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NSAI Standards

Irish Standard
I.S. EN 13126-13:2012

Building hardware - Hardware for windows and balcony doors - Requirements and test methods - Part 13: Sash balances

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 13126-13

May 2012

ICS 91.190

Supersedes CEN/TS 13126-13:2004

English Version

Building hardware - Hardware for windows and balcony doors - 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 : Contrepoids pour mécanismes à guillotine

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

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Foreword

This document (EN 13126-13:2012) 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of an identical text or by endorsement, at the latest by November 2012, and conflicting national standards shall be withdrawn at the latest by November 2012.

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 13126-13:2004.

The following is a list of the technical changes made since the previous edition of this standard, organised according to their relevant clauses:

a) Clause 3, Terms and definitions:

1) Reduced to two definitions, 3.1 and 3.2;

b) Clause 4, Classification:

1) Three new grades added as per Table 2 in 4.9;

2) Window test sizes specified within EN 13126-13 as per Table 1 in 4.10;

3) Example of classification added in 4.11;

c) Clause 5, Requirements:

1) Requirements in the whole of Clause 5: completely revised;

2) New test procedures added:

   i) Integrated maximum opening stop in 5.2;

   ii) Free movement test in 5.3;

   iii) Durability test in 5.4;

   iv) Resistance to manually applied load test in 5.5 and 3 new grades added;

   v) Corrosion resistance test in 5.6;

d) Clause 6, Test apparatus:

1) Requirements in the whole of Clause 6: completely revised;

e) Clause 7, Test methods:

1) Test methods in the whole of Clause 7: completely revised;

2) Reduction in the number of test samples in 7.1.

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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 for building hardware products. It is divided into seventeen parts to incorporate all types of windows and balcony doors:

— EN 13126-1, *Building hardware — Hardware for windows and door height windows — Requirements and test methods — Part 1: Requirements common to all types of hardware*;

— EN 13126-2, *Building hardware — Requirements and test methods for windows and doors height windows — Part 2: Window fastener handles*;

— EN 13126-3, *Building hardware — Hardware for windows and door-height windows — Requirements and test methods — Part 3: Handles, primarily for Tilt&Turn, Tilt-First and Turn-Only hardware*;

— EN 13126-4, *Building hardware — Requirements and test methods for windows and doors height windows — Part 4: Espagnolettes*;

— EN 13126-5, *Building hardware — Hardware for windows and door height windows — Requirements and test methods — Part 5: Devices that restrict the opening of windows and door height windows*;

— EN 13126-6, *Building hardware — Requirements and test methods for windows and doors height windows — Part 6: Variable geometry stay hinges (with or without a friction stay)*;

— EN 13126-7, *Building hardware — Requirements and test methods for windows and door height windows — Part 7: Finger catches*;

— EN 13126-8, *Building hardware — Requirements and test methods for windows and doors height windows — Part 8: Tilt&Turn, Tilt-First and Turn-Only hardware*;

— prEN 13126-9, *Building hardware — Hardware for windows and door height windows — Requirements and test methods — Part 9: Hardware for horizontal and vertical pivot windows*;

— EN 13126-10, *Building hardware — Requirements and test methods for windows and doors height windows — Part 10: Arm-balancing systems*;

— EN 13126-11, *Building hardware — Requirements and test methods for windows and doors height windows — Part 11: Top hung projecting reversible hardware*;

— EN 13126-12, *Building hardware — Requirements and test methods for windows and doors height windows — Part 12: Side hung projecting reversible hardware*;

— EN 13126-13, *Building hardware — Hardware for windows and balcony doors —Requirements and test methods — Part 13: Sash balances*;

— EN 13126-14, *Building hardware — Hardware for windows and balcony doors — Requirements and test methods — Part 14: Sash fasteners*;

— EN 13126-15, *Building hardware — Requirements and test methods for windows and doors height windows — Part 15: Rollers for horizontal sliding and sliding folding windows and doors*;

— EN 13126-16, *Building hardware — Requirements and test methods for windows and doors height windows — Part 16: Hardware for Lift&Slide windows and doors*;

— EN 13126-17, *Building hardware — Requirements and test methods for windows and doors height windows — Part 17: Hardware for Tilt&Slide windows and doors*;

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— prEN 13126-18, *Building hardware — Specifications for the fittings for the operation of windows and door height windows — Part 18: Requirements and test procedures for durability, strength, security and functionality of Fan light openers for windows and door height windows*;

— EN 13126-19, *Building hardware — Requirements and test methods for windows and door height windows — Part 19: Sliding Closing Devices*.

Informative Annex A of EN 13126-1:2011 gives detailed schedules of the elements of components of the seventeen parts of this European Standard.

Informative Annex B of EN 13126-1:2011 details, in connection with Annex A of the same standard, the concerned parts and their reference to the relevant widow types.

Normative and informative annexes to all parts of this European Standard are indicated in the contents 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-CENELEC 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, Croatia, 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, Turkey and the United Kingdom.

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