



SLOVENSKI STANDARD
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Building hardware - Requirements and test methods for windows and doors height
windows - Part 12: Side hung projecting reversible hardware

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

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

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Will supersede CEN/TS 13126-12:2004

English Version

**Building hardware - Requirements and test methods for windows
and doors height windows - 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 - Anforderungen und Prüfverfahren für
Fenster und Fenstertüren - Teil 12: Beschläge für
auskragende Drehflügel-Umkehrfenster

This draft European Standard is submitted to CEN members for unique acceptance procedure. It has been drawn up by the Technical Committee CEN/TC 33.

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

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Foreword

This document (prEN 13126-12:2008) 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 document is currently submitted to the Unique Acceptance Procedure.

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 handles¹⁾

Part 3: Manoeuvring fittings for espagnolette bolts/sliding button¹⁾

Part 4: Espagnolette bolts¹⁾

Part 5: Devices that restrict the opening of windows¹⁾

Part 6: Variable geometry stay hinges (with or without a friction system)¹⁾

Part 7: Finger catches

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

Part 9: Pivot hinges¹⁾

Part 10: Arm balancing systems¹⁾

Part 11: Top hung projecting reversible hardware¹⁾

Part 12: Side hung projecting reversible hardware¹⁾

Part 13: Sash balances¹⁾

Part 14: Sash fasteners¹⁾

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

Part 16: Hardware for Lift&Slide windows and doors

Part 17: Hardware for Tilt&Slide windows and doors

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

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

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Informative Annex A of EN 13126-1:2006 depicts the “list of parts and titles and their reference to the relevant window types” of the seventeen parts of this European Standard.

Normative 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 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.

1 Scope

This part of prEN 13126 specifies the requirements and test methods for durability, strength, security and function of side hung projecting reversible hardware for windows.

NOTE This European Standard is applicable to side hung projecting reversible hardware whether fitted with integral restrictors or not.

2 Normative references

The following referenced documents are indispensable for the application 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 12519:2004, *Windows and pedestrian doors — Terminology*

EN 13126-1:2006, *Building hardware — Requirements and test methods for windows and doors height windows — Part 1: Requirements common to all types of hardware*

CEN/TS 13126-5, *Building hardware, fittings for windows and door height windows — Requirements and test methods — Part 5: Devices that restrict the opening of windows*

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

ISO 4520:1981, *Chromate conversion coatings on electroplated zinc and cadmium coatings*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 13126-1:2006 and EN 12519:2004 and the following apply

NOTE The following terms and definitions apply to windows made of wood, PVC-u, aluminium or steel and their appropriate material combinations.

3.1

pivot retainer

device (may be integrated onto hinge arm system) fitted to the sash to hold it during rotation on hinge mechanism

3.2

integrated restrictor

mechanism that is an integral part of the side hung Projecting reversible hardware that limits the initial opening of the window and may or may not also hold an opening light firmly in the reverse position

3.3

top slider

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

3.4

bottom slider

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

3.5

side hung projecting reversible hinge

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

4 Classification

4.1 General

The classification for side hung projecting reversible hardware shall be in accordance with the requirements of Clause 4 EN 13126-1:2006.

4.2 Category of use (1 – first digit)

No marking is required for the category of use in accordance with 4.2 of EN 13126-1:2006.

4.3 Durability (2 – second digit)

Grades shall be in accordance with 4.3 of EN 13126-1:2006.

4.4 Mass (3 – third digit)

Grades shall be in accordance with 4.4 of EN 13126-1:2006.

4.5 Fire resistance (4 – fourth digit)

One grade shall be identified in accordance with 4.5 of EN 13126-1:2006.

— grade 0: no requirements.

4.6 Safety in use (5 – fifth digit)

One grade shall be identified in accordance with 4.6 of EN 13126-1:2006.

— grade 1: The hardware shall conform to the requirements of EN 13126-1 and EN 13126-12.

4.7 Corrosion resistance (6 – sixth digit)

Grades shall be in accordance with 4.7 of EN 13126-1:2006.

4.8 Security (7 – seventh digit)

No marking is required for the category of security in accordance with 4.8 of EN 13126-1:2006.

4.9 Application (8 – eighth digit)

The eighth digit shows “12” indicating the part of the standard which was used for testing the side turn projecting reversible hardware in accordance with 4.9 of EN 13126-1:2006.

4.10 Test sizes – Size limitations (9 – ninth digit)

The ninth digit shows the test sizes in accordance with 4.10 of EN 13126-1:2006 as follows: