

**Vernieuwde uitgebrachte EN (ISO) - Lasnormen in België (periode 11-2018 tot 11-2020)**

| Datum   | Oude norm                                 | Nieuwe norm                 | Omschrijving  |
|---------|---|-----------------------------|---|
| 11-2018 | /   | EN ISO 17279-2:2018         | Welding - Micro joining of 2nd generation high temperature superconductors - Part 2: Qualification for welding and testing personnel  |
| 11-2018 | NBN EN ISO 17640:2017                     | EN ISO 17640:2018           | Non-destructive testing of welds - Ultrasonic testing - Techniques, testing levels, and assessment  |
| 01-2019 | NBN EN 1011-3:2001 + A1:2004              | NBN EN 1011-3:2018          | Welding - Recommendations for welding of metallic materials - Part 3: Arc welding of stainless steels   |
| 01-2019 | NBN EN 1011-6:2006                        | NBN EN 1011-6:2018          | Welding - Recommendation for welding of metallic materials - Part 6: Laser beam welding   |
| 01-2019 | NBN EN 1708-2:2000                        | NBN EN 1708-2:2018          | Welding - Basic weld joint details in steel - Part 2: Non internal pressurized components   |
| 01-2019 | /   | NBN EN ISO 20601:2018       | Non-destructive testing of welds - Ultrasonic testing - Use of automated phased array technology for thin-walled steel components   |
| 03-2019 | NBN EN ISO 13588:2012                     | NBN EN ISO 13588:2019       | Non-destructive testing of welds - Ultrasonic testing - Use of automated phased array technology  |
| 03-2019 | NBN EN ISO 5178:2011                      | NBN EN ISO 5178:2019        | Destructive tests on welds in metallic materials - Longitudinal tensile test on weld metal in fusion welded joints  |
| 04-2019 | NBN EN ISO 14731:2007                     | NBN EN ISO 14731:2019       | Welding coordination - Tasks and responsibilities   |
| 04-2019 | NBN EN ISO 17677-1:2009                   | NBN EN ISO 17677-1:2019     | Resistance welding - Vocabulary - Part 1: Spot, projection and seam welding   |
| 04-2019 | NBN EN 50504 EN 2008 (actief tot 11-2021) | NBN EN IEC 60974-14 :2019   | Arc welding equipment - part 14 - calibration validation and consistency testing  |
| 05-2019 | NBN EN 1090-3:2009                        | NBN EN 1090-3:2019          | Execution of steel structures and aluminium structures - Part 3: Technical requirements for aluminium structures  |
| 05-2019 | NBN EN ISO 2553:2014                      | NBN EN ISO 2553:2019        | Welding and allied processes - Symbolic representation on drawings - Welded joints  |
| 06-2019 | NBN EN ISO 14174:2012                     | NBN EN ISO 14174:2019       | Welding consumables - Fluxes for submerged arc welding and electroslag welding - Classification   |
| 06-2019 | NBN EN ISO 24598:2012                     | EN ISO 24598:2019           | Welding consumables - Solid wire electrodes, tubular cored electrodes and electrode-flux combinations for submerged arc welding of creep-resisting steels - Classification              |
| 06-2019 | NBN EN ISO 5171:2010                      | EN ISO 5171:2019            | Gas welding equipment - Pressure gauges used in welding, cutting and allied processes   |
| 07-2019 | NBN EN ISO 15620:2000                     | EN ISO 15620:2019           | Welding - Friction welding of metallic materials  |
| 09-2019 | NBN EN ISO 15614-1:2017                   | EN ISO 15614-1:2017/A1:2019 | Specification and qualification of welding proc for metallic materials - Welding procedure - Part 1: Arc and gas welding of steels and arc welding of nickel and nickel alloys - Amd 1  |
| 10-2019 | NBN EN ISO 15609-1:2004                   | EN ISO 15609-1:2019         | Specification and qualification of welding procedures for metallic materials - Welding procedure specification - Part 1: Arc welding  |
| 10-2019 | NBN EN ISO 15609-2:2001 /A1:2004          | EN ISO 15609-2:2019         | Specification and qualification of welding procedures for metallic materials - Welding procedure specification - Part 2: Gas welding  |
| 10-2019 | NBN EN ISO 3821:2010                      | EN ISO 3821:2019            | Gas welding equipment - Rubber hoses for welding, cutting and allied processes  |
