of reading	ASME B40.100 with Electronic Dead Weight Tester: FLUKE Model No. RPM4-E-DWT-H A200Me-L
	(0.1 to 300) psig	0.38 % of reading	ASME B40.100 with Additel Digital Tester
Bolt Tension Meters	(200 to 10 000) lbf	0.54 % of applied load	Skidmore J: Load Cell and Display
	(1 000 to 30 000) lbf	0.55 % of applied load	Skidmore J: Load Cell and Display
	(2 000 to 110 000) lbf	0.66 % of applied load	Skidmore M, ML, RL, RJ: Load Cell and Display
	(1 000 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
Hydraulic Tensioners	(8 to 1 779.25) kN	0.75 % of applied pressure	McCann Procedure with Bolt Load Meter

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Accredited Services performed at satellite laboratory

(2097.03-1)

McCann Equipment Ltd.

1448 Wellington Ave.

Winnipeg, MB R3E 0K5

Kathy McCann-Quart 204-774-2277

Mass and Mass Related

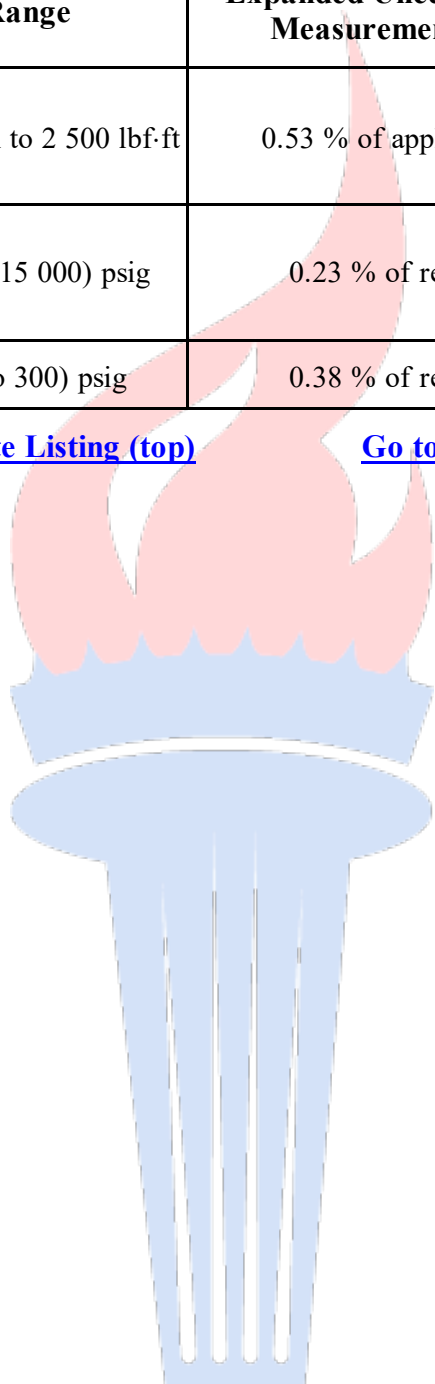
Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Adjustable Hand Torque Wrenches	(0.6 to 100) lbf·in (8 to 50) lbf·ft (50 to 250) lbf·ft (250 to 750) lbf·ft (750 to 2 000) lbf·ft	0.79 % of applied load 0.71 % of applied load 0.7 % of applied load 0.71 % of applied load 1.1 % of applied load	McCann procedure based on ISO 6789:2017 with Electronic Transducer, Display Unit and ISO loader
Dial Indicating 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	
Electronic Measurement 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	McCann procedure based on ISO 6789:2017 with Electronic Transducer and Display Unit
Pneumatic Torque Tools	(0.4 to 10 000) lbf·ft	1.1 % of applied load	McCann Procedure with Electronic Transducer and Display Unit
Hydraulic Torque Tools	(127 to 5 000) lbf·ft (5 000 to 10 000) 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 10 000) lbf·ft	2.2 % of applied load 3.9 % of applied load	McCann Procedure with Electronic Transducers and Display Units

