

Australian/New Zealand Standard™

**Cots for household use—Safety
requirements**



AS/NZS 2172:2010

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee CS-003, Safety Requirements for Children's Furniture. It was approved on behalf of the Council of Standards Australia on 9 March 2010 and on behalf of the Council of Standards New Zealand on 12 May 2010. This Standard was published on 26 May 2010.

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Australian Competition and Consumer Commission
Australian Industry Group
Australian Retailers Association
Consumer Affairs Victoria
Consumers Federation of Australia
CHOICE
Department of Commerce Consumer Protection
Department of Health (South Australia)
Department of Tourism, Fair trading and Wine Industry Development, Qld
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Australian/New Zealand Standard™

Cots for household use—Safety requirements

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee CS-003, Safety Requirements for Children's Furniture to supersede AS/NZS 2172:2003.

In Australia, the first edition of this Standard, AS 2172—1978, was prepared at the request of the former Consumer Standards Advisory Committee. The document underwent several revisions to widen its scope, incorporate additional requirements and clarify existing ones, and they in turn became the 1981, 1983 and 1991 editions.

In New Zealand, the first edition of NZS 5810 in 1979 was an endorsement of BS 1753:1977 with minor amendment, followed in 1992 by the second edition, an endorsement of AS 2172—1991, again with minor amendment.

AS 2172—1991 and NZS 5810:1992 underwent a further revision and a joint Australian and New Zealand Standard, AS/NZS 2172:1995 was issued, and followed by another revision, AS/NZS 2172:2003 with 2 amendments.

This edition updates requirements in the light of experience gained through implementation of the Standard.

New requirements have been added to ensure that removable components and components that detach during testing do not pose a choking hazard.

The objective of this Standard is to provide regulatory authorities with essential safety requirements and to provide manufacturers with functional, durability, stability and performance criteria to meet these safety requirements, in order to reduce the likelihood of deaths or injuries to children.

There are currently developments in relation to droppside strength and durability that will require further consideration for this Standard when the findings are available.

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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FOREWORD

Committee CS-003 places great emphasis on mattress size and in particular mattress thickness. The decision to allow adjustable base cots in the Standard has made this dimension all the more important.

It is important to maintain a minimum distance between the top of the mattress and the top of the lowest side or end of the cot to minimize the risk of a child climbing or falling out of the cot. It is also important to design an adjustable base cot so the top of the drop side remains at least 250 mm above the mattress base when the base is in the upper position.

The minimum vertical distances specified between the top of the mattress base, i.e. with no mattress, and the top edge of the lowest cot side or end, are based on the use of a mattress 100 mm thick. A mattress thicker than 100 mm will require a corresponding increase in this vertical distance to compensate.

Extra marking and labelling requirements for adjustable base cots are intended to reinforce the message to parents or carers that the mattress base should be adjusted to the lower position before the child can sit up, and also to warn about appropriate mattress thickness. The marking and labelling should be as clear and conspicuous as possible, to achieve its purpose.

The industry has researched mattress sizes and determined that the most common size is 1300 mm × 690 mm.

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Australian/New Zealand Standard Cots for household use—Safety requirements

1 SCOPE

This Standard specifies safety requirements for cots. These include material, design, construction, performance, labelling and marking requirements, all of which are important for the well-being of children who use cots. The Standard is applicable to cots for use in household situations. It is not applicable to most types of folding cots. Folding cots are covered in AS/NZS 2195, however, timber folding cots or cots made with rigid materials are required in AS/NZS 2195 to comply with all applicable requirements of this Standard. Requirements for cots in day nurseries, hospitals and institutions are given in AS/NZS 2130.

2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS

2281 Flexible cellular polyurethane for seat cushioning and bedding

5605 Guide to the safe use of preservative-treated timber

AS/NZS

2130 Cots for day nursery, hospital and institutional use—Safety requirements

2195 Folding cots—Safety requirements

4491 Timber—Glossary of terms in timber-related Standards

AS/NZS ISO

8124 Safety of toys

8124.1 Part 1: Safety aspects related to mechanical and physical properties
(ISO 8124-1:2000, MOD)

8124.2 Part 2: Flammability (ISO 8124-2:1994, MOD)

8124.3 Part 3: Migration of certain elements

3 DEFINITIONS

For the purpose of this Standard, the definitions below apply.

NOTE: All definitions apply to fully-assembled cots.

3.1 Access

Opening obtained by operating a part or parts of a cot to allow easier reach to the inside of the cot (see Figure 1).

3.2 Accessible to the child

Within the reach of the child that is inside the cot, including components of the cot that are on the outside to within a distance of 300 mm in any direction, except beneath the mattress base when it is in lower position.

NOTE: See Clause 3.10 for the definition of 'within the cot'. When the child is 'within the cot' components that the child can reach need to be tested, and components that cannot be reached do not need to be tested, e.g. castors.