

Packaging - Complete, filled transport packages and unit loads - Stacking tests using a static load

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN ISO 2234:2003 sisaldab Euroopa standardi EN ISO 2234:2002 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 18.02.2003 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN ISO 2234:2003 consists of the English text of the European standard EN ISO 2234:2002.</p> <p>This document is endorsed on 18.02.2003 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala:</p> <p>This International Standard specifies three methods for carrying out a stacking test on a complete, filled transport package, or on a until load, using a static load</p>	<p>Scope:</p> <p>This International Standard specifies three methods for carrying out a stacking test on a complete, filled transport package, or on a until load, using a static load</p>
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ICS 55.180.40

Võtmesõnad: freight, inspection, loading, mechanical testing, packages, packaging, packaging materials, packaging tests, packing, resistance, shipping, stacking tests, static loading, strength of materials, testing, tests, transport packing, unit load devices

English version

Packaging

Complete, filled transport packages and unit loads

Stacking tests using a static load
(ISO 2234 : 2000)

Emballages – Emballages d'expédition complets et pleins, et charges unitaires – Essais de gerbage utilisant une charge statique (ISO 2234 : 2000)

Verpackung – Versandfertige Packstücke und Ladeeinheiten – Stapelprüfung unter statischer Last (ISO 2234 : 2000)

This European Standard was approved by CEN on 2002-08-30.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Management Centre or to any CEN member.

The European Standards exist 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 Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Malta, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Management Centre: rue de Stassart 36, B-1050 Brussels

Foreword

International Standard

ISO 2234 : 2000 Packaging – Complete, filled transport packages and unit loads – Stacking tests using a static load,

which was prepared by ISO/TC 122 'Packaging' of the International Organization for Standardization, has been adopted by Technical Committee CEN/TC 261 'Packaging', the Secretariat of which is held by AFNOR, as a European Standard.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, and conflicting national standards withdrawn, by March 2003 at the latest.

In accordance with the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard:

Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Malta, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

Endorsement notice

The text of the International Standard ISO 2234 : 2000 was approved by CEN as a European Standard without any modification.

NOTE: Normative references to international publications are listed in Annex ZA (normative).

Introduction

It is the responsibility of the user of this International Standard to establish appropriate health and safety practice in accordance with relevant legislation.

1 Scope

This International Standard specifies three methods for carrying out a stacking test on a complete, filled transport package, or on a unit load, using a static load. Whichever method is employed, the test may be used to assess the performance of a package or a unit load, in terms of its strength or the protection that it offers to its contents when it is subjected to stacking. It may be performed either as a single test to investigate the effects (deformation, creep, collapse or failure) of stacking or as part of a sequence of tests designed to measure the ability of a package or a unit load to withstand a distribution system that includes a stacking hazard.

The test may also be used to investigate performance under particular conditions of loading, as, for example, when the bottom package in a stack rests on an open-decked pallet; or when the profile of the superimposed load is eccentric, as when it is supported on the bearers of a single-decked pallet which rests on a container. For such purposes, one of the three methods of carrying out the test may be more suitable than the others.

NOTE A method for carrying out a stacking test using a compression tester is given in ISO 12048¹⁾.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this International Standard. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 2206, *Packaging — Complete, filled transport packages — Identification of parts when testing.*

ISO 2233, *Packaging — Complete, filled transport packages and unit loads — Conditioning for testing.*

3 Term and definition

For the purposes of this International Standard, the following term and definition applies.

3.1

test item

a complete filled transport package or unit load

1) ISO 12048, *Packaging — Complete, filled transport packages — Compression and stacking tests using a compression tester.*