



**NSAI**  
Standards

Irish Standard  
I.S. EN 13126-10:2008

# Building hardware - Requirements and test methods for windows and doors height windows - Part 10: Arm-balancing systems

## I.S. EN 13126-10:2008

*Incorporating amendments/corrigenda issued since publication:*

<i>This document replaces:</i> I.S. TS 13126-10:2004	<i>This document is based on:</i> EN 13126-10:2008 CEN/TS 13126-10:2004	<i>Published:</i> 12 November, 2008 19 May, 2004	
This document was published under the authority of the NSAI and comes into effect on: 16 January, 2009		ICS number: 91.190	
<b>NSAI</b> 1 Swift Square, Northwood, Santry Dublin 9	T +353 1 807 3800 F +353 1 807 3838 E standards@nsai.ie W NSAI.ie	<b>Sales:</b> T +353 1 857 6730 F +353 1 857 6729 W standards.ie	<b>Price Code:</b> F
Údarás um Chaighdeáin Náisiúnta na hÉireann			

English Version

## Building hardware - Requirements and test methods for windows and doors height windows - Part 10: Arm-balancing systems

Quincaillerie pour le bâtiment - Exigences et méthodes d'essai des ferrures de fenêtres et portes-fenêtres - Partie 10: Compas à projection

Baubeschläge - Beschläge für Fenster und Fenstertüren - Anforderungen und Prüfverfahren - Teil 10: Senkklapplügelssysteme

This European Standard was approved by CEN on 5 October 2008.

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

Management Centre: rue de Stassart, 36 B-1050 Brussels

<b>Contents</b>		<b>Page</b>
<b>Foreword</b> .....		<b>3</b>
<b>1 Scope</b> .....		<b>5</b>
<b>2 Normative references</b> .....		<b>5</b>
<b>3 Terms and definitions</b> .....		<b>5</b>
<b>4 Classification</b> .....		<b>5</b>
4.1 <b>General</b> .....		<b>5</b>
4.2 <b>Category of use (1 – first digit)</b> .....		<b>5</b>
4.3 <b>Durability (2 – second digit)</b> .....		<b>5</b>
4.4 <b>Mass (3 – third digit)</b> .....		<b>6</b>
4.5 <b>Fire resistance (4 – fourth digit)</b> .....		<b>6</b>
4.6 <b>Safety in use (5 – fifth digit)</b> .....		<b>6</b>
4.7 <b>Corrosion resistance (6 – sixth digit)</b> .....		<b>6</b>
4.8 <b>Security (7 – seventh digit)</b> .....		<b>6</b>
4.9 <b>Application (8-eighth digit)</b> .....		<b>6</b>
4.10 <b>Test sizes (9 – ninth digit)</b> .....		<b>6</b>
4.11 <b>Example of classification for arm-balancing systems</b> .....		<b>7</b>
<b>5 Requirements</b> .....		<b>7</b>
5.1 <b>General</b> .....		<b>7</b>
5.2 <b>Durability test</b> .....		<b>7</b>
5.3 <b>Static load test</b> .....		<b>7</b>
<b>6 Test equipment</b> .....		<b>8</b>
<b>7 Test methods</b> .....		<b>8</b>
7.1 <b>Samples</b> .....		<b>8</b>
7.2 <b>Durability test procedure</b> .....		<b>8</b>
7.3 <b>Static load test procedure</b> .....		<b>9</b>
7.4 <b>Corrosion resistance</b> .....		<b>9</b>
<b>Annex A (informative) Test method diagrams</b> .....		<b>10</b>
<b>Annex B (normative) Flow chart of test procedure</b> .....		<b>12</b>

## Foreword

This document (EN 13126-10:2008) 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 May 2009, and conflicting national standards shall be withdrawn at the latest by May 2009.

This document supersedes CEN/TS 13126-10:2004.

This European Standard is one of a series of European Standards dedicated to building hardware products.

A full contribution to the preparation of this European Standard has been made by the European manufacturers’ organization “ARGE” and national standards bodies.

EN 13126 *Building hardware — Requirements and test methods for windows and doors height windows* consists of the following parts:

Part 1: Requirements common to all types of hardware

Part 2: Casement fastener handles<sup>1)</sup>

Part 3: Manoeuvring fittings for espagnolette bolts/sliding button<sup>1)</sup>

Part 4: Espagnolette bolts<sup>1)</sup>

Part 5: Devices that restrict the opening of windows<sup>1)</sup>

Part 6: Variable geometry stay hinges (with or without a friction system)

Part 7: Finger catches

Part 8: Tilt&Turn, Tilt-First and Turn-Only hardware

Part 9: Pivot hinges<sup>1)</sup>

Part 10: Arm balancing systems

Part 11: Top hung projecting reversible hardware

Part 12: Side hung projecting reversible hardware

Part 13: Sash balances<sup>1)</sup>

Part 14: Sash fasteners<sup>1)</sup>

Part 15: Rollers for horizontal sliding and sliding folding windows and doors

---

<sup>1)</sup> To be revised, for the time being CEN/TS.

**I.S. EN 13126-10:2008**

**EN 13126-10:2008 (E)**

Part 16: Hardware for Lift&Slide windows and doors

Part 17: Hardware for Tilt&Slide windows and doors

Part 18: Fan light openers for windows and door height windows

Part 19: Sliding Closing Devices (SCD) for windows and door height windows

Informative Annex A of EN 13126-1:2006 gives detailed schedules of the elements of components of the 17 first parts of this European Standard.

Informative Annex B of EN 13126-1:2006 gives schedules of the elements of components used on the 21 types of window opening functions.

The performance tests incorporated in this European 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 United Kingdom.

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

- 
- [Looking for additional Standards? Visit Intertek Inform Infostore](#)
  - [Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation](#)
-