

Irish Standard I.S. EN 13126-9:2013

Building hardware - Requirements and test methods for windows and door height windows - Part 9: Hardware for horizontal and vertical pivot windows

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# EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM

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### **English Version**

# Building hardware - Requirements and test methods for windows and door height windows - Part 9: Hardware for horizontal and vertical pivot windows

Quincaillerie pour le bâtiment - Exigences et methodes d'essai des ferrures de fenêtres et portes-fenêtres - Partie 9: Ferrures pour fenêtres basculantes et pivotantes

Baubeschläge - Anforderungen und Prüfverfahren für Fenster und Fenstertüren - Teil 9: Beschläge für Schwingund Wendefenster

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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-CENELEC Management Centre has the same status as the official versions.

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# EN 13126-9:2013 (E)

Cont	<b>ntents</b>			
Forewo	ord4			
1	Scope	6		
2	Normative references			
3	Terms and definitions			
4 4.1 4.2	Classification	7		
4.2 4.3 4.4 4.5	Category of use (1 – first digit)	7 7		
4.6 4.7 4.8	Safety in use (5 – fifth digit)	7 7		
4.9 4.10 4.10.1 4.10.2	Application (8 – eighth digit)  Test sizes (9 - ninth digit)  Window size for horizontal pivot windows  Window size for vertical pivot windows	8 8		
4.11 5 5.1	Example of classification for horizontal and vertical pivot windows	8 9		
5.2 5.3 5.4	Durability	9 9		
5.5 5.6 5.7	Balance test for pivot hinges with integrated braking function	10 10		
5.8 5.9 5.10	Resistance to rebate hindrance test for vertical pivot windows	10		
6 7	Test equipment  Test methods			
7.1 7.2 7.3	Samples Test order Durability test	11 11 12		
7.3.1 7.3.2 7.4 7.5	Durability test of normal opening	13 14		
7.5.1 7.5.2 7.5.3	Ventilation position static test on horizontal pivot windows  Ventilation position static test on vertical pivot windows  Reversed position static test on horizontal pivot windows	14 15 16		
7.5.4 7.6 7.7 7.8	Reversed position static test on vertical pivot windows	18 18		
7.9	Corrosion resistance	19		

# EN 13126-9:2013 (E)

Annex B (normative)	Flowchart of test procedures	22
Bibliography		24

# EN 13126-9:2013 (E)

# **Foreword**

This document (EN 13126-9:2013) has been prepared by Technical Committee CEN/TC 33 "Doors, windows, shutters, building hardware and curtain walling - Building hardware", 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 August 2013, and conflicting national standards shall be withdrawn at the latest by August 2013.

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 13126-9:2004.

EN 13126 is composed of the following parts:

- 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;
- EN 13126-9, Building hardware Hardware for windows and door height windows Part 9: Hardware for horizontal and vertical pivot windows (the present document);
- 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 13126-9:2013 (E)

- 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;
- 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.

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, Former Yugoslav Republic of Macedonia, 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.

# EN 13126-9:2013 (E)

# 1 Scope

This European Standard specifies the requirements and test methods for durability and strength of hardware for vertical and horizontal pivot windows and door height windows (including pivot hinges and central locking systems).

If the hardware manufacturer would like to classify an integrated restrictor function, the pivot hinges may be tested in accordance with EN 13126-5.

This European Standard does not apply to manoeuvring devices which are covered in EN 13126-2, EN 13126-3, EN 13126-7, EN 13126-14 and prEN 13126-18.

# 2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. 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, Building hardware — Hardware 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 document, the terms and definitions given in EN 12519:2004 and the following apply.

# 3.1

# fastened closed position

position in which the active sash rests against the frame or compresses the gaskets on all sides, and the central locking system is fully engaged

# 3.2

# closed position

position in which the active sash rests against the frame or compresses the gaskets on all sides, and the central locking system is not engaged

#### 3.3

# opened position

position in which the active sash is at a predefined opening angle (normally 45°) or the maximum opening travel of the operated window

#### 3.4

#### reversed position

position in which the active sash has been rotated past the opening position until the internal and external faces of the active sash are inverted

#### 3.5

# limiting restrictor

device equipped with a maximum opening stop, intended to limit the movement of a sash to a predetermined position



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