

**The Appendix is an integral part of
Certificate of Accreditation No. 502/2018 of 25/09/2018**

Accredited entity according to ČSN EN ISO/IEC 17025:2005:

TORQUE s.r.o.
TORQUE Calibration Laboratory
Prostřední Nová Ves 137. 507 81 Lázně Bělohrad

The Laboratory is qualified to update standards identifying the calibration procedures.

Field of measured quantity: torque

Calibration: Nominal calibration temperature: $(23 \pm 5) ^\circ\text{C}$

Ordinal number ¹⁾	Measured quantity	Measured quantity range	Calibration and Measurement Capability [±] ²⁾	Method identification
1	Torque	(0.01 to 5.0) Nm	0.10 % MH	MK-02-01-1 (EURAMET cg-14)
		(5.0 to 30.0) Nm	0.13 % MH	
		(30 to 80) Nm	0.17 % MH	
		(80 to 300) Nm	0.06 % MH	
		(300 to 1600) Nm	0.23 % MH	MK-02-02-1 (EURAMET cg-14)
		(0.01 to 5.0) Nm	0.10 % MH	
2*	Torque	(5 to 300) Nm	0.19 % MH	MK-02-03-1 (ČSN EN ISO 6789, ISO 5393)
		(300 to 1600) Nm	0.23 % MH	
		(0.01 to 1600) Nm	0.25 % MH	MK-02-04-1 (ČSN EN ISO 6789, ISO 5393)

¹⁾ Asterisk at the ordinal number identifies the calibrations, which the Laboratory is qualified to carry out outside the permanent laboratory premises.

²⁾ Expressed like uncertainty in accordance with the requirements of the document EA -4/02 at $k = 2$.

Explanations and abbreviations:

MV – Measured Value

MK – Calibration Method (Internal Calibration Procedure prepared by the TORQUE Calibration Laboratory)

Measured instruments or devices:

(In accordance with the above list of measured quantities and their range of measurement, it is possible to measure the following types of devices and equipment.)

Ordinal number	Measured instrument/device type
1	Torque transducers, torque meters, controlled nutrunners, nutrunner systems, torque wrenches and screwdrivers, pneumatic and electric nutrunners

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Field of measured quantity: Angle

Calibration:

Nominal calibration temperature: $(23 \pm 5) ^\circ\text{C}$

Ordinal number ¹⁾	Measured quantity	Measured quantity range	Calibration and Measurement Capability $[\pm]$ ²⁾	Method identification
1	Rotation angle	$n \times 360^\circ$	0.05°	MK-02-05-1 (VDI/VDE 2648-1)
		$n \times 360^\circ$	0.1°	MK-02-06-1 (VDI/VDE 2648-1)
2*	Rotation angle	$n \times 360^\circ$	0.1°	MK-02-07-1 (VDI/VDE 2648-2) MK-02-08-1 (VDI/VDE 2648-2)

¹⁾ Asterisk at the ordinal number identifies the calibrations, which the Laboratory is qualified to carry out outside the permanent laboratory premises.

²⁾ Expressed like uncertainty in accordance with the requirements of the document EA -4/02 at $k = 2$.

Explanations and abbreviations:

MK – Calibration Method (Internal Calibration Procedure prepared by the TORQUE Calibration Laboratory)

VDI/VDE - Verein Deutscher Ingenieure/Verband der Elektrotechnik Elektronik Informationstechnik (Association of German Engineers/Association for Electrical, Electronic & Information Technologies)

Measured instruments or devices:

(In accordance with the above list of measured quantities and their range of measurement, it is possible to measure the following types of devices and equipment.)

Ordinal number	Measured instrument/device type
1	Torque transducers with rotation angle measurement, rotation angle meters for torque meters, nutrunners with rotation angle measurement, nutrunner systems, torque wrenches with rotation angle measurement