BÜROOMÖÖBEL. BÜROO TÖÖTOOL. OSA 3: KATSEMEETODID

Office furniture - Office work chair - Part 3: Test methods



# **EESTI STANDARDI EESSÕNA**

# **NATIONAL FOREWORD**

See Eesti standard EVS-EN 1335-3:2009 sisaldab	This Estonian standard EVS-EN 1335-3:2009
Euroopa standardi EN 1335-3:2009 ja selle	consists of the English text of the European
paranduse AC:2009 ingliskeelset teksti.	standard EN 1335-3:2009 and corrigendum
	AC:2009.
Standard on jõustunud sellekohase teate	This standard has been endorsed with a
avaldamisega EVS Teatajas.	notification published in the official bulletin of the
C.	Estonian Centre for Standardisation.
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	The standard is available from the Estonian Centre
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#### ICS 97.140

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# EUROPEAN STANDARD NORME EUROPÉENNE

# EN 1335-3

# EUROPÄISCHE NORM

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# **English Version**

# Office furniture - Office work chair - Part 3: Test methods

Mobilier de bureau - Sièges de travail de bureau - Partie 3: Méthodes d'essai Büromöbel - Büro-Arbeitsstuhl - Teil 3: Prüfverfahren

This European Standard was approved by CEN on 28 February 2009.

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This European Standard 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 Management Centre has the same status as the official versions.

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EUROPEAN COMMITTEE FOR STANDARDIZATION COMITÉ EUROPÉEN DE NORMALISATION EUROPÄISCHES KOMITEE FÜR NORMUNG

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# **Foreword**

This document (EN 1335-3:2009) has been prepared by Technical Committee CEN/TC 207 "Furnitures", the secretariat of which is held by UNI.

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of an identical text or by endorsement, at the latest by October 2009, and conflicting national standards shall be withdrawn at the latest by October 2009.

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.

This document supersedes EN 1335-3:2000.

This series consist of following parts:

- EN 1335-1, Office furniture Office work chair Part 1: Dimensions Determination of dimensions;
- EN 1335-2, Office furniture Office work chair Part 2: Safety requirements;
- EN 1335-3, Office furniture Office work chair Part 3: Test methods.

The main changes with respect to the previous edition are listed below:

- a) ISO 21015:2007 has been adopted as far as possible;
- b) loads and cycles for the safety tests have been moved to EN 1335-2;
- c) Annex C includes loads and cycles for functional tests;
- d) seat and back durability test procedures have been significantly changed;
- e) determination of the maximum offset of the backrest has been deleted.

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, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

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# 1 Scope

This European Standard specifies mechanical test methods for determining the stability, strength and durability of office work chairs.

This European Standard does not specify type approval tests for chair components.

The tests are designed to be applied to an article of furniture that is fully assembled and ready for use.

The tests consist of the application, to various parts of the item, of forces simulating normal functional use, as well as misuse that might reasonably be expected to occur.

The tests are designed to evaluate properties without regard to materials, design/construction or manufacturing processes.

The test results are only valid for the article tested. When the test results are intended to be applied to other similar articles, it is important that the test specimen be representative of the production model.

Tests carried out according to this standard are intended to demonstrate the ability of the item to give satisfactory service in its intended environment. The safety requirements are specified in EN 1335-2 and additional loads, masses and cycles for functional tests can be found in Annex C (informative).

The tests have been developed for units/components that have not been in use. However, when properly justified, they may be used for fault investigation.

Assessment of ageing and degradation is not included. The tests are not intended to assess the durability of upholstery, i.e. filling materials and covers.

Data are given for the design of seat-loading pads in Annex A (normative) and for the design of stability-loading pad in Annex B (normative).

# 2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 1335-2:2009, Office furniture — Office work chair — Part 2: Safety requirements

# 3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

### 3.1

#### office work chair

piece of seating furniture for one person, with a back rest, with or without arm rests, whose upper part, which includes the seat, can rotate in the horizontal plane and can be adjusted in height

NOTE Other adjustments may be included.

#### 3.2

#### column

office work chair component that connects the base and the seat structure

NOTE A column normally incorporates a seat height adjustment and swivel mechanism.