

Australian Standard™

**Locksets**

**Part 4: Padlocks**

This Australian Standard was prepared by Committee CS-082, Locksets. It was approved on behalf of the Council of Standards Australia on 18 January 2002 and published on 24 April 2002.

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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  
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STANDARDS AUSTRALIA

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**RECONFIRMATION**

**OF**  
**AS 4145.4–2002**  
**Locksets**  
**Part 4: Padlocks**

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Major stakeholders of this publication have reviewed the content of this publication and in accordance with Standards Australia procedures for reconfirmation, it has been determined that the publication is still valid and does not require change.

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NOTES

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First published as AS 4145.4—2002.

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Published by Standards Australia International Ltd  
GPO Box 5420, Sydney, NSW 2001, Australia

ISBN 0 7337 4280 7

## PREFACE

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

The objective of this Standard is to provide users with design criteria, performance requirements and procedures for testing key lockable and key unlockable padlocks, as well as combination padlocks in conjunction with padlock fittings such as hasps and staples.

Test methods are specified in detail to ensure reproducibility at any testing laboratory and acceptance criteria are defined objectively to ensure consistency of assessment.

This Standard forms Part 4 of the following AS 4145 Series on locksets:

### AS

4145	Lockets
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
4145.4	Part 4: Padlocks

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

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STANDARDS AUSTRALIA  
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**Part 4: Padlocks**

SECTION 1 SCOPE AND GENERAL

**1.1 SCOPE**

This Standard sets out general design criteria, performance requirements and procedure for testing padlocks for their resistance to physical attacks and corrosion under condition of low-frequency to high-frequency usage, interior or exterior.

This Standard also sets out performance requirements for key lockable, key unlockable and non-key lockable and non-key unlockable padlocks.

This Standard applies to padlocks used in conjunction with padlock fittings.

Requirements that relate to —

- (a) physical security are classified under 10 levels, based on performance tests that simulate attack;
- (b) corrosion resistance are classified under five levels, based on standard accelerated corrosion tests; and
- (c) durability are classified under three levels, based on operational tests under condition of low-frequency to high-frequency usage.

NOTE: Picking or impressioning are beyond the scope of this Standard.

**1.2 APPLICATION**

This Standard is intended for use when assessing the strength, security and durability of padlocks.

In some cases, padlocks may be subject to additional requirements to comply with regulations in the interest of personal safety.

Manipulation tests for keying security shall be conducted in accordance with AS 4145.2.

**1.3 REFERENCED DOCUMENTS**

The following documents are referred to in this Standard:

AS	
2231	Methods of test for metallic and related coatings
2331.3.1	Part 3.1: Neutral salt spray (NSS) test
4145	Locksets
4145.1	Part 1: Glossary of terms
4145.2	Part 2: Mechanical locksets for doors and buildings