SLOVENSKI STANDARD
SIST EN 13126-7:2021

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Nadomešča:
SIST EN 13126-7:2008

Stavbno okovje - Okovje za okna in zastekljena vrata - Zahteve in preskusne metode - 7. del: Prstne zaskočke

Building hardware - Hardware for windows and door height windows - Requirements and test methods - Part 7: Finger catches

Baubeschläge - Beschläge für Fenster und Fenstertüren - Anforderungen und Prüfverfahren - Teil 7: Fallen-Schnäpper

Quincaillerie pour le bâtiment - Ferrures de fenêtres et portes-fenêtres - Exigences et méthodes d'essai - Partie 7 : Verrous de ferme-imposte

Ta slovenski standard je istoveten z: **EN 13126-7:2021**

ICS:

91.190	Stavbna oprema	Building accessories

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EUROPEAN STANDARD

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EN 13126-7

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ICS 91.190

Supersedes EN 13126-7:2007

English Version

Building hardware - Hardware for windows and door height windows - Requirements and test methods - Part 7: Finger catches

Quincaillerie pour le bâtiment - Ferrures de fenêtres et portes-fenêtres - Exigences et méthodes d'essai - Partie 7 : Verrous de ferme-imposte

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This European Standard was approved by CEN on 8 February 2021.

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. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

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

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Contents

Page

European foreword

This document (EN 13126-7:2021) 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 September 2021, and conflicting national standards shall be withdrawn at the latest by September 2021.

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 13126-7:2007.

With regard to EN 13126-7:2007, the following significant changes were made:

— EN 13126-7 now is independent from EN 13126-1; all necessary information are included without the need of any further information from EN 13126-1;

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

— terms under 3.1 'sample', 3.2 'specimen' and 3.3 'test-rig', 3.4 'sash width', 3.5 'sach height' added;

— under 4.1 classification system changed completely; former digits 1 (Category of use), 4 (Fire resistance), 5 (Safety in use), 7 (security) 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 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 5.2;

— under Clause 4.6 new example added for the new classification;

— under 5.2 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 5.4 clause for corrosion resistance added;

— under 6 headline modified with “…and preparation for the test”;

— subclauses 6.1 'Test rig', 6.2 'Specimen' and 6.3 'Mounting of specimen” added;

— under 8 new clause added regarding marking with information from the current version of EN 13126-1.

This document is one of a series of European standards for building hardware products for windows and door height windows. This document is independent of EN 13126-1.

EN 13126 consists 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 — Hardware for windows and door height windows — Requirements and test methods — 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 and Turn, Tilt-First and Turn-Only hardware;*

— EN 13126-4, *Building hardware — Requirements and test methods for windows and door 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 — Hardware for windows and door height windows — Requirements and test methods — 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 — Hardware for windows and door height windows — Part 8: Requirements and test methods for tilt and turn, Tilt-First and Turn-Only hardware;*

— EN 13126-9, *Building hardware — Requirements and test methods for windows and door height windows — Part 9: Hardware for horizontal and vertical pivot windows;*

— EN 13126-10, *Building hardware — Requirements and test methods for windows and door height windows — Part 10: Arm-balancing systems;*

— EN 13126-11, *Building hardware — Requirements and test methods for windows and door height windows — Part 11: Top hung projecting reversible hardware*;

— EN 13126-12, *Building hardware — Requirements and test methods for windows and door height windows — Part 12: Side hung projecting reversible hardware*;

— EN 13126-13, *Building hardware — Hardware for windows and balcony door — Requirements and test methods — Part 13: Sash balances*;

— EN 13126-14, *Building hardware — Hardware for windows and balcony door — Requirements and test methods — Part 14: Sash fasteners*;

— EN 13126-15, *Building hardware — Hardware for windows and balcony door — Requirements and test methods — Part 15: Rollers for sliding and hardware for sliding folding windows;*

— EN 13126-16, *Building hardware — Hardware for windows and balcony door — Requirements and test methods — Part 16: Hardware for Lift and Slide windows;*

— EN 13126-17, *Building hardware — Hardware for windows and balcony door — Requirements and test methods — Part 17: Hardware for Tilt and Slide 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 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, Turkey and the United Kingdom.

