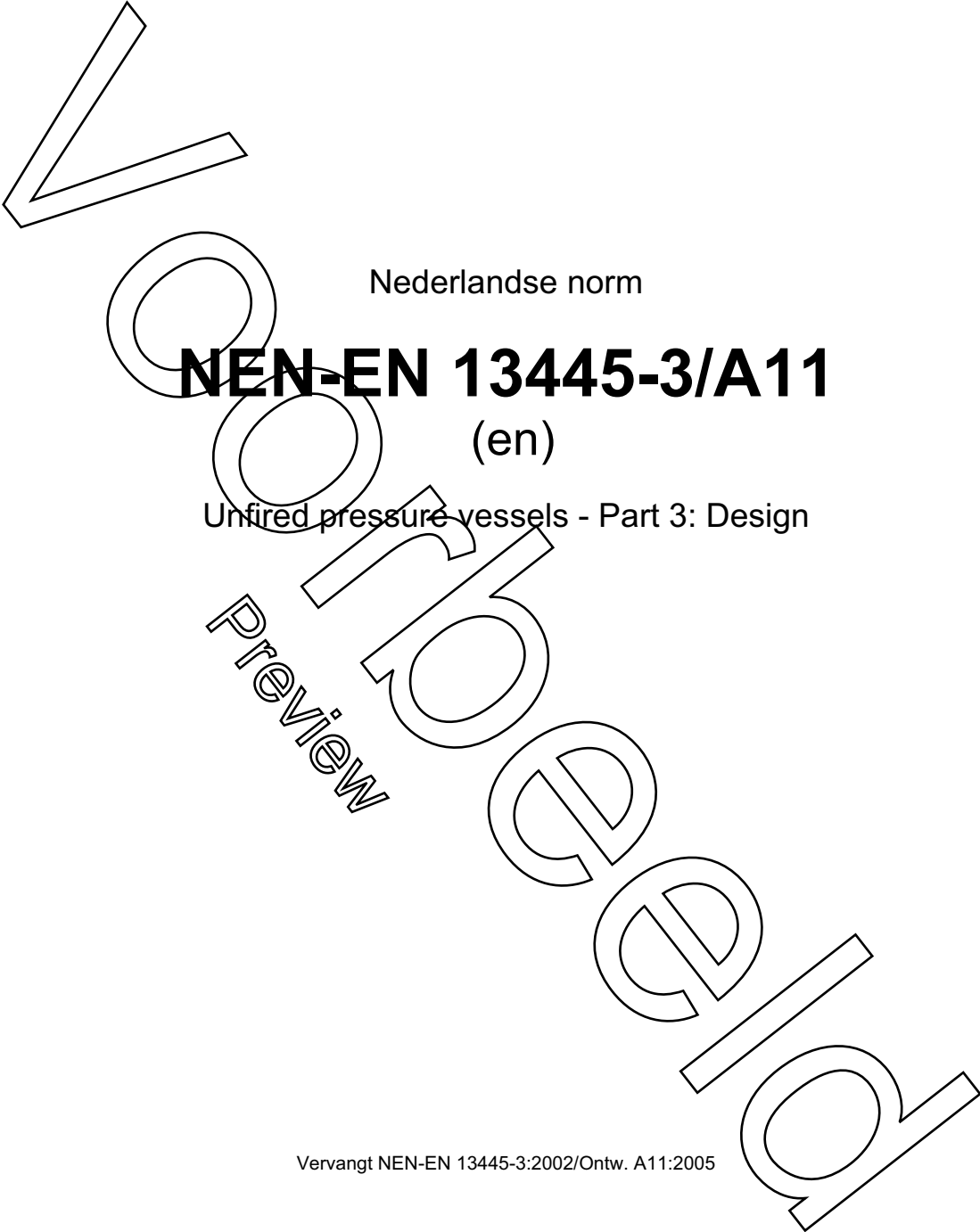


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Nederlandse norm

NEN-EN 13445-3/A11

(en)

Unfired pressure vessels - Part 3: Design

Vervangt NEN-EN 13445-3:2002/Ontw. A11:2005

ICS 23.020.30
januari 2007

Als Nederlandse norm is aanvaard:
- EN 13445-3:2002/A11:2006, IDT

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Normcommissie 341 032 "Drukapparatuur"

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ICS 23.020.30

English Version

Unfired pressure vessels - Part 3: Design

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

Unbefeuerte Druckbehälter - Teil 3: Konstruktion

This amendment A11 modifies the European Standard EN 13445-3:2002; it was approved by CEN on 21 October 2006.

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Copyright
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Foreword

This document (EN 13445-3:2002/A11:2006) has been prepared by Technical Committee CEN/TC 54 "Unfired pressure vessels", the secretariat of which is held by BSI.

This Amendment to the European Standard EN 13445-3:2002 shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by June 2007, and conflicting national standards shall be withdrawn at the latest by June 2007.

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

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For relationship with EU Directive(s), see informative Annex ZA, which is an integral part of this document.

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This amendment is based on EN 13445-3 up to issue 16 (October 2005).

The document includes the text of the amendment itself. The corrected pages of EN 13445-3 will be delivered as issue 24 of the standard.

2 Normative references

Add the following reference:

EN 10222-1:1998, *Steel forgings for pressure purposes — Part 1: General requirements for open die forgings*

5.4 Design methods

5.4.1 General

Replace by:

This Part provides requirements for the design of pressure vessels or pressure vessel parts using design by formulae (DBF):

In addition, two series of methods may be used to supplement or replace DBF:

- a) methods based on design by analysis (DBA), namely Design by Analysis – Direct Route covered by Annex B and Design by Analysis – Method based on Stress Categories, covered by Annex C;
 - b) methods based on experimental techniques
-

Change the heading of 5.4.2:

5.4.2 Vessels of all testing groups, pressure loading of predominantly non-cyclic nature

Change the beginning of the first paragraph to:

The DBF requirements specified in clauses 7 to 16, annexes G and J, and the DBA requirements of Annex C provide satisfactory ...

5.4.6 Design by analysis

Replace by:

If for a part no requirement is supplied in Clauses 7 to 16, Annexes G and J, the rules given in Annexes B and C shall be applied.

The rules of Annex B, Design by Analysis – Direct Route, are applicable to vessels or vessel parts designed to testing group 1 only.

5.4.8 Prevention of brittle fracture

Replace by:

Detailed recommendations to safeguard against brittle fracture of steel vessels are given in EN 13445-2:2002, Annex B.

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