

Australian Standard[®]

Locksets and hardware for doors and windows

**Part 5: Controlled door closing devices
(EN 1154:1996, MOD)**

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STANDARDS
Australia



This Australian Standard® was prepared by Committee CS-082, Lockets and Hardware. It was approved on behalf of the Council of Standards Australia on 30 November 2011. This Standard was published on 22 December 2011.

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- Architectural Door Hardware Association
 - Australian Industry Group
 - Australian New Zealand Locksmiths Association
 - Australian Window Association
 - Certification Interests (Australia)
 - Insurance Council of Australia
 - NSW Police Force
 - Security Construction & Equipment Committee
 - University of Western Sydney
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PREFACE

This Standard was prepared by the Standards Australia Committee CS-082, Lockets and Hardware.

This Standard incorporates Amendment No. 1 (September 2013). The changes required by the Amendment are indicated in the text by a marginal bar and amendment number against the clause, note, table, figure or part thereof affected.

The objective of this Standard is to specify requirements for controlled door closing devices for swing doors, such as devices being mounted on or in the frame, on or in the door, or in the floor.

A1 | This Standard is an adoption with national modifications and has been reproduced from EN 1154:1996, *Building hardware—Controlled door closing devices—Requirements and test methods* and has been varied as indicated to take account of Australian conditions. The Australian variations are listed in Appendix ZZ at the end of the source text. Additional requirements on backlock angle measurement are given in Appendix ZA.

As this Standard is reproduced from a European Standard, the following applies:

- (a) Its number appears on the cover and title page.
- (b) In the source text ‘this European Standard’ should read ‘this Australian Standard’.
- (c) A full point substitutes for a comma when referring to a decimal marker.

The terms ‘normative’ and ‘informative’ have been used in this Standard to define the application of the annex or appendix to which they apply. A ‘normative’ annex or appendix is an integral part of a Standard, whereas an ‘informative’ annex or appendix is only for information and guidance.

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AUSTRALIAN STANDARD

Locksets and hardware for doors and windows**Part 5:****A1 | Controlled door closing devices (EN 1154:1996, MOD)****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 mechanism, for use on fire/smoke door assemblies, are covered by A1 EN 1155. A1

A1 Door closers incorporating door coordinator devices (with or without electrically powered hold-open devices) are covered by EN 1158. A1

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.

A1 EN 1155 A1, *Building hardware — Electrically powered hold-open devices for swing doors — Requirements and test methods.*

A1 EN 1670:1998 A1, *Building hardware — Corrosion resistance of hardware for doors, windows, shutters and curtain walling — Requirements and test methods.*

A1 EN 1634-1, *Fire resistance tests for door and shutter assemblies — Part 1: Fire doors and shutters.* A1

A1 EN 1634-3, *Fire resistance tests for door and shutter assemblies — Part 3: Smoke control doors and shutters.* A1

3 Definitions

For the purposes of this standard, the following definitions apply:

3.1**controlled door closing device (door closer)**

a manually operated door closing mechanism where the energy for closing is generated by the user upon opening the door, and when released, returns the door to the closed position, in a controlled manner. The term includes all arms, brackets, shoes, top centres, floor pivots and other parts supplied with the device and necessary for its installation and operation

3.2**overhead door closer surface mounted**

a door closer mounted at or near the door head, on the surface of the door or its transom

(A1 see Figure C.1.1 A1)

3.3**overhead concealed door closer door mounted**

a door closer, mounted within the thickness of the door (A1 see Figure C.1.2 A1)