Akna- ja uksetarvikud. Ukselingid ja -nupud. Nõuded ja katsemeetodid

Building hardware - Lever handles and knob furniture - Requirements and test methods

EESTI STANDARDIKESKUS
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NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 1906:2010 sisaldab Euroopa standardi EN 1906:2010 ingliskeelset teksti.	This Estonian standard EVS-EN 1906:2010 consists of the English text of the European standard EN 1906:2010.
Standard on kinnitatud Eesti Standardikeskuse 30.06.2010 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.	This standard is ratified with the order of Estonian Centre for Standardisation dated 30.06.2010 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.
Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 14.04.2010.	Date of Availability of the European standard text 14.04.2010.
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Building hardware - Lever handles and knob furniture - Requirements and test methods

Quincaillerie pour le bâtiment - Béquilles et boutons de porte - Exigences et méthodes d'essai

Schlösser und Baubeschläge - Türdrücker und Türknäufe - Anforderungen und Prüfverfahren

This European Standard was approved by CEN on 11 March 2010.

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.

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Foreword

This document (EN 1906:2010) 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 October 2010, and conflicting national standards shall be withdrawn at the latest by October 2010.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 1906:2002.

Contribution to the preparation of this standard has been made from the European manufacturers' organisation "ARGE".

This document is part of a series of European Standards dedicated to building hardware products.

Compliance of a set of lock or latch furniture with this European Standard conforms to requirements in normal use for safety in use and for safety in case of fire.

In this document, Annexes A and C are normative and Annexes B and D are informative.

Normative and informative annexes to this document are indicated in the contents.

Compliance with this European Standard ensures a margin of strength in excess of that needed for normal operation. Additional requirements are necessary for special safety furniture which is for use in situations where there is a high risk of failure. Since special safety furniture is not essential in every situation, this European Standard provides additional safety requirements (see 5.13) which are only necessary when the manufacturer claims that the safety furniture conforms to these requirements.

This document states five grades of security. Grade 0 in accordance with requirements specified in the main part of this document. Grades 1 to 4 are specified in accordance with requirements for security lock furniture for use on burglary resistant doors (see Annex A). These additional security requirements are necessary only when the manufacturer claims that products have a high level of security, which is not essential in every situation.

The suitability of lock or latch furniture for use on fire/smoke door assemblies is determined by fire performance tests in addition to the performance tests specified by this standard. Since suitability for use on fire/smoke door assemblies is not essential in every situation, the manufacturer has the option of stating whether the furniture is claimed to conform to these additional requirements or not. If so stated the additional requirements given in Annex C are necessary.

Annex C refers to all kinds of lock or latch furniture for use on fire/smoke door assemblies, and their use on single leaf or double leaf doors.

A product conforming to this standard can also be part of an exit device in accordance with EN 179.

In order to claim conformance to EN 1906 all requirements of Table 1 – Main test parameters, should be declared.

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, Croatia, 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 the United Kingdom.

1 Scope

This European Standard specifies test methods and requirements for spindle and fastening elements, operating torques, permissible free play and safety, free angular movement and misalignment, durability, static strength and corrosion resistance for sprung and unsprung lever handles, knobs for doors, push pads and similar in combination with backplates or roses operating latches.

This document is applicable only to lever handles and knobs that operate a latch or a lock and other devices.

It specifies four categories of use according to frequency and other conditions of use.

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 314-2:1993, *Plywood — Bonding quality — Part 2: Requirements*

EN 636:2003, *Plywood — Specifications*

EN 1634-1, *Fire resistance and smoke control tests for door, shutter and openable window assemblies and elements of building hardware — Part 1: Fire resistance tests for doors, shutters and openable windows*

EN 1634-2, *Fire resistance and smoke control tests for door, shutter and openable window assemblies and elements of building hardware — Part 2: Fire resistance characterisation test for elements of building hardware*

EN 1634-3, *Fire resistance and smoke control tests for door and shutter assemblies, openable windows and elements of building hardware — Part 3: Smoke control test for door and shutter assemblies*

EN 1670:2007, *Building hardware — Corrosion resistance — Requirements and test methods*

EN ISO/IEC 17025, *General requirements for the competence of testing and calibration laboratories (ISO/IEC 17025:2005)*

ISO 10899, *High-speed steel two-flute twist drills — Technical specifications*

3 Terms and definitions

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

3.1
backplate
element generally, but not essentially, approximately rectangular in plan whose purpose is, firstly, functional to provide a bearing for the rotation of a door lever handle or knob and the means of attachment to the door and, secondly, decorative as a trim plate to cover holes provided in the door for the passage of spindles, keys or lock cylinders

NOTE E.g. in Figure 1a).