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BUILDING HARDWARE, FITTINGS FOR WINDOWS AND DOOR HEIGHT WINDOWS - REQUIREMENTS AND TEST METHODS - PART 13: SASH BALANCES

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Building hardware, fittings for windows and door height windows - Requirements and test methods - Part 13: Sash balances

Quincaillerie pour le bâtiment, ferrures de fenêtres et portes-fenêtres - Exigences et méthodes d'essai - Partie 13: Contre-poids pour méchanismes à guillotine

Baubeschläge - Beschläge für Fenster und Fenstertüren - Anforderungen und Prüfverfahren - Teil 13: Ausgleichgewichte für Vertikal-Schiebefenster

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The period of validity of this CEN/TS is limited initially to three years. After two years the members of CEN will be requested to submit their comments, particularly on the question whether the CEN/TS can be converted into a European Standard.

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Foreword

This document (CEN/TS 13126-13:2004) 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.

A full contribution to the preparation of this Technical Specification has been made by the European manufacturers organisation ‘ARGE’ and National Standards institutions.

This Technical Specification is one of a series of Technical Specifications 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 CEN/TS 13126-1 gives detailed schedules of the elements of components of the seventeen parts of this Technical Specification.

Normative annex B of CEN/TS 13126-1 gives schedules of the elements of components used on the 21 types of window opening functions.

Normative and informative annex to all parts of this Technical Specification are indicated in the content of the seventeen 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.

Annex A is informative while annex B is normative.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to announce this Technical Specification: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

1 Scope

This Part of CEN/TS 13126 gives requirements and test methods for durability, strength, security and function of sash balances for windows and door height windows.

2 Normative references

This Technical Specification incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text, and the publications are listed hereafter. For dated references, subsequent amendments to, or revisions of, any of these publications apply to this standard only when incorporated in it by amendment or revision. For undated references, the latest edition of the publication referred to applies (including amendments).

EN 1670, *Building hardware – Corrosion resistance – Requirements and test methods.*

EN 12519:2004, *Windows and doors - Terminology*

CEN/TS 13126-1:2004, *Building hardware – Fittings for windows and door height windows – Requirements and test methods – Part 1: Requirements common to all types of fittings*

3 Terms and definitions

For the purposes of this Technical Specification, the terms and definitions given in EN 12519:2004 for windows and doors and the following apply:

3.1
sash balances:
device, fitted in pairs, to counter-balance the mass of a vertically moving leaf throughout its full travel.

3.2
manually applied force
externally applied vertical force required to cause movement of the sliding element when the sash balances are mounted in the test apparatus with the specified test weight attached.

3.3
sliding element
part of the test apparatus representing the vertically sliding sash of the window.

3.4
test weight
weight of the sliding element plus the attached weights equalling the specified weight rating of the pair of balances.

3.5
operating cycle
movement from a starting to a stop position and returning to the starting position.

4 Classification

4.1 General

The classification for sash balances shall be in accordance with the requirements of clause 4 in CEN/TS 13126-1:2004.