

## Deutsche Akkreditierungsstelle

### Annex to the Accreditation Certificate D-K-15093-01-00 according to DIN EN ISO/IEC 17025:2018

**Valid from:** 06.06.2024

**Date of issue:** 06.06.2024

Holder of accreditation certificate:

**Coesfeld GmbH & Co. KG**  
**Tronjestraße 8, 44319 Dortmund**

with the location

**Coesfeld GmbH & Co. KG**  
**Tronjestraße 8, 44319 Dortmund**

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.

*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-15093-01-00**

Calibration in the fields:

**Mechanical Quantities**

**Material Testing Machines (MTM)**

- Force (MTM) <sup>a)</sup>
- Extension (MTM) <sup>a)</sup>
- Temperature (MTM) <sup>a)</sup>

<sup>a)</sup> also On-site-Calibration

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**Permanent Laboratory and On-site Calibration**

**Calibration and Measurement Capabilities (CMC)**

Measurement quantity / Calibration item	Range	Measurement conditions / procedure	Expanded uncertainty of measurement	Remarks
<b>Force (MTM)</b> Loading system for Material Testing Machines	0.1 N to 50 N	Comparison measurement mass pieces class F1  KA_aB-01, Rev. 3 (06-2019) KA_aB-04, Rev. 1 (06-2019)	0.1 %, but not < 35 mN	devices to determine the Vicat-softening temperature (VST) HDT- Heat-distortion temperature according to DIN EN ISO 306, DIN EN ISO 75 devices to determine the Bend-creep-stiffness according to DIN EN 14771
		Analysis scale: d = 1 mg  KA_aB-03, Rev. 1 (06-2019)	0.1 mN	devices to determine the cone penetration / needle penetration according to DIN EN 1426, DIN ISO 2137 d: scale interval
<b>Extension (MTM)</b> Length variation measuring device for Material Testing Machines	0.5 mm to 47 mm	Comparison measurement with ceramic length standard class 0 KA_aB-01, Rev. 3 (06-2019) KA_aB-03, Rev. 1 (06-2019) KA_aB-04, Rev. 1 (06-2019)	$1.5 \cdot 10^{-3} \cdot l$ , but not < 6 $\mu$ m	l: measured extension
<b>Temperature (MTM)</b> Temperature-measuring device for Material Testing Machines to determine the Vicat-Softening-and Heat-distortion temperature according to DIN EN ISO 306 and DIN EN ISO 75 as measuring chain	20 °C to 300 °C	KA_aB-01, Rev. 3 (06-2019)	0.4 K	Comparison measurement in oil baths
	30 °C to 300 °C	KA_aB-02, Rev. 2 (06-2019)	0.5 K	Comparison measurement in calibration block
<b>Temperature (MTM)</b> Resistance thermometers sensors for temperature chambers of Material Testing Machines (tear and fatigue analyser, creep rupture strength analyser, drop bolt) as measuring chain	-40 °C to 20 °C	KA_aB-04, Rev. 1 (06-2019)	0.2 K	Comparison measurement in ethanol baths
	20 °C to 300 °C	KA_aB-01, Rev. 3 (06-2019)	0.4 K	Comparison measurement in oil baths
	30 °C to 300 °C	KA_aB-02, Rev. 2 (06-2019)	0.5 K	Comparison measurement in calibration block

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**Abbreviations used:**

CMC	Calibration and measurement capabilities (Kalibrier- und Messmöglichkeiten)
HDT	Heat-distortion temperature
KA	Calibration Guide of Coesfeld GmbH & Co. KG
VST	Vicat-softening temperature

Valid from: 06.06.2024

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