

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

Ingenieurbüro F. Braun GbR
Gewerbestraße 4, 57258 Freudenberg

at the locations:

Gewerbestraße 4, 57258 Freudenberg
Werner-von-Siemens-Straße 16, 76694 Forst

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

manual non-destructive testing (radiographic testing, ultrasonic testing, penetrant testing, magnetic particle testing, leak testing and visual testing) of metallic components in plant engineering and construction


The accreditation certificate shall only apply in connection with the notice of accreditation of 19.10.2021 with the accreditation number D-PL-18631-01. It comprises the cover sheet, the reverse side of the cover sheet and the following annex with a total of 5 pages.

Registration number of the certificate: **D-PL-18631-01-00**

Frankfurt am Main,
19.10.2021

Dipl.-Ing. (FH) Ralf Egnér
Head of Division

Translation issued:
07.12.2021


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

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

ILAC: www.ilac.org

IAF: www.iaf.nu

Deutsche Akkreditierungsstelle GmbH

Annex to the Accreditation Certificate D-PL-18631-01-00 according to DIN EN ISO/IEC 17025:2018

Valid from: **19.10.2021**

Date of issue: 07.12.2021

Holder of certificate:

Ingenieurbüro F. Braun GbR
Gewerbestraße 4, 57258 Freudenberg

at the locations:

Gewerbestraße 4, 57258 Freudenberg
Werner-von-Siemens-Straße 16, 76694 Forst

Tests in the fields:

manual non-destructive testing (radiographic testing, ultrasonic testing, penetrant testing, magnetic particle testing, leak testing and visual testing) of metallic components in plant engineering and construction

The testing laboratory is permitted, without being required to inform and obtain prior approval from DAkkS, to use standards or equivalent testing methods listed here with different issue dates. The testing laboratory maintains a current list of all testing methods within the flexible scope of accreditation.

The procedures are marked with the following symbols of the sites where they are carried out:

Fr = Freudenberg Fo = Forst

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.
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/content/accredited-bodies-dakks>.*

Abbreviations used: see last page

Page 1 of 5

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

Annex to the accreditation certificate D-PL-18631-01-00

1 Radiographic testing

ISO 4993 2009-03	Steel and iron castings - Radiographic testing <i>(withdrawn document)</i>	Fr, Fo
DIN EN ISO 17636-1 2013-05	Non-destructive testing of welds - Radiographic testing - Part 1: X- and gamma-ray techniques with film	Fr, Fo
DIN EN 12681 2018-02	Founding - Radiographic testing - Part 1: Film techniques	Fr, Fo
DIN EN ISO 5579 2014-04	Non-destructive testing - Radiographic testing of metallic materials using film and X- or gamma rays - Basic rules	Fr, Fo
ASTM E 94 / E 94M 2017	Standard Guide for Radiographic Examination Using Industrial Radiographic Film	Fr, Fo
ASTM E 1030 / E 1030M 2015	Standard Practice for Radiographic Examination of Metallic Castings	Fr, Fo

2 Ultrasonic testing

DIN EN ISO 10893-8 2011-07	Non-destructive testing of steel tubes - Part 8: Automated ultrasonic testing of seamless and welded steel tubes for the detection of laminar imperfections	Fr
DIN EN ISO 10893-10 2011-07	Non-destructive testing of steel tubes - Part 10: Automated full peripheral ultrasonic testing of seamless and welded (except submerged arc-welded) steel tubes for the detection of longitudinal and/or transverse imperfections	Fr
DIN EN ISO 17640 2018-03	Non-destructive testing of welds - Ultrasonic testing - Techniques, testing levels, and assessment <i>(here: chapter 7-10 and Annex A)</i>	Fr
DIN EN 10228-3 2016-10	Non-destructive testing of steel forgings - Part 3: Ultra- sonic testing of ferritic or martensitic steel forgings	Fr

