

## Deutsche Akkreditierungsstelle GmbH

**Entrusted according to Section 8 subsection 1 AkkStelleG in connection with Section 1 subsection 1 AkkStelleGBV**

Signatory to the Multilateral Agreements of EA, ILAC and IAF for Mutual Recognition

# Accreditation



The Deutsche Akkreditierungsstelle GmbH attests that the calibration laboratory

**Materialprüfanstalt für das Bauwesen (MPA BS)**  
**Beethovenstraße 52, 38106 Braunschweig**

is competent under the terms of DIN EN ISO/IEC 17025:2018 to carry out calibrations in the following fields:

### **Mechanical quantities**

#### **Material testing machines (MTM)**

- **Force (MTM)** <sup>a)</sup>
- **Extension (MTM)** <sup>b)</sup>

<sup>a)</sup> only On-site Calibrations

<sup>b)</sup> also On-Site Calibrations

The accreditation certificate shall only apply in connection with the notice of accreditation of 15.07.2022 with the accreditation number D-K-11267-01. It comprises the cover sheet, the reverse side of the cover sheet and the following annex with a total of 2 pages.

Registration number of the certificate: **D-K-11267-01-00**

Berlin,  
15.07.2022

Dipl.-Wirtsch.-Ing. (BA) Tim Harnisch  
Head of Technical Unit

Translation issued:  
26.07.2022



Head of Technical Unit

*The certificate together with the annex 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/en/accredited-bodies-search.html>.*

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

See notes overleaf.

## Deutsche Akkreditierungsstelle GmbH

### Annex to the Accreditation Certificate D-K-11267-01-00 according to DIN EN ISO/IEC 17025:2018

Valid from: 15.07.2022

Date of issue: 15.07.2022

Holder of certificate:

**Materialprüfanstalt für das Bauwesen (MPA BS)**  
**Beethovenstraße 52, 38106 Braunschweig**

Calibration in the fields:

**Mechanical quantities**

**Material testing machines (MTM)**

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

<sup>a)</sup> only On-site Calibrations

<sup>b)</sup> also On-Site Calibrations

The calibration laboratory is permitted, without being required to inform and obtain prior approval from DAkkS, to use calibration standards or equivalent calibration procedures listed here with different issue dates.

The calibration laboratory maintains a current list of all calibration standards / equivalent calibration procedures within the flexible scope of accreditation.

*The management system requirements of DIN EN ISO/IEC 17025 are written in the language relevant to the operations of calibration laboratories. Laboratories that conform to the requirements of this standard, operate generally in accordance with the principles of DIN EN ISO 9001.*

*The certificate together with the annex 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/en/accredited-bodies-search.html>.*

Abbreviations used: see last page

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**Annex to the accreditation certificate D-K-11267-01-00**

**Permanent Laboratory**

**Calibration and Measurement Capabilities (CMC)**

Measurement quantity / Calibration item	Range	Measurement conditions / procedure	Expanded measurement of uncertainty	Remarks
<b>Extension (MTM)</b> displacement transducer without indicator	0.1 mm to 200 mm	DIN EN ISO 9513: 2013-05	$3 \cdot 10^{-3} \cdot l$ , but not smaller than 2 $\mu\text{m}$	Measuring principle: incremental $l$ = measured extension

**On-site Calibration**

**Calibration and Measurement Capabilities (CMC)**

Measurement quantity / Calibration item	Range	Measurement conditions / procedure	Expanded measurement of uncertainty	Remarks
<b>Force (MTM)</b> Force measuring device for Material Testing Machines according to DIN 51220:2003	4 kN to 500 kN	DIN EN ISO 7500-1:2018-06	0.12 %	Force transducer (Class 0.5) tensile
	4 kN to 5 MN	DIN EN ISO 7500-1 Sheet 1:2022-06 Sheet 2:2022-06 Sheet 3:1999-11 Sheet 4:2013-03 DIN 51302-2:2000-12 DIN EN 12390-4: 2020-4	0.12 %	Force transducer (Class 0.5) compression
<b>Extension (MTM)</b> Length variation measuring device for Material Testing Machines according to DIN 51220:2003	0.1 mm to 200 mm	DIN EN ISO 9513: 2013-05	$1.5 \cdot 10^{-3} \cdot l$ , but not smaller than 0.6 $\mu\text{m}$	Measuring principle: incremental $l$ = measured extension

**Abbreviations used:**

CMC            Calibration and measurement capabilities