

Deutsche Akkreditierungsstelle GmbH

Annex to the Accreditation Certificate D-PL-11340-01-00 according to DIN EN ISO/IEC 17025:2018

Valid from: 23.03.2021

Date of issue: 11.08.2022

Holder of certificate:

CCK Ingenieurbüro GmbH
Gewerbestraße 5, 26349 Jaderberg

Tests in the fields:

manual non-destructive tests (radiographic-, ultrasonic-, eddy current-, magnetic particle-, penetrant- and visual testing), digital radiography at metallic and non metallic materials as well as mobile hardness testing at metallic materials ¹

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.

¹ Tests conducted on site as well as within the laboratory facilities

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-11340-01-00

1 Radiographic testing

DIN EN ISO 17636-1 2013-05	Non-destructive testing of welds - Radiographic testing - Part 1: X- and gamma-ray techniques with film
DIN EN ISO 17636-2 2013-05	Non-destructive testing of welds - Radiographic testing - Part 2: X- and gamma-ray techniques with digital detectors
DIN EN 12681-1 2018-02	Founding - Radiographic testing - Part 1: Film techniques
DIN EN 12681-2 2018-02	Founding - Radiographic testing - Part 2: Techniques with digital detectors
DIN 85004-9 2008-12	Pipelines of copper-nickel-alloys - Part 9: General principles for the radiographic examination
AD 2000 Merkblatt HP 5/3 Anlage 1 2015-04	Manufacture and testing of joints - Non-destructive testing of welded joints (here: <i>Radiographic testing</i>)

2 Ultrasonic testing

DIN EN ISO 16826 2014-06	Non-destructive testing - Ultrasonic testing - Examination for discontinuities perpendicular to the surface
DIN EN ISO 17640 2019-02	Non-destructive testing of welds - Ultrasonic testing - Techniques, testing levels, and assessment
DIN EN 10160 1999-09	Ultrasonic testing of steel flat product of thickness equal to or greater than 6 mm (reflection method)
DIN EN 10228-3 2016-10	Non-destructive testing of steel forgings - Part 3: Ultrasonic testing of ferritic or martensitic steel forgings
DIN EN 10228-4 2016-10	Non-destructive testing of steel forgings - Part 4: Ultrasonic testing of austenitic and austenitic-ferritic stainless steel forgings
DIN EN 12680-3 2012-02	Founding - Ultrasonic testing - Part 3: Spheroidal graphite cast iron castings
DIN EN ISO 16809 2020-02	Non-destructive testing - Ultrasonic thickness measurement

Valid from: 23.03.2021
Date of issue: 11.08.2022

Annex to the accreditation certificate D-PL-11340-01-00

AD 2000-Merkblatt HP 5/3 Anlage 1 2015-04	Manufacture and testing of joints - Non-destructive testing of welded joints (here: <i>Ultrasonic testing</i>)
SEP 1916 1989-12	Non-destructive testing of fusion welded ferritic steel tubes
SEP 1917 1994-09	Non-destructive testing of resistance welded pipes of ferritic steels
SEP 1920 1984-12	Ultrasonic testing of rolled semi-finished products on internal material discontinuities
SEP 1923 2009-02	Ultrasonic testing of steel forgings to stringent standards, in particular for components in turbine and generator systems

3 Magnetic particle testing

DIN EN ISO 9934-1 2017-03	Non-destructive testing - Magnetic particle testing - Part 1: General principles (here: <i>chapters 7-14</i>)
DIN EN ISO 17638 2017-03	Non-destructive testing of welds - Magnetic particle testing
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
DIN EN 10228-1 2016-10	Non-destructive testing of steel forgings - Part 1: Magnetic particle inspection
AD 2000-Merkblatt HP 5/3 Anlage 1 2015-04	Manufacture and testing of joints - Non-destructive testing of welded joints (here: <i>Magnetic particle testing</i>)
DIN EN 1369 2013-01	Founding - Magnetic particle testing

Annex to the accreditation certificate D-PL-11340-01-00

4 Penetrant testing

DIN EN ISO 3452-1 2014-09	Non-destructive testing - Penetrant testing - Part 1: General principles
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
DIN EN 1371-1 2012-02	Founding - Liquid penetrant testing - Part 1: Sand, gravity die and low pressure die castings
DIN EN 10228-2 2016-10	Non-destructive testing of steel forgings - Part 2: Penetrant testing
AD 2000-Merkblatt HP 5/3 Anlage 1 2015-04	Manufacture and testing of joints - Non-destructive testing of welded joints (here: <i>Penetrant testing</i>)

5 Visual testing

DIN EN ISO 17637 2017-04	Non-destructive testing of welds - Visual testing of fusion-welded joints
DIN EN 13018 2016-06	Non-destructive testing - Visual testing - General principles

6 Mobile hardness testing

DIN EN ISO 16859-1 2016-02	Metallic materials - Leeb hardness test - Part 1: Test method
DIN 50159-1 2015-01	Metallic materials - Hardness testing with the UCI method - Part 1: Test method

7 Eddy current testing

DIN EN ISO 15549 2019-10	Non-destructive testing - Eddy current testing - General principles
-----------------------------	---

Annex to the accreditation certificate D-PL-11340-01-00

DIN EN ISO 17643
2015-12

Non-destructive testing of welds - Eddy current examination of
welds by complex plane analysis

Abbreviations used:

AD HP Working group of pressure vessels - Production and testing
DIN German Institute for Standardization
EN European Standard
IEC International Electrotechnical Commission
ISO International Organisation for Standardisation
SEP Steel and iron test sheet of the Association of German Steel Institute