

**Mööblifurnituur. Tõmbeelementide ja nende  
komponentide tugevus ja vastupidavus**

Hardware for furniture - Strength and durability of extension  
elements and their components

## EESTI STANDARDI EESSÕNA

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<p>Käesolev Eesti standard EVS-EN 15338:2007+A1:2010 sisaldab Euroopa standardi EN 15338:2007+A1:2010 ingliskeelset teksti.</p> <p>Standard on kinnitatud Eesti Standardikeskuse 31.03.2010 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.</p> <p>Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 17.02.2010.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 15338:2007+A1:2010 consists of the English text of the European standard EN 15338:2007+A1:2010.</p> <p>This standard is ratified with the order of Estonian Centre for Standardisation dated 31.03.2010 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.</p> <p>Date of Availability of the European standard text 17.02.2010.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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English Version

## Hardware for furniture - Strength and durability of extension elements and their components

Quincaillerie d'ameublement - Résistance mécanique et endurance des éléments extractibles et de leurs composants

Möbelbeschläge - Festigkeit und Dauerhaltbarkeit von Auszügen und deren Komponenten

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## Foreword

This document (EN 15338:2007+A1:2010) has been prepared by Technical Committee CEN/TC 207 "Furniture", 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of an identical text or by endorsement, at the latest by August 2010, and conflicting national standards shall be withdrawn at the latest by August 2010.

This document includes Amendment 1, approved by CEN on 2010-01-04.

This document supersedes EN 15338:2007.

The start and finish of text introduced or altered by amendment is indicated in the text by tags **A1** **A1**.

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## **Introduction**

The aim of this European Standard is to provide furniture manufacturers, designers and developers with comparable information regarding the performance of extension elements and drawers.

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## 1 Scope

This European Standard specifies test methods and requirements for the strength and durability of all types of extension elements and their components for all fields of application, except table extensions.

The tests consist of the application of loads, forces and velocities simulating normal functional use, as well as misuse, that might reasonably be expected to occur.

With the exception of the corrosion test in 6.4, the tests are designed to evaluate properties without regard to materials, design/construction or manufacturing processes.

The strength and durability tests only relate to the extension elements and the parts used for the attachment, e.g. screws.

The strength and durability tests are carried out in a test frame with specified properties. The test results can only be used as a guide to the performance of a piece of furniture.

The test results are only valid for the extension element tested. These results may be used to represent the performance of production models provided that the tested model is representative of the production model.

Ageing and influences of heat and humidity are not included.

## 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 320, *Fibreboards — Determination of resistance to axial withdrawal of screws*

EN 323, *Wood-based panels — Determination of density*

EN ISO 6270-2, *Paints and varnishes — Determination of resistance to humidity — Part 2: Procedure for exposing test specimens in condensation-water atmospheres (ISO 6270-2:2005)*

## 3 Terms and definitions

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

**3.1 catch device**  
device, which keeps or pulls an extension element in place, but does not require a second action in order to release it, e.g. a magnetic catch or a self-closing or self-opening mechanism

**3.2 extension element**  
components that can be pulled out and pushed in, e.g. drawers, suspended pocket files, keyboard trays

**3.3 loading capacity, M**  
mass in Kg, as specified by the manufacturer, for which the extension element will fulfil the strength and durability requirements.