Building hardware - Hardware for windows and balcony doors - Requirements and test methods - Part 15: Rollers for horizontal sliding and sliding folding windows and doors

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#### EESTI STANDARDI EESSÕNA

#### **NATIONAL FOREWORD**

Käesolev Eesti standard EVS-EN 13126-15:2008 sisaldab Euroopa standardi EN 13126-15:2008 ingliskeelset teksti.

Standard on kinnitatud Eesti Standardikeskuse 25.03.2008 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.

Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 23.01.2008.

Standard on kättesaadav Eesti standardiorganisatsioonist.

This Estonian standard EVS-EN 13126-15:2008 consists of the English text of the European standard EN 13126-15:2008.

This standard is ratified with the order of Estonian Centre for Standardisation dated 25.03.2008 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.

Date of Availability of the European standard text 23.01.2008.

The standard is available from Estonian standardisation organisation.

ICS 91.190

Võtmesõnad:

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## EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM

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Supersedes CEN/TS 13126-15:2004

#### **English Version**

# Building hardware - Requirements and test methods for windows and doors height windows - Part 15: Rollers for horizontal sliding and sliding folding windows and doors

Quincaillerie pour le bâtiment - Exigences et méthodes d'essai des ferrures de fenêtres et portes-fenêtres - Partie 15 : Roulements pour portes-fenêtres et fenêtres coulissantes à l'horizontale et accordéon Baubeschläge - Beschläge für Fenster und Fenstertüren -Anforderungen und Prüfverfahren - Teil 15: Horizontalscheibe- und Faltscheibe-Fenster und Fenstertüren

This European Standard was approved by CEN on 5 December 2007.

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 CEN Management Centre or to any CEN member.

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.

CEN members are the national standards bodies of 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 United Kingdom.



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

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#### **Foreword**

This document (EN 13126-15:2008) has been prepared by Technical Committee CEN/TC 33 "Doors, windows, shutters, building hardware and curtain walling", the secretariat of which is held by AFNOR.

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 July 2008, and conflicting national standards shall be withdrawn at the latest by July 2008.

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 CEN/TS 13126-15:2004.

A full contribution to the preparation of this European Standard has been made by the European manufacturers' organisation 'ARGE' and National Standards institutions.

This European Standard is one of a series of European Standards dedicated to building hardware products. It is divided into seventeen parts to incorporate all types of windows and door height windows.

Informative Annex A of EN 13126-1:2006 provides detailed schedules of the elements of components of the seventeen parts of this European Standard.

Informative Annex A of EN 13126-1:2006 depicts the "list of parts and titles and their reference to the relevant window types" of the seventeen parts of this European Standard.

Normative and informative annexes to all parts of this European Standard are indicated in the content of the several parts

The performance tests incorporated in this standard are considered to be reproducible and as such will provide a consistent and objective assessment of the performance of these products throughout CEN Member States.

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 part of EN 13126 provides requirements and test methods for the durability, strength, security and function of rollers for horizontal sliding and inward or outward sliding folding windows and door height windows in accordance with common applications as shown in Annex B, EN 13126-1:2006.

This standard is applicable to rollers, irrespective of whether they are adjustable or not, and irrespective of the method or type of fixing or if they are used independently, or in multiples or combinations.

NOTE 1 Guide tracks, laterals guides and rails used while testing the rollers for sliding folding windows and door height windows (window types N Q, R and S) are considered to be part of the complete sliding folding hardware set

NOTE 2 The hinges used while testing the rollers for sliding folding windows and door height windows (window types Q, R and S) are considered to be part of the complete sliding folding hardware set. Testing the hinges separately is not required in this case.

#### 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 1670, Building hardware — Corrosion resistance — Requirements and test methods

EN 12519:2004, Windows and pedestrian doors — Terminology

EN 13126-1:2006, Building hardware — Requirements and test methods for windows and doors height windows — Part 1: Requirements common to all types of hardware

ISO 4520, Chromate conversion coatings on electroplated zinc and cadmium coating

#### 3 Terms and definitions

For the purposes of this European Standard the definitions given in EN 13126-1:2006 and EN 12519:2004 and the following apply.

NOTE The following terms and definitions apply to horizontal sliding and sliding folding windows and door height windows made of timber, PVC, aluminium or steel and their appropriate material combinations.

#### 3.1

#### roller

assembly of one or more rolls in a single, or multiple, casing, which supports horizontal sliding windows, or sliding folding windows and door height windows. These may be aligned in a straight line or rotate about an axis for sliding folding windows and door height windows. Otherwise known as a bogey

#### 3.2

#### roll

singular wheel in a roller