



**SLOVENSKI STANDARD**  
**SIST EN 13126-7:2008**  
**01-marec-2008**

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

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

**iTeh STANDARD PREVIEW**

Quincaillerie pour le bâtiment - Exigences et méthodes d'essai des ferrures de fenetres  
et portes-fenetres - Partie 7: Verrous de ferme-imposte

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English Version

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

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

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

This European Standard was approved by CEN on 23 August 2007.

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 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 Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

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

Management Centre: rue de Stassart, 36 B-1050 Brussels

<b>Contents</b>	<b>Page</b>
Foreword .....	3
1 Scope.....	5
2 Normative references .....	5
3 Terms and definitions.....	5
4 Classification .....	5
4.1 General .....	5
4.2 Category of use (1 – first digit) .....	5
4.3 Durability (2 – second digit).....	5
4.4 Mass (3 – third digit) .....	5
4.5 Fire resistance (4 – fourth digit) .....	5
4.6 Safety in use (5 – fifth digit) .....	5
4.7 Corrosion resistance (6 – sixth digit).....	6
4.8 Security (7 – seventh digit) .....	6
4.9 Application (8 – eighth digit).....	6
4.10 Test sizes – Size limitations (9 – ninth digit).....	6
4.11 Example of classification for finger catches.....	6
5 Requirements .....	6
5.1 General .....	6
5.2 Additional tests .....	7
5.2.1 Mechanical resistance .....	7
5.2.2 Durability.....	7
6 Test equipment.....	7
7 Test methods.....	7
7.1 Samples .....	7
7.2 Durability test .....	8
7.3 Static load test.....	8
7.4 Corrosion resistance .....	8
Annex A (informative) Test assembly.....	9
Annex B (normative) Flowchart of test procedure.....	10
Bibliography .....	11

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(standards.iteh.ai)

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## Foreword

This document (EN 13126-7:2007) 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 supersedes CEN/TS 13126-7:2004.

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 April 2008, and conflicting national standards shall be withdrawn at the latest by April 2008.

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 handles<sup>1)</sup>

Part 3: Manoeuvring fittings for espagnolette bolts/sliding button<sup>1)</sup>

Part 4: Espagnolette bolts<sup>1)</sup>

Part 5: Specification for devices that restrict the opening of windows

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

Part 7: Finger catches

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

Part 9: Pivot hinges<sup>1)</sup>

Part 10: Specification for arm balancing systems

Part 11: Specification for top hung fittings

Part 12: Specification for side hung fittings

Part 13: Sash balances<sup>1)</sup>

Part 14: Sash fasteners<sup>1)</sup>

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

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

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

## EN 13126-7:2007 (E)

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.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

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## 1 Scope

This European Standard 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 referenced documents are indispensable for the application of this European Standard. 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*

## 3 Terms and definitions

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

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## 4 Classification

### 4.1 General

SIST EN 13126-7:2008

The classification for finger catches 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)

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 is identified in accordance with 4.6 of EN 13126-1:2006

— grade 1: The hardware shall conform to the requirements of parts 1 and 7 of this standard.

#### 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 use in accordance with 4.8 of EN 13126-1:2006.

#### 4.9 Application (8 – eighth digit)

The eighth digit shows “7” indicating the part of the standard which was used for testing the finger catches in accordance with 4.9 of EN 13126-1:2006.

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

The ninth digit shows the window size in which the component has been tested as a single piece of hardware in accordance with 4.10 of EN 13126-1:2006 as follows: S.R.W.<sup>1)</sup> = 700 mm / S.R.H.<sup>2)</sup> = 500 mm – tolerance ± 5 mm.

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

NOTE The manufacturer’s product-documentation should advise that in daily use windows smaller or larger than those tested should not be subjected to stronger forces than those for the specified test size.

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#### 4.11 Example of classification for finger catches

1	2	3	4	5	6	7	8	9
-	3	050	0	1	2	-	7	700/500

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This denotes finger catches, which has:

Digit 1	category of use	- (no requirements)
Digit 2	durability	grade 3 (10 000 cycles)
Digit 3	mass	50 kg
Digit 4	fire resistance	grade 0 (no requirements)
Digit 5	safety in use	grade 1
Digit 6	corrosion resistance	grade 2
Digit 7	security	- (no requirements)
Digit 8	applicable part	tested according to this European Standard
Digit 9	test sizes	S.R.W <sup>2)</sup> = 700 mm, S.R.H <sup>3)</sup> = 500 mm

## 5 Requirements

### 5.1 General

Finger catches shall be in accordance with Clause 5 of EN 13126-1:2006.

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

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



## 5.2 Additional tests

### 5.2.1 Mechanical resistance

There shall be no breakage or deformation of any part during the test sufficient to prevent normal operation of the catch.

### 5.2.2 Durability

One grade is identified in accordance with 4.3 of EN 13126-1:2006 and with Table 1.

— Grade 3: 10 000 cycles.

**Table 1 — Test forces**

Test sequence	Force		
	$F_1$ (N)	$F_2$ (N)	$F_3$ (N)
Before durability test	$\leq 20$	—	$40 \pm 1$
During Durability test: — 10 000 cycles	not measured	—	$20 \pm 1$
After durability test	$\leq 20$	—	$40 \pm 1$
Static load test (force shall be applied for 60 s)	—	$200 \begin{smallmatrix} +10 \\ 0 \end{smallmatrix}$	$300 \begin{smallmatrix} +15 \\ 0 \end{smallmatrix}$

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## 6 Test equipment

SIST EN 13126-7:2008

The finger catches shall be fitted to a test rig as specified in Clause 6 of EN 13126-1:2006 using a simulated casement or sash in accordance with the manufacturer's fixing instructions (see Annex A, Figure A.1).

If there is no fitting location in the manufacturer's fixing instructions, mount the sample finger operated catch and keep it to the centre of the top rail of casement or sash.

## 7 Test methods

### 7.1 Samples

Three test samples shall be used for testing in accordance with this European Standard as follows:

- sample A – performance tests;
- sample B – corrosion tests;
- sample C – retained for reference control.

NOTE 1 Sample B should only be necessary if no test report can be supplied by the manufacturer regarding the testing of the hardware component or set in accordance with EN 1670.

NOTE 2 Sample C should be retained by the test institute for the duration of the validity of the test report.