



**NSAI**  
Standards

Irish Standard  
I.S. EN 1154:1997

# Building hardware - Controlled door closing devices - Requirements and test methods

## I.S. EN 1154:1997

*Incorporating amendments/corrigenda issued since publication:*

EN 1154:1996/A1:2002

EN 1154:1996/A1:2002/AC:2006

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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.

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I.S. EN 1154:1997

EUROPEAN STANDARD

**EN 1154:1996/A1:2002/AC**

NORME EUROPÉENNE

February 2006

EUROPÄISCHE NORM

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ICS 97.190

English version  
Version Française  
Deutsche Fassung

Buiding hardware - Controlled door closing devices - Requirements and  
test methods

Quicaillerie pour le bâtiment - Dispositifs de  
fermeture de porte avec amortissement -  
Prescriptions et méthodes d'essai

Schlösser und Baubeschläge -  
Türschließmittel mit kontrolliertem  
Schließablauf - Anforderungen und  
Prüfverfahren

This corrigendum becomes effective on 22 February 2006 for incorporation in the three official language versions of the EN.

Ce corrigendum prendra effet le 22 février 2006 pour incorporation dans les trois versions linguistiques officielles de la EN.

Die Berichtigung tritt am 22. Februar 2006 zur Einarbeitung in die drei offiziellen Sprachfassungen der EN in Kraft.



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

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

## English version

**Clause 4.8, example classification box:** *The third box to contain a digit "5" with a digit "2" underneath it. (English version only).*

*Replace penultimate paragraph of ZA.3 with the following: "The CE marking symbol and items a) to g) above shall accompany the product and shall be included with the installation instructions. Additionally, at least the CE marking symbol and item a) of all of this information shall be affixed to the door closing device and optionally, on its packaging".*

## Version française

**Paragraphe 4.8, Exemple de classification :** Dans la version anglaise, la troisième case doit contenir le caractère « 5 » et en dessous le caractère « 2 ».  
Remplacer l'avant dernier alinéa du paragraphe **ZA.3 « Marquage CE et étiquetage »** par :  
Le symbole du marquage CE et les points a) à g) doivent être inclus dans les instructions de montage accompagnant le produit. En complément, le symbole du marquage CE et le point a) de ces informations doivent au moins être apposés sur le ferme-porte et optionnellement sur son emballage. »

## Deutsche Fassung

**Abschnitt 4.8, Beispiel für die Klassifizierung:** Das dritte Feld enthält die Zahl "5" mit der Zahl "2" darunter. (nur englische Fassung).

*Der vorletzte Absatz in Anhang ZA.3 wird wie folgt ersetzt:* Das CE Kennzeichnungssymbol und die obigen Angaben a) bis g) müssen in der dem Produkt beigelegten Montageanleitung enthalten sein. Zusätzlich müssen mindestens das CE-Kennzeichnungssymbol und Punkt a) all dieser Angaben auf dem Türschließer und wahlweise auf seiner Verpackung angebracht werden.

ICS 97.190

English version

## Buiding hardware - Controlled door closing devices - Requirements and test methods

Quicaillerie pour le bâtiment - Dispositifs de fermeture de  
porte avec amortissement - Prescriptions et méthodes  
d'essai

Schlösser und Baubeschläge - Türschließmittel mit  
kontrolliertem Schließablauf - Anforderungen und  
Prüfverfahren

This amendment A1 modifies the European Standard EN 1154:1996; it was approved by CEN on 7 November 2002.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for inclusion of this amendment into the relevant national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Management Centre or to any CEN member.

This amendment 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 Management Centre has the same status as the official versions.

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



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

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

## Foreword

This document (EN 1154:1996/A1:2002) 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 June 2003, and conflicting national standards shall be withdrawn at the latest by September 2004.

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.

**NOTE** This amendment refers only to requirements under the Construction Products Directive (89/106/EEC), and CE marking is considered only in regard to this Directive. Where full CE marking may require compliance with other directives it is understood that this is done by following the relevant risk assessment(s) of these other directives, performed in addition to the requirements of this standard.

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

## Foreword

⇒ Insert the following new third paragraph: "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 89/106/EEC"

⇒ Insert the following new fourth paragraph: "For relationship with EU directive 89/106/EEC, see informative annex ZA which is an integral part of this document".

⇒ Insert new fifth paragraph: "Wherever reference is made to classes, they are considered to be technical classes and not classes according to Article 3(2) of the Construction Products Directive (89/106/EEC)".

Delete fourth and fifth paragraphs.

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⇒ *Insert 9:* Evaluation of conformity;

⇒ *insert:* Annex ZA (informative) - Clauses of this European Standard addressing the provisions of the EU Construction Products Directive (89/106/EEC)

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## 1 Scope

Final paragraph, replace "prEN 1155" with "EN 1155".

⇒ Insert new paragraph: "Door closers incorporating door coordinator devices (with or without electrically powered hold-open devices) are covered by EN 1158".

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## 2 Normative references

*Replace "prEN 1155" with "EN 1155".*

*Replace "prEN 1670" with "EN 1670:1998".*

*Replace "prEN 1634" with "EN 1634-1 Fire resistance tests for door and shutter assemblies - Part 1: Fire doors and shutters"*

⇒ *Insert:* "EN 1634-3 Fire resistance tests for door and shutter assemblies - Part 3: Smoke control doors and shutters"

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## 3 Terms and definitions

**3.2** *Delete "annex C."*

**3.3** *Delete "annex C."*

I.S. EN 1154:1997

EUROPEAN STANDARD

EN 1154

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 1996

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ICS 91.060.50; 97.180

Descriptors: hardware, buildings, doors, hinged doors, door closing devices, stopping devices, shock absorbers, definitions, classifications, specifications, performance evaluation, installation, tests, fatigue tests, performance tests, corrosion resistance, marking

English version

## **Building hardware - Controlled door closing devices - Requirements and test methods**

Quincaillerie pour le bâtiment - Dispositifs de fermeture de porte avec amortissement - Prescriptions et méthodes d'essai

Schlösser und Baubeschläge - Türschließmittel mit kontrolliertem Schließablauf - Anforderungen und Prüfverfahren

This European Standard was approved by CEN on 1996-09-28. 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



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## 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 May 1997, and conflicting national standards shall be withdrawn at the latest by May 1997.

This European Standard is part of a package of European Standards dedicated to building hardware products, and derives from performance requirements contained in various texts cited in annex E.

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 standard, those conformity assessment criteria related to controlled door closing devices will be published separately. They will be incorporated in this standard when next revised.

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 standard specifies requirements for controlled door closing devices for swing doors, such devices being mounted on or in the frame, on or in the door, or in the floor.

The scope is limited to manually operated door closing devices where the energy for closing is generated by the user upon opening the door, such that when the door is released, it returns to a closed position, in a controlled manner.

Devices such as spring hinges, which do not exert a checking control during door closing, are outside the scope of this standard.

Door closing devices (door closers) manufactured in accordance with this standard are recommended for use wherever there is a requirement for reliable closing control of a door.

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

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

Door closers incorporating electrically powered hold-open mechanisms, for use on fire/smoke door assemblies, are covered by prEN 1155.

## 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.

prEN 1155		Building hardware - Electrically powered hold-open devices for swing doors - Requirements and test methods
prEN 1670	1994	Building hardware - Corrosion resistance of hardware for doors, windows, shutters and curtain walling - Requirements and test methods
prEN 1634		Fire testing of door and shutter assemblies

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