



NSAI
Standards

Irish Standard
I.S. EN 13126-2:2021

Building hardware - Hardware for
windows and door height windows -
Requirements and test methods - Part 2:
Window fastener handles

I.S. EN 13126-2:2021

Incorporating amendments/corrigenda/National Annexes issued since publication:

The National Standards Authority of Ireland (NSAI) produces the following categories of formal documents:

I.S. xxx: Irish Standard — national specification based on the consensus of an expert panel and subject to public consultation.

S.R. xxx: Standard Recommendation — recommendation based on the consensus of an expert panel and subject to public consultation.

SWiFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

This document replaces/revises/consolidates the NSAI adoption of the document(s) indicated on the CEN/CENELEC cover/Foreword and the following National document(s):

NOTE: The date of any NSAI previous adoption may not match the date of its original CEN/CENELEC document.

This document is based on:

EN 13126-2:2021

Published:

2021-03-31

This document was published under the authority of the NSAI and comes into effect on:

2021-04-18

ICS number:

91.190

NOTE: If blank see CEN/CENELEC cover page

NSAI
1 Swift Square,
Northwood, Santry
Dublin 9

T +353 1 807 3800
F +353 1 807 3838
E standards@nsai.ie
W NSAI.ie

Sales:
T +353 1 857 6730
F +353 1 857 6729
W standards.ie

Údarás um Chaighdeáin Náisiúnta na hÉireann

National Foreword

I.S. EN 13126-2:2021 is the adopted Irish version of the European Document EN 13126-2:2021, Building hardware - Hardware for windows and door height windows - Requirements and test methods - Part 2: Window fastener handles

This document does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

For relationships with other publications refer to the NSAI web store.

Compliance with this document does not of itself confer immunity from legal obligations.

In line with international standards practice the decimal point is shown as a comma (,) throughout this document.

This page is intentionally left blank

EUROPEAN STANDARD

EN 13126-2

NORME EUROPÉENNE

EUROPÄISCHE NORM

March 2021

ICS 91.190

Supersedes EN 13126-2:2011

English Version

Building hardware - Hardware for windows and door height windows - Requirements and test methods - Part 2: Window fastener handles

Quincaillerie pour le bâtiment - Ferrures de fenêtres et
portes-fenêtres - Exigences et méthodes d'essai - Partie
2 : Poignées à ergot de verrouillage

Baubeschläge - Beschläge für Fenster und Fenstertüren
- Anforderungen und Prüfverfahren - Teil 2:
Einreiberverschlüsse

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.

CEN members are the national standards bodies of 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 United Kingdom.



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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

Contents

	Page
European foreword.....	3
1 Scope	6
2 Normative references	6
3 Terms and definitions	6
4 Classification.....	8
4.1 General.....	8
4.2 Durability (1 - first box)	8
4.3 Mass (2 - second box).....	8
4.4 Corrosion resistance (3 - third box)	8
4.5 Test sizes (4 - fourth box).....	8
4.6 Security against burglar attack (5 - fifth box)	8
4.7 Key related security (6 - sixth box).....	8
4.8 Example of classification for window fastener handles.....	9
5 Requirements	9
5.1 Dangerous substances.....	9
5.2 Operating torque.....	9
5.3 Torsion strength.....	9
5.4 Tensile strength - eccentric	10
5.5 Simulated pressure	10
5.6 Pull-in	10
5.7 Durability	10
5.8 Security	10
5.9 Corrosion resistance.....	12
6 Test equipment and preparation for the test	12
7 Test procedure	12
7.1 Samples.....	12
7.2 Operating torque test procedure	13
7.3 Torsion strength test procedure	13
7.4 Tensile strength test procedure - eccentric.....	13
7.5 Simulated pressure test procedure	13
7.6 Pull-in test.....	14
7.7 Durability test procedure.....	14
7.8 Security	14
7.9 Corrosion resistance	15
8 Marking.....	16
Annex A (informative) Flow chart of test procedures.....	17
Annex B (informative) Figures	19
Bibliography.....	22

European foreword

This document (EN 13126-2:2021) 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 13126-2:2011.

With regard to EN 13126-2:2011, the following significant changes were made:

- EN 13126-2 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 3.4 'locking mechanism", 3.10 'sample', 3.11 'specimen' and 3.12 'test-rig' added; term under 3.6 'key operated locking mechanism' modified for better understanding;
- under 4.1 classification system changed completely; former digits 1 (Category of use), 4 (Fire resistance), 5 (Safety in use) 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); former digit 7 changed into box 5 (Security against burglar attack), new box 6 (Key related security);
- under 4.2 new grades for the number of cycles defined; H1 (5 000), H2 (10 000) and H3 (20 000); see also 5.7;
- under 4.8 new example added for the new classification;
- under 5.7 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 5.8.1 former Table 2 deleted; all values are listed unchanged in the corresponding clauses and subclauses;
- under 5.8.2 the number of cycles adapted to the newly defined grades for the durability;
- under 5.8.4 and 5.8.5 grade 3 added with 200 Nm;
- under 5.8.6 subclause for locking variations regarding key related security added;
- under 5.9 subclause for corrosion resistance added;
- under 6 headline modified with “...and preparation for the test”;
- under 7.8 subclause for security added with new structure;

EN 13126-2:2021 (E)

- under Clause 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.

EN 13126-2:2021 (E)

1 Scope

This document specifies requirements and test methods for durability, strength, security and functionality of window fastener handles.

This document does not apply to the following hardware:

- a) handles - primarily for Tilt and Turn, Tilt-First and Turn-Only hardware, refer to EN 13126-3;
- b) sash fasteners, refer to EN 13126-14;
- c) sliding closing devices, refer to EN 13126-19.

NOTE The handles covered by this document do not have a spindle and the spur is primarily used to achieve the locked closed position.

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

window fastener handle

operating device to hold the window in a closed position, with or without a locking mechanism (key-operated or a non key operated)

Note 1 to entry: Also known as Cockspur handles.

3.2

spur

part projecting from the handle that interacts with the compression wedge / keeper to close the window to give the desired pull-in

3.3

pull-in

distance the sash is moved towards the frame during operation of a window fastener handle from the initial contact of the handle spur to the fully closed position

3.4

locking mechanism

assembly of components to ensure the locked position of the handle and to prevent the movement of the handle from the locked position

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

-
- [Looking for additional Standards? Visit Intertek Inform Infostore](#)
 - [Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation](#)
-