



SLOVENSKI STANDARD
kSIST prEN 13126-6:2008

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

Baubeschläge - Anforderungen und Prüfverfahren für Fenster und Fenstertüren - Teil 6: Scheren mit veränderlicher Geometrie (mit oder ohne Friktionssystem)

Quincaillerie pour le bâtiment - Exigences et méthodes d'essai des ferrures de fenêtres et portes-fenêtres - Partie 6: Compas à friction à géométrie variable

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English Version

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

Quincaillerie pour le bâtiment - Exigences et méthodes
d'essai des ferrures de fenêtres et portes-fenêtres - Partie
6: Compas à friction à géométrie variable

Baubeschläge - Anforderungen und Prüfverfahren für
Fenster und Fenstertüren - Teil 6: Scheren mit
veränderlicher Geometrie (mit oder ohne Friktionssystem)

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.

If this draft becomes a European Standard, 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.

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

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Foreword

This document (prEN 13126-6:2008) 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.

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 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.

1 Scope

This part of prEN 13126 specifies requirements and test methods for durability, strength, security and function of mechanically operated variable geometry stay hinges (with or without a friction system).

By means of this European Standard, the user of recognized tested hardware can assume that with correct usage, the variable geometry stay hinges (with or without a friction system) for windows conform to prescribed requirements.

NOTE 1 This European Standard is applicable to variable geometry stay hinges (with or without a friction system) whether fitted with integral restrictors or not.

NOTE 2 Balancing stay arms/hinges do not represent a friction system.

NOTE 3 For the purposes of this European Standard, the friction system is achieved by friction pads or similar.

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

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 — Requirements and test methods for windows and doors height windows — Part 5: Devices that restrict the opening of windows*

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

variable geometry stay hinge (with or without a friction system)

hinge mechanism which has one or more link arms connecting the frame to the opening casement; the point about which the casement pivots being near the outer end of a link arm. The freedom of movement of the variable geometry stay hinge system is controlled by the friction between some or all of its moveable components

NOTE Friction is usually applied either at the pivot points or between a sliding shoe and its track.