Australian Standard®

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.

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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Originated as AS 4145.2—1993 and AS 4145.3—2001. AS 4145.2—1993 and AS 4145.3—2001 revised and redesignated as AS 4145.2—2008.

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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*.

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.

Page

CONTENTS

SECTIC	ON 1 SCOPE AND GENERAL	
1.1	SCOPE	4
1.2	APPLICATION	4
1.3	NORMATIVE REFERENCES	4
1.4	DEFINITIONS	5
1.5	CLASSIFICATIONS	
SECTIC	ON 2 DESIGN REQUIREMENTS	
2.1	GENERAL	6
2.2	DIMENSIONS	6
2.3	FINISH	6
2.4	KEY CONTROL	6
2.5	STRIKE PLATES	
SECTIC	ON 3 PERFORMANCE REQUIREMENTS	
3.1	GENERAL	
3.2	APPLICABLE REQUIREMENTS AND TEST SEQUENCE	16
3.3	EASE OF OPERATION	
3.4	DURABILITY	21
3.5	CYLINDER SECURITY	24
3.6	PHYSICAL SECURITY (STRENGTH)	27
3.7	KEYING SECURITY	
3.8	LOCK FURNITURE REQUIREMENTS	
3.9	CORROSION CLASSIFICATION	
SECTIC	ON 4 DOCUMENTATION AND MARKING	
4.1	GENERAL	38
4.2	INSTRUCTIONS—LOCKSETS	38
4.3	MARKING	38
SECTIC	DN 5 RETROFITTING	
5.1	GENERAL	39
5.2	BACKSET	39
5.3	STRIKE PLATES	39
APPEN	DICES	
А	METHODS OF TEST FOR EASE OF OPERATION OF LOCKSETS	41
В	METHODS FOR THE DURABILITY TESTING OF LOCKS	
Ċ	METHODS OF TEST FOR THE STRENGTH OF LOCKSETS	
D	METHOD OF TEST FOR CYLINDER DURABILITY	
Е	METHODS OF TEST FOR LOCK FURNITURE	
F	MEANS FOR DEMONSTRATING COMPLIANCE WITH THIS STANDARD	

STANDARDS AUSTRALIA

Australian Standard Locksets and hardware for doors and windows

Part 2: Mechanical locksets for doors and windows in buildings

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



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