



## **Locksets and hardware for doors and windows**

### **Part 2: Mechanical locksets for doors and windows in buildings**



This Australian Standard® was prepared by Committee CS-082, Locksets and Hardware. It was approved on behalf of the Council of Standards Australia on 5 February 2008. This Standard was published on 28 April 2008.

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The following are represented on Committee CS-082:

- Architectural Hardware Industry Association
  - ASIS Australia Chapter
  - Australian Chamber of Commerce and Industry
  - Australian Industry Group
  - Australian Window Association
  - Certification Interests (Australia)
  - Locksmiths Guild of Australia
  - Master Locksmiths Association of Australasia
  - New South Wales Police Force
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Standards Australia wishes to acknowledge the participation of the expert individuals that contributed to the development of this Standard through their representation on the Committee and through the public comment period.

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Australian Standard<sup>®</sup>

## **Locksets and hardware for doors and windows**

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## PREFACE

This Standard was prepared by the Standards Australia Committee CS-082, Locksets, to supersede AS 4145.2—1993, *Locksets, Part 2: Mechanical locksets for doors in buildings* and AS 4145.3—2001, *Locksets, Part 3: Mechanical locksets for windows in buildings*.

*This Standard incorporates Amendment No. 1 (December 2009) and Amendment No. 2 (September 2015). 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 provide general design and performance criteria and testing procedures for locksets and latchsets. It covers locksets in residential and commercial buildings. This Standard also includes performance requirements for cylinders supplied separately for installation in locksets.

Statements expressed in mandatory terms in notes to tables and figures are deemed to be requirements of this Standard.

The term ‘normative’ has been used in this Standard to define the application of the Appendix to which it applies. A ‘normative’ Appendix is an integral part of a Standard.

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## STANDARDS AUSTRALIA

## Australian Standard

**Locksets and hardware for doors and windows**

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## SECTION 1 SCOPE AND GENERAL

**1.1 SCOPE**

This Standard specifies general design criteria, performance requirements, and procedures for testing mechanical locksets and latchsets for their resistance to forced or unauthorized entry and efficiency under conditions of light to heavy usage.

This Standard covers locksets for typical doorways, such as wooden, glass or metal-hinged swinging doors or sliding doors in residential and business premises, including public buildings, warehouses and factories. Requirements for both the lock and associated furniture are included.

Certain areas requiring higher level locking devices (e.g., locking bars, electronic locking devices, detection devices, alarms) are not covered by this Standard.

The Standard also includes performance requirements for cylinders supplied separately for installation in locksets and corrosion resistance requirements.

**1.2 APPLICATION**

This Standard shall be read in conjunction with AS 4145.1.

NOTE: Other documents which should be consulted are AS 1428.1, AS 1905.1 and the Building Code of Australia (BCA) for specific purpose doors in buildings.

This Standard is intended for use when assessing the security and durability of a lockset. Locksets for use in fire doors, egress doors and emergency exits are subject to further requirements or regulations in the interests of personal safety.

**1.3 NORMATIVE REFERENCES**

The following documents are indispensable for the application of this Standard:

NOTE: Documents referenced for informative purposes are listed in the Bibliography (see Appendix G)

AS

2331	Methods of test for metallic and related coatings
2331.3.1	Method 3.1: Corrosion and related property test—Neutral salt spray test (NSS test)
2796	Timber—Hardwood—Sawn and milled products
2796.1	Part 1: Product specification
4145	Locksets
4145.1	Part 1: Glossary of terms
BCA	Building Code of Australia
ISO/IEC 17025	General requirements for the competence of testing and calibration laboratories