

Visual testing

DIN EN 13018
2016-06

Non-destructive testing - Visual testing - General principles

DIN EN ISO 17637
2017-04

Non-destructive testing of welds - Visual testing of fusion-welded joints

DIN EN 1370
2012-03

Founding - Examination of surface condition

Penetrant testing

DIN EN 3452-1
2022-02

Non-destructive testing - Penetrant testing - Part 1: General principles

DIN EN 10228-2
2016-10

Non-destructive testing of steel forgings - Part 2: Penetrant testing

DIN EN 1371-1
2012-02

Founding - Liquid penetrant testing - Part 1: Sand, gravity die and low pressure die castings

DIN EN 1371-2
2015-04

Founding - Liquid penetrant testing - Part 2: Investment castings

Magnetic particle testing

DIN EN 9934-1
2017-03

Non-destructive testing - Magnetic particle testing - Part 1: General principles

DIN EN 10228-1
2016-10

Non-destructive testing of steel forgings - Part 1: Magnetic particle inspection

DIN EN ISO 17638
2017-03

Non-destructive testing of welds - Magnetic particle testing

DIN EN 1369
2013-01

Founding - Magnetic particle testing

Tensile testing

DIN EN ISO 6892-1
2020-06

Metallic materials - Tensile testing - Part 1: Method of test at room temperature

DIN EN ISO 4136
2022-09

Destructive tests on welds in metallic materials - Transverse tensile test

DIN EN 5178
2019-05

Destructive tests on welds in metallic materials - Longitudinal tensile test on weld metal in fusion welded joints

Impact test

DIN EN ISO 148-1
2017-05

Metallic materials - Charpy pendulum impact test - Part 1: Test method

Bend testDIN EN ISO 7438
2021-03

Metallic materials - Bend test

DIN EN ISO 5173
2023-05

Destructive tests on welds in metallic materials - Bend tests

Flattening testDIN EN ISO 8492
2014-03

Metallic materials - Tube - Flattening test

Expanding testDIN EN ISO 8493
2004-10

Metallic materials - Tube - Drift-expanding test

Ring expanding test

DIN EN ISO 8495
2014-03

Metallic materials - Tube - Ring-expanding test

Ring tensile test

DIN EN ISO 8496
2014-03

Metallic materials - Tube - Ring tensile test

Fracture test

DIN EN ISO 9017
2018-04

Destructive tests on welds in metallic materials - Fracture test

Hardness test

DIN EN ISO 6506-1
2015-02

Metallic materials - Brinell hardness test - Part 1: Test method

DIN EN ISO 6507-1
2024-01

Metallic materials - Vickers hardness test - Part 1: Test method

DIN EN ISO 6508-1
2024-04

Metallic materials - Rockwell hardness test - Part 1: Test method

DIN EN ISO 9015-1
2011-05

Destructive tests on welds in metallic materials - Hardness testing - Part 1: Hardness test on arc welded joints

DIN EN ISO 9015-2
2016-10

Destructive tests on welds in metallic materials - Hardness testing - Part 2: Microhardness testing of welded joints

DIN EN ISO 18203
2022-07

Steel - Determination of the thickness of surface-hardened layers

**Macroscopic and
microscopic examination**

DIN EN ISO 17639
2022-05

Destructive tests on welds in metallic materials - Macroscopic and microscopic examination of welds

**Optical emission
spectrometry**

AW-Nr. 5
2018-12

Optical spark emission spectrometry (OES) for the determination of 14 elements in steel and iron materials