



SLOVENSKI STANDARD
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Stavbno okovje - Mehanske ključavnice in prijemniki - Zahteve in preskusne metode

Building hardware - Mechanically operated locks and locking plates - Requirements and test methods

Schlösser und Baubeschläge - Mechanisch betätigte Schlösser und Schließbleche - Anforderungen und Prüfverfahren

Quincaillerie pour le bâtiment - Serrures mécaniques et gâches - Exigences et méthodes d'essai

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Quincaillerie pour le bâtiment - Serrures mécaniques et gâches - Exigences et méthodes d'essai

Schlösser und Baubeschläge - Mechanisch betätigte Schlösser und Schließbleche - Anforderungen und Prüfverfahren

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

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Foreword

This document (FprEN 12209:2015) 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 EN 12209:2003.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For relationship with EU Directive(s), see informative Annex ZA, which is an integral part of this document.

This European Standard is one of a series of European Standards dedicated to building hardware products.

European standards for electromechanically operated locks and locking plates (EN 14846) and for mechanically operated multi-point locks (prEN 15685) are also available.

The performance tests incorporated in this standard are considered to be reproducible and as such provide a consistent and objective assessment of the performance of these products throughout CEN Members.

The major changes in this revision are as follows:

- a) the type of lock that has been named latch is now integrated in the definition of locks;
- b) the number of classification has been reduced
 - 1) field of door application have been integrated in product information;
 - 2) type of key operation and locking is moved to Security and drill resistance;
 - 3) type of spindle operation have been integrated in product information;
- c) suitability for use on fire resistance and/or smoke control door set introduces new classification. Grade 0, A, B and N is shown in Annex A;
- d) temperature range changed to -10 °C to $+60\text{ °C}$;
- e) requirements, test methods, forces, torques, figures and tables have been renumbered;
- f) new requirement for product information have been added;
- g) grades for durability with 10 N side force is deleted;
- h) the document EN 12209:2003/AC:2005 has been integrated in this issue;
- i) assessment and verification of constancy of performance – AVCP have replaced Evaluation of conformity
 - 1) Annex ZA have been rewritten to include CPR format.

NOTE A lock conforming to this European Standard can at the same time be part of an exit device in accordance with EN 179 or EN 1125.

Introduction

Mechanically operated locks and their locking plates used in fire resistant and/or smoke control door assemblies require additional attributes in order to conform to the Essential Requirement “Safety in case of fire” as a part of a complete assembly. Additional requirements for locks and their locking plates used on fire resistant and/or smoke control door assemblies are specified in Annex A.

Mechanically operated locks and latches and their locking plates specifies requirements and test methods for durability, strength, security, and functionality and they are

- for use on doors, in buildings;
- for use on fire and smoke compartmentation doors fitted with door closing devices, to enable such doors to close reliably and thus achieve self-closing in the event of fire; and
- for use on locked fire doors to maintain the fire integrity of the door assembly.

This standard specifies locks and locking systems intended for use in different environmental and security conditions, thus necessitating different grades.

This European Standard specifies the dimensions and properties required for security and for the assessment of fire resistance and/or smoke control door suitability.

This European Standard does not specify any particular design or installation.