

Deutsche Akkreditierungsstelle

Annex to the Accreditation Certificate D-K-15107-01-00 according to DIN EN ISO/IEC 17025:2018

Valid from: 19.02.2024

Date of issue: 19.02.2024

Holder of accreditation certificate:

STAHLWILLE Eduard Wille GmbH & Co. KG
Lindenallee 27, 42349 Wuppertal

with the location

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Lindenallee 27, 42349 Wuppertal

The calibration laboratory meets the requirements of DIN EN ISO/IEC 17025:2018 to carry out the conformity assessment activities listed in this annex. The calibration laboratory meets additional legal and normative requirements, if applicable, including those in relevant sectoral schemes, provided that these are explicitly confirmed below.

The management system requirements of DIN EN ISO/IEC 17025 are written in the language relevant to the operations of calibration laboratories and they conform to the principles of DIN EN ISO 9001.

Calibration in the fields:

Mechanical quantities

– **Torque**

This certificate annex is only valid together with the written accreditation certificate and reflects the status as indicated by the date of issue. The current status of any given scope of accreditation can be found in the directory of accredited bodies maintained by Deutsche Akkreditierungsstelle GmbH at <https://www.dakks.de>.

Abbreviations used: see last page

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This document is a translation. The definitive version is the original German annex to the accreditation certificate.

Annex to the Accreditation Certificate D-K-15107-01-00

Permanent Laboratory

Calibration and Measurement Capabilities (CMC)

| Measurement quantity / Calibration item | Range | Measurement conditions /procedure | Expanded uncertainty of measurement | Remarks |
|---|--------------------|-----------------------------------|-------------------------------------|--|
| Torque Calibration devices for manually operated torque tools | 0.2 N·m to 10 N·m | DIN 51309:2022 | $5 \cdot 10^{-3}$ | Calibration devices only for torque screwdrivers |
| | 0.2 N·m to < 1 N·m | DKD-R 10-8:2020 | $1 \cdot 10^{-2}$ | Calibration devices only for torque wrenches |
| | 1 N·m to 3000 N·m | DKD-R 10-8:2020 | $5 \cdot 10^{-3}$ | |
| Manually operated torque tools | 1 N·m to < 2 N·m | DIN EN ISO 6789-2:2017 | $1 \cdot 10^{-2}$ | torque wrenches |
| | 2 N·m to 3000 N·m | | $5 \cdot 10^{-3}$ | |
| | 0.2 N·m to 10 N·m | DIN EN ISO 6789-2:2017 | $5 \cdot 10^{-3}$ | torque screwdrivers |

Abbreviations used:

- CMC Calibration and measurement capabilities
- DIN Deutsches Institut für Normung e.V. – German institute for standardization
- DKD-R Guideline of the Deutscher Kalibrierdienst (DKD), published by Physikalisch-Technische Bundesanstalt
- EN Europäische Norm – European Standard
- IEC International Electrotechnical Commission
- ISO International Organization for Standardisation

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