

Australian Standard™

Locksets

**Part 3: Mechanical locksets for
windows in buildings**



This Australian Standard was prepared by Committee CS-082, Locksets. It was approved on behalf of the Council of Standards Australia on 30 March 2001 and published on 5 May 2001.

The following interests are represented on Committee CS-082:

Architectural Hardware Industry Association
Australian Chamber of Commerce and Industry
Australian Industry Group
Australian Window Association
Housing Industry Association
Locksmiths Guild of Australia
Master Locksmiths Association of Australasia
NSW Police Service
Security Construction and Equipment Committee
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STANDARDS AUSTRALIA

RECONFIRMATION

OF

AS 4145.3–2001

Locksets

**Part 3: Mechanical locksets for
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NOTES

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PREFACE

This Standard was prepared by the Standards Australia Committee CS-082, Locksets.

The objective of this Standard is to provide users with —

- (a) design criteria, performance requirements and procedures for testing mechanical window locks and winders or operators; and
- (b) performance requirements for key lockable, key unlockable and non-key lockable window locks, and window operators.

This Standard applies to locks for typical windows.

This Standard forms Part 3 of the following AS 4145 series on locksets:

AS

4145 Locksets

4145.1 Part 1: Glossary of terms

4145.2 Part 2: Mechanical locksets for doors in buildings

4145.3 Part 3 Mechanical locksets for windows in buildings

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****Part 3: Mechanical locksets for windows in buildings****SECTION 1 SCOPE AND GENERAL****1.1 SCOPE**

This Standard sets out general design criteria, performance requirements and procedures for testing mechanical window locks for their resistance to forced entry and efficiency under condition of low-frequency to high-frequency use.

This Standard also sets out performance requirements for key lockable, key unlockable and non-key lockable window locks, and window operators, e.g. window winders used as window locks.

The Standard applies to locks for typical wooden, metal, polymer, or composite windows such as awnings, sliding, double hung sash or casement in residential and business premises including public buildings.

Certain areas may require higher level security locking devices not referred to in this Standard, e.g. security grilles, locking bars, electronic devices, detection devices and alarms. The definition, specification and testing of these devices are beyond the scope of this Standard.

1.2 APPLICATION

This Standard is intended for use when assessing the security and durability of window locks. In some cases, locks on windows may be subject to further requirements to comply with regulations in the interest of personal safety.

1.3 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS

- 1192 Electroplated coatings — Nickel and chromium
- 1231 Aluminium and aluminium alloys — Anodic oxidation coatings
- 1789 Electroplated coatings — Zinc on iron or steel
- 1791 Chromate conversion coatings — Zinc and cadmium
- 1956 Anodic oxidation coatings on aluminium for decorative and automotive applications
- 3715 Metal finishing — Thermoset powder coatings for architectural applications
- 4145 Locksets
- 4145.1 Part 1: Glossary of terms