

Deutsche Akkreditierungsstelle

Annex to the Accreditation Certificate D-K-21453-01-00 according to DIN EN ISO/IEC 17025:2018

Valid from: 13.12.2021

Date of issue: 07.06.2024

Holder of accreditation certificate:

Stotz Feinmesstechnik GmbH
Herman-Dreher-Straße 6, 70839 Gerlingen

with the location

Stotz Feinmesstechnik GmbH
Kalibrierlaboratorium
Herman-Dreher-Straße 6, 70839 Gerlingen

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.

Calibrations in the areas:

Dimensional quantities

Length

- **Diameter**
- **Form error**

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>.

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Permanent Laboratory

Calibration- and Measurement Capabilities (CMC)

Measurement quantity/ Calibration item	Range	Measurement conditions/procedure	Expanded uncertainty of measurement	Remarks
Length cylindrical standards adjusting rings, adjusting mandrels diameter	2 mm to 230 mm	VDI/VDE/DGQ 2618, page 4.1:2006	$0.9 \mu\text{m} + 13 \cdot 10^{-6} \cdot d$	d = measured diameter
roundness deviation	to 40 μm		0.4 μm	diameter: 2 mm to 230 mm axial length: to 200 mm
straightness deviation of the surface line	to 40 μm		1.2 μm	axial length: to 200 mm
parallelism deviation of the surface lines	to 40 μm		$1.3 \mu\text{m} + 1.0 \cdot 10^{-6} \cdot d$	d = measured diameter 2 mm $\leq d \leq$ 100 mm axial length: to 200mm
			1.4 μm	100 mm $\leq d \leq$ 230 mm axial length: to 200 mm
taper standards and taper gauges diameter	2 mm to 230 mm	VDI/VDE/DGQ 2618, page 4.12:2007	$1.1 \mu\text{m} + 13 \cdot 10^{-6} \cdot d$	d = measured diameter
diameter in the reference planes			$2.4 \mu\text{m} + 31 \mu\text{m} \cdot 10^{-3} \cdot m / l$	l = distance between the measuring levels in m
taper angle			$0.001^\circ + 0.13^\circ \cdot 10^{-3} \cdot m / l$	l = distance between the measuring levels in m
roundness deviation	to 40 μm		$0.4 + 3 \cdot 10^{-6} \cdot d$	d is the larger diameter
straightness deviation	to 40 μm		1.3 μm	

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Abbreviations used:

CMC	Calibration and measurement capabilities (Kalibrier- und Messmöglichkeiten)
DIN	Deutsches Institut für Normung e.V.
VDE	Verband der Elektrotechnik, Elektronik und Informationstechnik e.V.
VDI	Verein Deutscher Ingenieure e.V.

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