Valid from: 19.10.2021
Date of issue: 07.12.2021

Annex to the accreditation certificate D-PL-18631-01-00

DIN EN 10228-4 2016-10	Non-destructive testing of steel forgings - Part 4: Ultrasonic testing of austenitic and austenitic-ferritic stainless steel forgings	Fr
DIN EN 10307 2002-03	Non-destructive testing - Ultrasonic testing of austenitic and austenitic-ferritic stainless steels flat products of thickness equal to or greater than 6 mm (reflection method)	Fr
DIN EN 10308 2002-03	Non-destructive testing - Ultrasonic testing of steel bars	Fr
DIN EN 12680-1 2003-06	Founding - Ultrasonic examination - Part 1: Steel castings for general purposes	Fr
DIN EN 12680-2 2003-06	Founding - Ultrasonic examination - Part 2: Steel castings for highly stressed components	Fr
DIN EN 12680-3 2012-02	Founding - Ultrasonic testing - Part 3: Spheroidal graphite cast iron castings	Fr
DIN EN ISO 17405 2014-10	Non-destructive testing - Ultrasonic testing - Technique of testing claddings produced by welding, rolling and explosion	Fr
DIN EN 10160 1999-09	Ultrasonic testing of steel flat product of thickness equal to or greater than 6 mm (reflection method)	Fr
3 Penetrant testing		
DIN EN ISO 3452-1 2014-09	Non-destructive testing - Penetrant testing - Part 1: General principles (here: <i>chapter 8</i>)	Fr
ISO 4987 2010-03	Steel castings - penetrant testing	Fr
DIN EN 1371-1 2012-02	Founding - Liquid penetrant testing - Part 1: Sand, gravity die and low pressure die castings	Fr

Annex to the accreditation certificate D-PL-18631-01-00

DIN EN 1371-2 2015-04	Founding - Liquid penetrant testing - Part 2: Investment castings	Fr
DIN EN 10228-2 2016-10	Non-destructive testing of steel forgings - Part 2: Penetrant testing	Fr
DIN EN ISO 10893-4 2011-07	Non-destructive testing of steel tubes - Part 4: Liquid penetrant inspection of seamless and welded steel tubes for the detection of surface imperfections	Fr

4 Magnetic particle testing

ISO 4986 2010-03	Steel and iron castings - Magnetic particle testing	Fr
DIN EN ISO 17638 2017-03	Non-destructive testing of welds - Magnetic particle testing	Fr
DIN EN ISO 9934-1 2017-03	Non-destructive testing - Magnetic particle testing - Part 1: General principles (here: <i>chapter 7-14</i>)	Fr
DIN EN 10228-1 2016-10	Non-destructive testing of steel forgings - Part 1: Magnetic particle inspection	Fr
DIN EN ISO 10893-5 2011-07	Non-destructive testing of steel tubes - Part 5: Magnetic particle inspection of seamless and welded ferromagnetic steel tubes for the detection of surface imperfections	Fr
DIN EN 1369 2013-01	Founding - Magnetic particle testing	Fr

5 Leak testing

DIN EN 1593 1999-11	Non-destructive testing - Leak testing - Bubble emission techniques	Fr
DIN EN 1779 1999-10 Amendment 2005-02	Non-destructive testing - Leak testing - Criteria for the method and technique selection (here: <i>chapter 7</i>)	Fr

Valid from: 19.10.2021
Date of issue: 07.12.2021

Annex to the accreditation certificate D-PL-18631-01-00

6 Visual testing

DIN EN ISO 17637
2017-04 Non-destructive testing of welds - Visual testing of fusion-welded joints
(here: *chapter 5 and 6*) Fr

DIN EN 13018
2016-06 Non-destructive testing - Visual testing - General principles
(here: *chapter 5 and 6*) Fr

7 Cross standards for NDT

DIN EN 13445-5
2017-12 Unfired pressure vessels - Part 5: Inspection and testing Fr, Fo

ASME
Latest Edition Boiler and Pressure Vessel Code - Section I Rules for Construction of Power Boilers
Section I Power Boilers
Section V Nondestructive Examination
Section VIII Pressure Vessels, Division 1 and 2
Section IX Welding and Brazing Qualifications Fr, Fo

DVGW-GW 350
2015-06 Welding Joints of Steel Pipelines for Gas and Water Supply - Manufacturing, Testing and Evaluation
(here: *chapters 9.3.2, 9.3.3, 9.3.4 and 9.3.5*) Fr, Fo

Abbreviations used:

- ASME American Society of Mechanical Engineers
- ASTM American Society for Testing and Materials
- DIN German Institute for Standardization
- DVGW German association of gas- and water industry
- EN European Standard
- IEC International Electrotechnical Commission
- ISO International Organization for Standardization