1 Scope

This document specifies the requirements and test procedures for durability, strength, security and functionality of finger catches for windows and door height windows.

2 Normative references

The following documents are referred to in the text in such a way that some of all of their contents constitute 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*

3 Terms and definitions

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

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

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

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

3.1
sample
hardware component which which is intended to be tested

3.2
specimen
window to accommodate hardware components (samples) for testing

3.3
test-rig
testing device onto which the specimen is mounted

3.4
sash width
total horizontal outer dimension of the sash

3.5
sash height
total vertical outer dimension of the sash

4 Classification

4.1 General

Finger catches shall be classified in accordance with the four box classification system (see Table 1).

Table 1 — Clasification system of hardware

box	1	2	3	4
characteristic	Durability	Mass	Corrosion resistance	Test sizes

4.2 Durability (1 – first box)

The first box shall display the grade applied to the durability test in accordance with 5.2:

— grade H1: 5 000;

— grade H2: 10 000;

— grade H3: 20 000.

4.3 Mass (2 – second box)

The second box shall display the maximum tested sash-mass.

The mass range starts from 10 kg and varies in steps of 10 kg in accordance with Table 2. An unlimited number of grades are identified, whereby 010 is the lowest.

Table 2 — Tested sash mass

Grade	010	020	030	040	050	060	070	080	090	100	...
Mass (kg)	10	20	30	40	50	60	70	80	90	100	...

4.4 Corrosion resistance (3 – third box)

The third box shall display the grade regarding corrosion resistance in accordance with 5.4.

4.5 Test sizes (4 – fourth box)

The fourth box shall display the test sizes which were used for testing the hardware as follows:

SW (= sash width) / SH (= sash height) in mm – tolerance = ± 10 mm.

— 700 mm SW / 500 mm SH.

The specified sizes are test sizes only. They do not relate to the maximum or minimum sizes to which a window may be fabricated.

The manufacturer shall ensure that with the application of the tested hardware in window sizes deviating from the test sizes (smaller or larger), the forces on the hardware do not exceed those during the durability test. This shall be displayed in the appropriate product documentation.

4.6 Example of classification for finger catches

a) Alternative 1: Table with boxes.

Table 3 — Example of classification

Standard	**Box**			
	1	**2**	**3**	**4**
EN 13126-7:2021	H2	050	2	700/500

In accordance with Clause 8 the information regarding the classification by using a table with boxes (example is shown with Table 3) shall always be shown together with the number of this standard EN 13126-7.

b) Alternative 2: Alphanumerical.

EN 13126-7:2021 H2-050-2-700/500

box 1	durability	grade H2 (10 000 cycles);
box 2	mass	50 kg;
box 3	corrosion resistance	grade 2;
box 4	test sizes	SW = 700 mm / SH = 500 mm.

5 Requirements

5.1 Dangerous substances

Materials in products should not release any dangerous substances in excess of the maximum levels specified in the European material standards and any National regulations.

5.2 Durability

The test specified in 7.2 shall be used to ensure that the finger catch is capable of continued operation after the durability test (with normal maintenance). The 3 grades for the number of cycles are specified following:

— grade H1: 5 000 cycles (+ 1 %);

— grade H2: 10 000 cycles (+ 1 %);

— grade H3: 20 000 cycles (+ 1 %).

The test shall be performed in accordance with 7.2.

5.3 Additional requirements

Table 4 — Test forces

Test sequence	Force		
	F_1 (N)	F_2 (N)	F_3 (N)
Before durability test	≤ 20	—	40 ± 1
During Durability test:	not measured	—	20 ± 1
After durability test	≤ 20	—	40 ± 1
Static load test (force shall be applied for 60 s)	—	$200\,^{+10}_{0}$	$300\,^{+15}_{0}$

The tests shall be performed in accordance with 7.2 and 7.3.