DAkkS
Deutsche
Akkreditierungsstelle

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 testing laboratory

Schenck RoTec GmbH
Prüflabor für Auswuchttechnik
Landwehrstraße 55, 64293 Darmstadt

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

Geometry, mass and unbalance of working standards for unbalance measurement rotation speed and vibration velocity of unbalance measuring and spin test systems as well as unbalance measurements in balancing machinery and equipment each including on-site testing

The accreditation certificate shall only apply in connection with the notice of accreditation of 17.06.2021 with the accreditation number D-PL-17225-01. It comprises the cover sheet, the reverse side of the cover sheet and the following annex with a total of 3 pages.

Registration number of the certificate: **D-PL-17225-01-00**

Frankfurt am Main, 17.06.2021	Dipl.-Ing. (FH) Ralf Egner Head of Division	Translation issued: 17.06.2021	Head of Division

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 may be found respectively in the database of accredited bodies of Deutsche Akkreditierungsstelle GmbH https://www.dakks.de/en/content/accredited-bodies-dakks.

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

See notes overleaf.

Deutsche Akkreditierungsstelle GmbH

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Spittelmarkt 10
10117 Berlin

Office Frankfurt am Main
Europa-Allee 52
60327 Frankfurt am Main

Office Braunschweig
Bundesallee 100
38116 Braunschweig

The accreditation was granted pursuant to the Act on the Accreditation Body (AkkStelleG) of 31 July 2009 (Federal Law Gazette I p. 2625) and the Regulation (EC) No 765/2008 of the European Parliament and of the Council of 9 July 2008 setting out the requirements for accreditation and market surveillance relating to the marketing of products (Official Journal of the European Union L 218 of 9 July 2008, p. 30). DAkkS is a signatory to the Multilateral Agreements for Mutual Recognition of the European co-operation for Accreditation (EA), International Accreditation Forum (IAF) and International Laboratory Accreditation Cooperation (ILAC). The signatories to these agreements recognise each other's accreditations.

The up-to-date state of membership can be retrieved from the following websites:
EA: www.european-accreditation.org
ILAC: www.ilac.org
IAF: www.iaf.nu

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Annex to the Accreditation Certificate D-PL-17225-01-00 according to DIN EN ISO/IEC 17025:2018

Valid from: **17.06.2021**

Date of issue: 17.06.2021

Holder of certificate:

Schenck RoTec GmbH
Prüflabor für Auswuchttechnik
Landwehrstraße 55, 64293 Darmstadt

Tests in the fields:

Geometry, mass and unbalance of working standards for unbalance measurement rotation speed and vibration velocity of unbalance measuring and spin test systems as well as unbalance measurements in balancing machinery and equipment each including on-site testing

Within the scope of accreditation marked with *), 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 testing 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.
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Abbreviations used: see last page

Testing Field	Standard/ In-House Procedere/ Version	Title of Standard or In-House Procedere (Deviations / Modifications of Standard)	Test Range/ Restrictions
Machinery	ISO 21940-21:2012-07*	Mechanical vibration – Rotor balancing – Part 21: Description and Evaluation of Balancing machines	Geometry
	SAE ARP 4162:2017-03*	Balancing machine proving rotors	
	ISR BS 100:2019-01	Working standards for balancing technique: Determination of geometric properties	
Machinery	ISO 21940-21:2012-07*	Mechanical vibration – Rotor balancing – Part 21: Description and Evaluation of Balancing machines	Mass
	SAE ARP 4162:2017-03*	Balancing machine proving rotors	
	ISR BS 200:2019-01	Working standards for balancing technique: Determination of mass	
Machinery	ISO 21940-21:2012-07*	Mechanical vibration – Rotor balancing – Part 21: Description and Evaluation of Balancing machines	Unbalance
	SAE ARP 4162:2017-03*	Balancing machine proving rotors	
	ISR BS 300:2019-01	Working standards for balancing technique: Determination of unbalance properties	
Machinery	ISR BS 400:2019-01	Unbalance measuring and spin tester systems: Determination of rotational speed	Rotation Speed
Machinery	ISR BS 500:2019-01	Machines and equipment for balancing technique: Determination of the vibration velocity	Vibration Velocity

Testing Field	Standard/ In-House Procedere/ Version	Title of Standard or In-House Procedere (Deviations / Modifications of Standard)	Test Range/ Restrictions
Machinery	ISO 21940-21:2012-07*	Mechanical vibration – Rotor balancing – Part 21: Description and Evaluation of Balancing machines	Unbalance Measurement System
	SAE AS 8617:2020-08*	Balancing Machines – Verification Test Requirements	
	SAE ARP 4048:2020-05*	Balancing machines – Description and evaluation Horizontal, two-plane, hard-bearing type for gas turbine rotors	
	SAE ARP 4050:2017-02*	Balancing machines – Description and evaluation Vertical, two-plane, hard-bearing type for gas turbine rotors	
	SAE ARP 5323:2017-02*	Balancing machines – Description and evaluation Vertical, single-plane, hard-bearing type for gas turbine rotors	
	SAE ARP 6217:2020-05*	Balancing machines – Description and evaluation Vertical, single-plane, non-rotating type for gas turbine rotors	
	ISR BS 600:2020-11	Machines and equipment for balancing technique: Test of the unbalance measuring system	

Abbreviations used:

ISO	International Organization for Standardization
SAE AS	Society of Automotive Engineers Aerospace Standard
SAE ARP	Society of Automotive Engineers Aerospace Recommended Practice
ISR BS	International Schenck RoTec Balancing Standard