SLOVENSKI STANDARD

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Stavbno okovje - Okovje za okna in zastekljena vrata - Zahteve in preskusne metode - 4. del: Gonilni zapahi

Building hardware - Hardware for windows and door height windows - Requirements and test methods - Part 4: Espagnolettes

Baubeschläge - Beschläge für Fenster und Fenstertüren - Teil 4: Kantenverschlüsse

Quincaillerie pour le bâtiment - Ferrures de fenêtres et portes-fenêtres - Prescription et methodes d'essais - Partie 4 : Crémones-verrous

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English Version

Building hardware - Hardware for windows and door height windows - Requirements and test methods - Part 4: Espagnolettes

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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 13126-4:2008) 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.

This document will supersede CEN/TS 13126-4:2004.

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

This European Standard is one of a series of European Standards for building hardware products. It is divided into several parts incorporating all types of windows and balcony doors.

1 Scope

This part of prEN 13126 specifies requirements and test methods for durability, strength, security and function of espagnolettes and their striker plates for use on windows and door height windows.

NOTE Espagnolettes are defined as a locking mechanism for windows and door height windows that usually have a maximum handle movement of 90º.

This European Standard does not include door bolts within the scope of EN 12051, or multi-point locks with latch and/or dead bolt within the scope of EN 12209.

2 Normative reference

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*

ISO 4520 *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 12519:2004 and the following apply.

3.1
espagnolette
locking mechanism for windows and door height windows that usually have a maximum handle movement of 90º

4 Classification

4.1 General

The classification for espagnolettes shall be in accordance with the requirements of Clause 4 of 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)

Three grades shall be identified in accordance with 5.2 of this European Standard and 4.3 of EN 13126-1:2006:

— grade 3: 10 000;

— grade 4: 15 000;

— grade 5: 25 000.

4.4 Mass (3 – third digit)

No marking is required for the mass 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 parts 1 and 4 of this European Standard.

4.7 Corrosion resistance (6 – sixth digit)

Grades shall be in accordance with 4.7 of EN 13126-1:2006 to the grades listed in EN 1670, whereby grade 3 is the minimum requirement.

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 “4” indicating the part of the European Standard which was used for testing the espagnolettes in accordance with 4.9 of EN 13126-1:2006.

4.10 Test Sizes (9 – ninth digit)

The ninth digit indicates the test sizes which were used for testing the espagnolettes in accordance with 4.10 of EN 13126-1:2006.

All sizes are stated in mm, S.R.W. = Sash Rebate Width, S.R.H. = Sash Rebate Height.

— 600 mm wide $\times$ 1 200 mm high for windows

— 900 mm wide $\times$ 2 300 mm high for door height windows

NOTE 1 In the case of availability of the espagnolette in different sizes for windows and door height windows, the espagnolette should be tested in the size for door height windows only.

NOTE 2 The stated sizes are test sizes only. They do not relate to the maximum sizes to which a window may be fabricated.

NOTE 3 The espagnolette and the striker plates should be installed in the upright side of the specimen, in accordance with the respective Sash Rebate Height of 1 200 (window) or 2 300 mm (door height window).

4.11 Example of classification for espagnolettes (EN 13126-4)

1	2	3	4	5	6	7	8	9
–	**4**	**–**	**0**	**1**	**3**	**–**	**4**	**600 / 1 200**

This denotes espagnolettes for windows and door height windows, which has:

Digit 1	category of use	- (no requirements)
Digit 2	durability	grade 4 (15 000 cycles)
Digit 3	mass	- (no requirements)
Digit 4	fire resistance	grade 0 (no requirements)
Digit 5	safety in use	grade 1
Digit 6	corrosion resistance	grade 3
Digit 7	security	- (no requirements)
Digit 8	applicable part	tested in accordance with this European Standard
Digit 9	test sizes	S.R.W[1)] = 800 mm, S.R.H[2)] = 1 200 mm

5 Requirements

5.1 General

The requirements of espagnolettes shall be in accordance with Clause 5 of EN 13126-1:2006.

5.2 Durability

Three grades are established:

— grade 3: 10 000;

— grade 4: 15 000;

— grade 5: 25 000.

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1) S.R.W. = sash rebate width

2) S.R.H. = sash rebate height