



SLOVENSKI STANDARD

SIST EN 13445-3:2021/A1:2026

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Nekurjene tlačne posode - 3. del: Konstruiranje - Dopolnilo A1

Unfired pressure vessels - Part 3: Design

Unbefeuerte Druckbehälter - Teil 3: Konstruktion

Récipients sous pression non soumis à la flamme - Partie 3 : Conception

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Pressure vessels

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Unfired pressure vessels - Part 3: Design

Réceptacles sous pression non soumis à la flamme -
Partie 3 : Conception

Unbefeuerte Druckbehälter - Teil 3: Konstruktion

This amendment A1 modifies the European Standard EN 13445-3:2021; it was approved by CEN on 18 August 2025.

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This amendment exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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EN 13445-3:2021/A1:2025 (E)**European foreword**

This document (EN 13445-3:2021/A1:2025) has been prepared by Technical Committee CEN/TC 54 “Unfired pressure vessels”, the secretariat of which is held by BSI.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by May 2026 and conflicting national standards shall be withdrawn at the latest by May 2026.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document has been prepared under a standardization request addressed to CEN by the European Commission. The Standing Committee of the EFTA States subsequently approves these requests for its Member States.

For the relationship with EU Legislation, see informative Annex ZA, which is an integral part of this document.

Any feedback and questions on this document should be directed to the users’ national standards body. A complete listing of these bodies can be found on the CEN website.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

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1 Modifications to the whole document

Replace “Equation (***)” with “Formula (***)” and “Equations (***)” with “Formulae (***)”.

2 Modifications to Clause 2, “Normative references”

Add a reference to EN 12952-3:2022 and replace the references to EN 1990:2002, EN 1991-1-6:2005, EN 1992-1-1:2005, EN 1998-1:2004, EN 10222-1:1998, EN 12195-1:2010, EN 13445-2:2021, EN 13445-4:2021, EN 13555:2014, EN ISO 4014:2011, EN ISO 4016:2011 and EN ISO 15613:2004 with the following:

“

EN 1990:2023, *Eurocode — Basis of structural and geotechnical design*

EN 1991-1-6:2005²⁾, *Eurocode 1 — Actions on structures — Part 1-6: General actions — Actions during execution*

EN 1992-1-1:2023, *Eurocode 2 — Design of concrete structures — Part 1-1: General rules and rules for buildings, bridges and civil engineering structures*

EN 1998-1:2004³⁾, *Design of structures for earthquake resistance — Part 1: General rules, seismic actions and rules for buildings*

EN 10222-1:2017, *Steel forgings for pressure purposes — Part 1: General requirements for open die forgings*

EN 12195-1:2010⁴⁾, *Load restraining on road vehicles — Safety — Part 1: Calculation of securing forces*

EN 12952-3:2022, *Water-tube boilers and auxiliary installations — Part 3: Design and calculation for pressure parts of the boiler*

EN 13445-2:2021+A1:2023, *Unfired pressure vessels — Part 2: Materials*

EN 13445-4:2021+A1:2023, *Unfired pressure vessels — Part 4: Fabrication*

EN 13555:2021, *Flanges and their joints — Gasket parameters and test procedures relevant to the design rules for gasketed circular flange connections*

EN ISO 4014:2022, *Fasteners — Hexagon head bolts — Product grades A and B (ISO 4014:2022)*

EN ISO 4016:2022, *Fasteners — Hexagon head bolts — Product grade C (ISO 4016:2022)*

EN ISO 15613:2004, *Specification and qualification of welding procedures for metallic materials — Qualification based on pre-production welding test (ISO 15613:2004)*

2) EN 1991-1-6:2005 is impacted by the corrigendum EN 1991-1-6:2005/AC:2013.

3) EN 1998-1:2004 is impacted by the stand-alone amendment EN 1998-1:2004/A1:2013.

4) EN 12195-1:2010 is impacted by the corrigendum EN 12195-1:2010/AC:2014.

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