

Deutsche Akkreditierungsstelle GmbH

Annex to the Accreditation Certificate D-K-15127-02-00 according to DIN EN ISO/IEC 17025:2005

Period of validity: 27.09.2017 to 29.04.2019

Date of issue: 27.09.2017

Holder of certificate:

**Kistler Instrumente Gesellschaft mit beschränkter Haftung
Umberto-Nobile-Straße 14, 71063 Sindelfingen**

with its calibration laboratory

**Kistler Instrumente Gesellschaft mit beschränkter Haftung
Maierhofstraße 35, 73547 Lorch**

Head:

Dr. Udo Triltsch

Deputy Head:

Mark-Ben Seidenspinner

Accredited as calibration laboratory since: 29.03.2004

Calibration in the fields:

Mechanical quantities

– **Torque**

Permanent Laboratory

Measurement quantity / Calibration item	Range	Measurement conditions / procedure	Best measurement capability ¹⁾	Remarks
Torque Torque measuring devices and torque measuring chain	0,004 N·m to 0,01 N·m	DIN 51309:200	0,20 %	20 N·m Torque Calibration Machine, Range 1
	> 0,01 N·m to < 0,1 N·m		0,04 %	20 N·m Torque Calibration Machine, Range 2
	0,1 N·m to 20 N·m		0,02 %	20 N·m Torque Calibration Machine, Range 3
	1 N·m to 10 N·m		0,10 %	3 kN·m Torque Calibration Machine
	> 10 N·m to 3 kN·m		0,02 %	
	1 N·m to 5 N·m		0,10 %	5 kN·m Torque Calibration Machine
	> 5 N·m to 10 N·m		0,05 %	
	> 10 N·m to 20 N·m		0,02 %	
	> 20 N·m to 5 kN·m		0,01 %	
	1 kN·m to 20 kN·m		0,05 %	100 kN·m Torque Calibration Machine
	> 20 kN·m to 100 kN·m		0,10 %	

¹⁾ The best measurement capabilities are stated according to EA-4/02. These are expanded uncertainties of measurement with a coverage probability of 95% and have a coverage factor of k = 2 unless stated otherwise. Uncertainties without unit are relative uncertainties referring to the measurement value unless stated otherwise.