Building hardware - Hardware for windows and door height windows - Requirements and test methods - Part 12: Side hung projecting reversible hardware

EESTI STANDARDIMIS- JA AKREDITEERIMISKESKUS
ESTONIAN CENTRE FOR STANDARDISATION AND ACCREDITATION

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 13126-12:2025 sisaldab Euroopa standardi EN 13126-12:2025 ingliskeelset teksti.	This Estonian standard EVS-EN 13126-12:2025 consists of the English text of the European standard EN 13126-12:2025.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation and Accreditation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 17.12.2025.	Date of Availability of the European standard is 17.12.2025.
Standard on kättesaadav Eesti Standardimis-ja Akrediteerimiskeskusest.	The standard is available from the Estonian Centre for Standardisation and Accreditation.

Tagasisidet standardi sisu kohta on võimalik edastada, kasutades EVS-i veebilehel asuvat tagasiside vormi või saates e-kirja meiliaadressile standardiosakond@evs.ee.

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English Version

Building hardware - Hardware for windows and door height windows - Requirements and test methods - Part 12: Side hung projecting reversible hardware

Quincaillerie pour le bâtiment - Exigences et méthodes d'essai des ferrures de fenêtres et portes-fenêtres - Partie 12: Ferrures pour ouvrants à projection de l'axe latéral réversibles

Baubeschläge - Beschläge für Fenster und Fenstertüren - Anforderungen und Prüfverfahren - Teil 12: Beschläge für auskragende Drehflügel-Umkehrfenster

This European Standard was approved by CEN on 24 November 2025.

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

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Contents

Page

European foreword

This document (EN 13126-12:2025) 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of an identical text or by endorsement, at the latest by June 2026, and conflicting national standards shall be withdrawn at the latest by June 2026.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 13126-12:2008.

EN 13126-12:2025 includes the following significant technical changes with respect to EN 13126-12:2008:

— EN 13126-12 now is independent from EN 13126-1; all necessary information is included without the need of any further information from EN 13126-1;

— several editorial changes in the wording for a better understanding;

— terms under 3.6 'specimen’, 3.7 'sample', 3.8 'test-rig', 3.9 ‘test equipment and 3.10 'supporting subframe' added;

— under 4.1 classification system changed completely; former digits 1 (Category of use), 4 (Fire resistance), 5 (Safety in use) and 8 (Application) deleted; former digit 2 changed into box 1 (Durability), former digit 3 changed into box 2 (Mass), former digit 6 changed into box 3 (Corrosion resistance), former Digit 7 has been deleted in addition to former digits 1, 4 and 5, former digit 9 changed into box 4 (Test sizes);

— under 4.2 new grades for the number of cycles defined; H1 (5 000), H2 (10 000) and H3 (20 000); see also 5.4;

— under 4.6 new example added for the new classification;

— under 5.4 new grades for the number of cycles defined; H1 (5 000), H2 (10 000) and H3 (20 000) in accordance with 4.2 established;

— under 5.8. ‘Corrosion resistance’ new text added;

— under Clause 6 subclauses 6.1 ‘Test-rig’ and 6.2 ‘Specimen’ added or text amended;

— under 7.7 ‘Corrosion resistance’ text modified;

— new Clause 8 ‘Marking’ added;

The EN 13126 series, under the general title *Building hardware — Hardware for windows and door height windows — Requirements and test methods*, consists of the following parts:

— *Part 1: Requirements common to all types of hardware;*

— *Part 2: Window fastener handles;*

— *Part 3: Handles, primarily for Tilt and Turn, Tilt-First and Turn-Only hardware;*

— *Part 4: Espagnolettes;*

— *Part 5: Devices that restrict the opening of windows and door height windows;*

— *Part 6: Variable geometry stay hinges (with or without a friction stay);*

— *Part 7: Finger catches;*

— *Part 8: Requirements and test methods for tilt and turn, Tilt-First and Turn-Only hardware;*

— *Part 9: Hardware for horizontal and vertical pivot windows;*

— *Part 10: Arm-balancing systems;*

— *Part 11: Top hung projecting reversible hardware;*

— *Part 12: Side hung projecting reversible hardware;*

— *Part 13: Sash balances;*

— *Part 14: Sash fasteners;*

— *Part 15: Rollers for horizontal sliding and hardware for sliding folding windows;*

— *Part 16: Hardware for Lift and Slide windows;*

— *Part 17: Hardware for Tilt and Slide windows;*

— *Part 19: Sliding Closing Devices*

Any feedback and questions on this document should be directed to the users' national standards body. A complete listing of these bodies can be found on the CEN website.

According to the CEN-CENELEC Internal Regulations, the national standards organisations 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, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

1 Scope

This document specifies requirements and test methods for durability, strength, security and function for side hung projecting reversible hardware for windows and door height windows.

NOTE This document is applicable to side hung projecting reversible hardware whether fitted with integral restrictors or not. Where any restrictor is used it is intended to be tested in accordance with EN 13126-5.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 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*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at https://www.electropedia.org/

3.1
integrated restrictor
mechanism that is an integral part of the side hung projecting reversible hardware that limits the initial opening of the window and can also hold an opening light firmly in the reverse position

3.2
bottom slider
assembly consisting of plate and swivel bracket fitted to sash, which guides movement in horizontal plane

3.3
side hung projecting reversible hardware
mechanism consisting of sliding rails and moving arms fitted into the upper and lower sections of the window frame, to support the sash allowing it to open outwardly, without projecting into the room, and to be reversed for cleaning from inside the room

3.4
specimen
window without gaskets to accommodate hardware components (samples) for testing

3.5
sample
hardware component which shall be tested

3.6
test-rig
testing device onto which the sample is mounted