

**Akna- ja uksetarvikud. Uste
sulgumiskoordinaatorid. Nõuded ja
katsemeetodid**

Building hardware - Door coordinator devices -
Requirements and test methods

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 1158:1999 sisaldab Euroopa standardi EN 1158:1997 ingliskeelset teksti.

Standard on kinnitatud Eesti Standardikeskuse 23.11.1999 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.

Standard on kättesaadav Eesti standardiorganisatsioonist.

This Estonian standard EVS-EN 1158:1999 consists of the English text of the European standard EN 1158:1997.

This standard is ratified with the order of Estonian Centre for Standardisation dated 23.11.1999 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.

The standard is available from Estonian standardisation organisation.

ICS 91.190

Standardite reprodutseerimis- ja levitamiseõigus kuulub Eesti Standardikeskusele

Andmete paljundamine, taastekitamine, kopeerimine, salvestamine elektroonilisse süsteemi või edastamine ükskõik millises vormis või millisel teel on keelatud ilma Eesti Standardikeskuse poolt antud kirjaliku loata.

Kui Teil on küsimusi standardite autorikaitse kohta, palun võtke ühendust Eesti Standardikeskusega:
Aru 10 Tallinn 10317 Eesti; www.evs.ee; Telefon: 605 5050; E-post: info@evs.ee

Right to reproduce and distribute Estonian Standards belongs to the Estonian Centre for Standardisation

No part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying, without permission in writing from Estonian Centre for Standardisation.

If you have any questions about standards copyright, please contact Estonian Centre for Standardisation:
Aru str 10 Tallinn 10317 Estonia; www.evs.ee; Phone: +372 605 5050; E-mail: info@evs.ee

ICS 91.190.00

Descriptors: hardware, buildings, doors, hinged doors, fire doors, door leaves, door closing devices, selection, definitions, classifications, specifications, performance evaluation, installation, tests, fatigue tests, performance tests, corrosion resistance, marking

English version

**Building hardware - Door coordinator devices -
Requirements and test methods**

Quincaillerie pour le bâtiment - Dispositifs de
sélection de vantaux - Prescriptions et
méthodes d'essai

Schlösser und Baubeschläge - Schließfolgeregler
- Anforderungen und Prüfverfahren

This European Standard was approved by CEN on 1997-01-17. 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 Central Secretariat or to any CEN member.

The European Standards exist 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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

Contents

Foreword 3

1 Scope..... 3

2 Normative references 4

3 Definitions 4

4 Classification..... 6

5 Requirements..... 8

6 Test apparatus 10

7 Test methods 11

8 Marking..... 15

**Annex A (normative) Additional requirements for door coordinator devices
intended for use on fire/smoke door assemblies..... 17**

**Annex B (informative) Illustrations of door coordinator devices and meeting
stile details..... 18**

Annex C (normative) Flow chart of test procedure 20

This document is a preview generated by EVS

Foreword

This European Standard 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 August 1997, and conflicting national standards shall be withdrawn at the latest by August 1997.

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

Work is in progress in order to support the implementation of the European Standards by evidence which demonstrates the conformity of products to the technical requirements set out in those standards.

In order not to delay the publication of the present European Standard, those conformity assessment criteria related to Door coordinator devices will be published separately. They will be incorporated in this European Standard when next revised.

Normative and informative annexes are indicated in the contents list.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

1 Scope

This European Standard specifies requirements for door coordinator devices for double leaf swing doors fitted with door closers, and includes both separately mounted devices and mechanisms incorporated in door closers. Door coordinator devices are used where it is necessary to ensure the correct sequence of closing of double leaf swing doors, for example doors with rebated meeting stiles.

Door coordinator devices manufactured in accordance with this European Standard are recommended for use wherever there is a requirement for reliable sequential closing of double leaf swing fire/smoke doors incorporating rebated meeting stiles.

Door coordinator devices for use on fire/smoke doors need additional attributes in order to contribute actively to meeting the essential requirements of safety in case of fire, either independently or as part of a complete door assembly.

These additional requirements for door coordinator devices for use on a fire/smoke door assembly are specified in normative annex A.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

EN 1154	Building hardware - Controlled door closing devices - Requirements and test methods.
prEN 1155	Building hardware - Electrically powered hold-open devices for swing doors - Requirements and test methods.
prEN 1670	Building hardware - Corrosion resistance for hardware for doors, windows, shutters and curtain walling - Requirements and test methods.
prEN 1634	Fire testing of door and shutter assemblies

3 Definitions

For the purpose of this European Standard, the following definitions apply :

3.1 door coordinator devices

3.1.1 gravity arm coordinator

See annex B, figure B 1.1.

3.1.2 swing arm coordinator

See annex B, figure B.1.2.

3.1.3 double arm swing coordinator

See annex B, figure B.1.3.

3.1.4 coordinator incorporated in a door closing device

See annex B, figures B.1.4a and B.1.4b.