

Deutsche Akkreditierungsstelle GmbH

Annex to the Accreditation Certificate D-PL-17161-01-00 according to DIN EN ISO/IEC 17025:2018

Valid from: 08.03.2021Date of issue: 24.08.2023

Holder of certificate:

J & L Zerstörungsfreie Werkstoffprüfung GmbH Friedrich-Ebert-Straße 75, 51429 Bergisch Gladbach

Tests in the fields:

manual nondestructive test methods (radiographic-, ultrasonic-, magnetic particle-, penetration-, visual testing) of metallic materials in the metal production and metalworking industry as well as in the plant engineering

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

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

Abbreviations used: see last page



1 Radiographic testing

DIN EN ISO 5579 Non-destructive testing - Radiographic testing of metallic materials

2014-04 using film and X- or gamma rays - Basic rules

DIN EN ISO 17636-1 Non-destructive testing of welds - Radiographic testing - Part 1:

2013-05 X- and gamma-ray techniques with film

DIN EN 12681-1 Founding - Radiographic testing - Part 1: Film techniques

2018-02

DIN EN ISO 10893-6 Non-destructive testing of steel tubes - Part 6: Radiographic testing

2019-06 of the weld seam of welded steel tubes for the detection of imper-

fections

DIN EN ISO 20769-1 Non-destructive testing - Radiographic inspection of corrosion and

2018-12 deposits in pipes by X- and gamma rays - Part 1: Tangential radio-

graphic inspection

DIN EN ISO 20769-2 Non-destructive testing - Radiographic inspection of corrosion and

2018-12 deposits in pipes by X- and gamma rays - Part 2: Double wall

radiographic inspection

2 Manual ultrasonic testing

DIN EN ISO 17640 Non-destructive testing of welds - Ultrasonic testing - Techniques,

2019-02 testing levels, and assessment

DIN EN 10160 Ultrasonic testing of steel flat product of thickness equal to or

1999-09 greater than 6 mm (reflection method)

DIN EN 10228-3 Non-destructive testing of steel forgings - Part 3: Ultrasonic testing

2016-10 of ferritic or martensitic steel forgings

DIN EN 10228-4 Non-destructive testing of steel forgings - Part 4: Ultrasonic testing

2016-10 of austenitic and austenitic-ferritic stainless steel forgings

DIN EN 12680-1 Founding - Ultrasonic examination - Part 1: Steel castings for

2003-06 general purposes

DIN EN 12680-2 Founding - Ultrasonic examination - Part 2: Steel castings for highly

2003-06 stressed components

DIN EN 12680-3 Founding - Ultrasonic testing - Part 3: Spheroidal graphite cast iron

2012-02 castings

-Translation-



DIN ISO 4386-1 2015-12	Plain bearings - Metallic multilayer plain bearings - Part 1: Non-destructive ultrasonic testing of bond of thickness ≥ 0,5 mm
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)
DIN EN 10308 2002-03	Non-destructive testing - Ultrasonic testing of steel bars
DIN EN ISO 17405 2014-10	Non-destructive testing - Ultrasonic testing - Technique of testing claddings produced by welding, rolling and explosion
SEP 1915 1994-09	Ultrasonic testing of steel pipes for longitudinal defects (withdrawn document)
SEP 1918 1992-01	Ultrasonic testing of steel pipes for teransverse defects (withdrawn document)
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
SEL 072 1977-12	Ultrasonically tested heavy plate - Technical delivery conditions (withdrawn document)

3 Magnetic particle testing

DIN EN ISO 17638 2017-03	Non-destructive testing of welds - Magnetic particle testing
DIN EN 10228-1 2016-10	Non-destructive testing of steel forgings - Part 1: Magnetic particle inspection
DIN EN 1369 2013-01	Founding - Magnetic particle testing
DIN EN ISO 9934-1 2017-03	Non-destructive testing - Magnetic particle testing - Part 1: General principles
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

-Translation-



4 Penetrant testing

DIN EN ISO 3452-1 Non-destructive testing - Penetrant testing - Part 1: General

2014-09 principles

DIN EN 1371-1 Founding - Liquid penetrant testing - Part 1: Sand, gravity die and

2012-02 low pressure die castings

DIN EN 1371-2 Founding - Liquid penetrant testing - Part 2: Investment castings

2015-04

DIN EN 10228-2 Non-destructive testing of steel forgings - Part 2: Penetrant testing

2016-10

DIN EN ISO 3452-5 Non-destructive testing - Penetrant testing - Part 5: Penetrant

2009-04 testing at temperatures higher than 50 °C

DIN EN ISO 3452-6 Non-destructive testing - Penetrant testing - Part 6: Penetrant

2009-04 testing at temperatures lower than 10 °C

DIN EN ISO 10893-4 Non-destructive testing of steel tubes - Part 4: Liquid penetrant

2011-07 inspection of seamless and welded steel tubes for the detection of

surface imperfections

DIN ISO 4386-3 Plain bearings - Metallic multilayer plain bearings - Part 3: Non-

1992-11 destructive penetrant testing

5 Visual testing

DIN EN ISO 17637 Non-destructive testing of welds - Visual testing of fusion-welded

2017-04 joints

DIN EN 1370 Founding - Examination of surface condition

2012-03

DIN EN 13018 Non-destructive testing - Visual testing - General principles

2016-06

-Translation-



6 Cross-process standards (here for the methods RT, UT, MT, PT, VT) *

DIN EN ISO 17635 Non-destructive testing of welds - General rules for metallic

2010-08 materials

ASME BPVC, Section 5 ASME Boiler & Pressure Vessel Code - Section 5: Nondestructive

Edition 2019 Examination

(here: RT, UT, MT, PT, VT)

7 Cross-procedural directives (here for the test methods RT, UT, MT, PT, VT)

DVGW GW 350 Welding Joints of Steel Pipelines for Gas and Water Supply -

2015-06 Manufacturing, Testing and Evaluation

AD 2000-Merkblatt HP 5/3 Non-destructive testing of welded joints - Minimum requirements

Anlage 1 for non-destructive testing methods

2015-04

Abbreviations used:

AD Working group pressure vessels

ASME American Society of Mechanical Engineers
DIN German Institute for Standardization

DVGW German Technical and Scientific Association for Gas and Water, Technical Rules

EN European standard

IEC International Electrotechnical Commission
ISO International Organization for Standardization

MT Magnetic particle testing

PT Penetrant testing RT Radiographic testing

SEL Steel-iron delivery conditions

SEP Steel-iron test sheets
UT Ultrasonic testing
VT Visual testing

ZfP Non-destructive testing

-Translation-