Mass and Mass Related

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Torque Testers	0.75 lbf·in to 2 500 lbf·ft	0.53 % of applied load	McCann Procedure with Electronic Transducer, Display Unit and ISO Loader
Pressure Gauges	(200 to 15 000) psig	0.23 % of reading	Conformity Assessment to Accuracy Requirement with Digital Pressure Tester.
	(0.1 to 300) psig	0.38 % of reading	ASME B40.100 with Additel Digital Tester

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Accredited Services performed at satellite laboratory

(L2097.05-1)

**Eastern Pneumatics & Hydraulics Inc.,
A division of McCann Equipment Ltd.**

40 Lowell Road, Unit #3

Salem, NH 03079

Kathy McCann-Quart 603-893-7662

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, Display Unit and ISO Loader.
Dial Indicating 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	
Electronic Measurement 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	McCann procedure based on ISO 6789:2017 with Electronic Transducer and Display Unit
Pneumatic Torque Tools	(0.4 to 10 000) lbf·ft	1.1 % of applied load	McCann Procedure with Electronic Transducer and Display Unit
Hydraulic Torque Tools	(127 to 5 000) lbf·ft (5 000 to 10 000) 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 10 000) lbf·ft	2.2 % of applied load 3.9 % of applied load	McCann Procedure with Electronic Transducers and Display Units

Mass and Mass Related

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Torque Testers	0.75 lbf·in to 2 500 lbf·ft	0.53 % of applied load	McCann Procedure with Electronic Transducer, Display Unit and ISO Loader
Bolt Tension Meters	(200 to 10 000) lbf	0.54 % of applied load	Skidmore J: Load Cell and Display
	(1 000 to 30 000) lbf	0.55 % of applied load	Skidmore J: Load Cell and Display
	(2 000 to 110 000) lbf	0.66 % of applied load	Skidmore M, ML, RL, RJ: Load Cell and Display
	(1 000 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
Hydraulic Bolt Tensioners	(8 to 880) kN	0.75 % of applied pressure	McCann Procedure with Bolt Load Meter
Hydraulic Cylinders ⁴	(0.5 to 100) tn	0.13 % of applied load	McCann Procedure with Load Cell and Display
Pressure Gauges	(0.1 to 300) psig	0.38 % of reading	ASME B40.100 with Additel Digital Tester

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Accredited Services performed at satellite laboratory

(L2097.06-1)

McCann Equipment Ltd.

925, ave Newton, #107

Quebec, QC G1P 4M2

Kathy McCann-Quart 418-877-7718

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 1 000) 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, Display Unit and ISO loader
Dial Indicating 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 1 000) 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	
Electronic Measurement 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	McCann procedure based on ISO 6789:2017 with Electronic Transducer and Display Unit
Pneumatic Torque Tools	(0.4 to 5 000) lbf·ft	1.1 % of applied load	McCann Procedure with Electronic Transducer and Display Unit
Hydraulic Torque Tools	(127 to 5 000) lbf·ft	0.79 % of applied load	
Hand Torque Multipliers	(127 to 5 000) lbf·ft	2.2 % 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 4 500) lbf·ft	0.87 % of applied load	McCann Procedure with Electronic Transducer and Display Unit
Bolt Tension Meters	(200 to 10 000) lbf	0.54 % of applied load	Skidmore J: Load Cell and Display

Mass and Mass Related

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Bolt Tension Meters	(1 000 to 110 000) lbf	0.55 % of applied load	Skidmore J: Load Cell and Display
	(2 000 to 110 000) lbf	0.66 % of applied load	Skidmore M, ML, RL, RJ: Load Cell and Display
	(1 000 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
Hydraulic Cylinders ⁴	(0.5 to 200) tn	0.13 % of applied load	McCann Procedure with Load Cell and Display
Pressure Gauges	(3 to 16 000) psig	0.23 % of reading	ASME B40.100 with Dead Weight Tester
	(0.1 to 300) psig	0.38 % of reading	ASME B40.100 with Crystal Digital Tester
Vacuum Gauges	(-13.5 to 0) psi	0.22 % of reading	McCann Procedure with comparison to Crystal Digital Gauge. (Accuracy Only)

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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. Site specific sections are identified by city and suffix (L2097.xx-1) for convenience.
3. tn = short ton.



Jason Stine, Vice President