

## 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

**IFF Engineering & Consulting GmbH**  
**Anton-Zickmantel-Straße 50, 04249 Leipzig**

is competent under the terms of DIN EN ISO/IEC 17025:2005 to carry out tests in the following fields:

**Static and dynamic strength tests at railway-specific components; impact tests of passenger and freight wagons; bogie frame tests; testing of buffers and draw gear and their components**

The accreditation certificate shall only apply in connection with the notice of accreditation of 09.06.2016 with the accreditation number D-PL-11332-01 and is valid until 08.06.2021. 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-PL-11332-01-00**

Berlin,  
09.06.2016

Dr. Heike Manke  
Head of Division

Translation issued:  
01.07.2016

  
Head of Division

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

See notes overleaf.

# Deutsche Akkreditierungsstelle GmbH

Office Berlin  
Spittelmarkt 10  
10117 Berlin

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

Office Braunschweig  
Bundesallee 100  
38116 Braunschweig

The publication of extracts of the accreditation certificate is subject to the prior written approval by Deutsche Akkreditierungsstelle GmbH (DAkKS). Exempted is the unchanged form of separate disseminations of the cover sheet by the conformity assessment body mentioned overleaf.

No impression shall be made that the accreditation also extends to fields beyond the scope of accreditation attested by DAkKS.

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](http://www.european-accreditation.org)

ILAC: [www.ilac.org](http://www.ilac.org)

IAF: [www.iaf.nu](http://www.iaf.nu)

# Deutsche Akkreditierungsstelle GmbH

## Annex to the Accreditation Certificate D-PL-11332-01-00 according to DIN EN ISO/IEC 17025:2005

Period of validity: 09.06.2016 to 08.06.2021

Date of issue: 09.06.2021

Holder of certificate:

**IFF Engineering & Consulting GmbH**  
**Anton-Zickmantel-Straße 50, 04249 Leipzig**

Tests in the fields:

**Static and dynamic strength tests at railway-specific components; impact tests of passenger and freight wagons; bogie frame tests; testing of buffers and draw gear and their components**

Abbreviations used: see last page

### **1 Structural strength tests on rail vehicles**

DIN EN 12663-1 2015-03	Railway applications - Structural requirements of railway vehicle bodies - Part 1: Locomotives and passenger rolling stock (and alternative method for freight wagons) <i>(section 8)</i>
Din EN 12663-2 2010-07	Railway applications - Structural requirements of railway vehicle bodies - Part 2: Freight wagons <i>(section 5 to 9)</i>
UIC-Kodex 566 1990-01	Loadings of coach bodies and their components
UIC-Kodex 577 2012-01	Wagon stresses

## 2 Bogie frame tests

DIN EN 13749 2011-06	Railway applications - Wheelsets and bogies - Method of specifying the structural requirements of bogie frames ( <i>section 6.2.3 und 6.2.4 and Annex C, F, G</i> )
UIC-Kodex 510-3 1994-07	Wagons - Strength testing of 2 and 3-axle bogies on test rig
UIC-Kodex 515-4 1993-01	Passenger rolling stock - Trailer bogies - Running gear - Bogie frame structure strength tests
UIC-Kodex 615-4 2003-02	Motive power units - Bogies and running gear - Bogie frame structure strength tests

## 3 Tests of buffers and draw gear and their components

prDIN EN 15551 2013-05	Railway applications - Railway rolling stock - Buffers ( <i>Annex B, C, D, E, F, G, J</i> )
prDIN EN 15566 2011-02	Railway applications - Railway rolling stock - Draw gear and screw coupling ( <i>Annex E.3.4, E.6.2, E.6.3, F.4.5, F.8.7, F.8.7.3, G.1.4, G.1.5, G.2.2, G.2.3</i> )
ERRI B 51/RP 27 1995-07	Design and testing of new drawgear for wagons
ERRI B 51/RP 28 1995-09	Testing the service life of hydro dynamic and hydrostatic coach buffers
UIC-Kodex 526-1 2008-07	Wagons - Buffers with a stroke of 105 mm

### verwendete Abkürzungen:

DIN	Deutsches Institut für Normung e.V.
EN	Europäische Norm
ERRI	Europäisches Eisenbahn-Forschungsinstitut
UIC	Internationaler Eisenbahnverband