Deutsche Akkreditierungsstelle

Annex to the Partial Accreditation Certificate D-K-11190-02-01 according to DIN EN ISO/IEC 17025:2018

Valid from: **29.09.2023**

Date of issue: 22.11.2023

This annex is a part of the accreditation certificate D-K-11190-02-00.

Holder of partial accreditation certificate:

TÜV SÜD Rail GmbH, Prüfstelle Schienenfahrzeuge
Colditzstraße 28, 12009 Berlin

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 confirm generally with the principles of DIN EN ISO 9001.

Kalibrierungen in den Bereichen:

Mechanical quantities

- **Force**

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.

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

Permanent Laboratory

Calibration and Measurement Capabilities (CMC)

Measured quantity / Calibration item	Range	Measurement conditions / procedure	Expanded measurement uncertainty	Remarks
Force		TR_CC_P_2200 Kalibrierung Messradsatz Rev. 3		unique instrumented wheelsets for railway measurement
compressive force (vertical)	0 to 40 kN		1.5 %	
compressive force (horizontal)	0 to 80 kN		1.0 %	

Abbreviations used:

Verwendete Abkürzungen:

CMC	Calibration and measurement capabilities (Kalibrier- und Messmöglichkeiten)
TR_CC_P_	internal calibration procedure of TÜV SÜD Rail GmbH