| 10-2019 | NBN EN ISO 18592:2010                     | EN ISO 18592:2019           | Resistance welding - Destructive testing of welds - Method for the fatigue testing of multi-spot-welded specimens   |
| 11-2019 | NBN EN ISO 15607:2004                     | EN ISO 15607:2019           | Specification and qualification of welding procedures for metallic materials - General rules  |
| 11-2019 | NBN EN ISO 6947:2011                      | EN ISO 6947:2019            | Welding and allied processes - Welding positions  |
| 12-2019 | NBN EN ISO 15614-7:2016                   | EN ISO 15614-7:2019         | Specification and qualification of welding procedures for metallic materials - Welding procedure test - Part 7: Overlay welding   |
| 12-2019 | NBN EN ISO 13919-1:1996                   | EN ISO 13919-1:2019         | Electron and laser-beam welded joints - Requirements and recommendations on quality levels for imperfections - Part 1: Steel, nickel, titanium and their alloys                         |
| 04-2020 | /   | EN ISO 21904-1:2020         | Health and safety in welding and allied processes - Equipment for capture and separation of welding fume - Part 1: General requirements   |
| 04-2020 | /   | EN ISO 21904-2:2020         | Health and safety in welding and allied processes - Equipment for capture and separation of welding fume - Part 2: Requirements for testing and marking of separation efficiency        |
| 04-2020 | /   | EN ISO 21904-4:2020         | Health and safety in welding and allied processes - Equipment for capture and separation of welding fume - Part 4: Determination of the minimum air volume flow rate of capture devices |
| 06-2020 | NBN EN ISO 10863:2011                     | EN ISO 10863:2020           | Non-destructive testing of welds - Ultrasonic testing - Use of time-of-flight diffraction technique   |
| 08-2020 | NBN EN ISO 25239-1:2012                   | EN ISO 25239-1:2020         | Friction stir welding - Aluminium - Part 1: Vocabulary (ISO 25239-1:2020)   |
| 08-2020 | NBN EN ISO 25239-2:2012                   | EN ISO 25239-2:2020         | Friction stir welding - Aluminium - Part 2: Design of weld joints (ISO 25239-2:2020)  |
| 08-2020 | NBN EN ISO 25239-3:2012                   | EN ISO 25239-3:2020         | Friction stir welding - Aluminium - Part 3: Qualification of welding operators (ISO 25239-3:2020)   |
| 08-2020 | NBN EN ISO 25239-4:2012                   | EN ISO 25239-4:2020         | Friction stir welding - Aluminium - Part 4: Specification and qualification of welding procedures (ISO 25239-4:2020)  |
| 08-2020 | NBN EN ISO 25239-5:2012                   | EN ISO 25239-5:2020         | Friction stir welding - Aluminium - Part 5: Quality and inspection requirements (ISO 25239-5:2020)  |
| 09-2020 | NBN EN ISO 24034:2010                     | EN ISO 24034:2020           | Welding consumables - Solid wire electrodes, solid wires and rods for fusion welding of titanium and titanium alloys - Classification   |
| 10-2020 | NBN EN ISO 14341:2011                     | EN ISO 14341:2020           | Welding consumables - Wire electrodes and weld deposits for gas shielded metal arc welding of non alloy and fine grain steels - Classification  |
| 10-2020 | NBN EN ISO 15792-1:2008 en A1:2011        | EN ISO 15792-1:2020         | Welding consumables - Test methods - Part 1: Preparation of all-weld metal test pieces and specimens in steel, nickel and nickel alloys   |
| 10-2020 | NBN EN ISO 15792-2:2008                   | EN ISO 15792-2:2020         | Welding consumables - Test methods - Part 2: Preparation of single-run and two-run technique test pieces and specimens in steel   |
| 10-2020 | NBN EN ISO 2560:2010                      | EN ISO 2560:2020            | Welding consumables - Covered electrodes for manual metal arc welding of non-alloy and fine grain steels - Classification   |
| 10-2020 | NBN EN ISO 6847:2013                      | EN ISO 6847:2020            | Welding consumables - Deposition of a weld metal pad for chemical analysis  |
| 11-2020 | NBN EN ISO 7438:2016                      | EN ISO 7438:2020            | Metallic materials - Bend test  |