

Australian/New Zealand Standard™

**Cots for household use—Safety
requirements**



AS/NZS 2172:2013

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 5 March 2013 and on behalf of the Council of Standards New Zealand on 4 April 2013.
This Standard was published on 18 April 2013.

The following are represented on Committee CS-003:

Australian Chamber of Commerce and Industry
Australian Competition and Consumer Commission
Australian Industry Group
CHOICE
Consumer Affairs, Vic.
Consumers Federation of Australia
Furntech–AFRDI
Infant and Nursery Products – INPA
Kidsafe
Ministry of Business, Innovation and Employment, NZ
National Retail Association
New Zealand Association of Safety Equipment Testing Laboratories
New Zealand Retailers Association
NSW Office of Fair Trading
Office of Fair Trading, Department of Justice and Attorney-General, QLD
South Australian Department for Health and Ageing

Keeping Standards up-to-date

Standards are living documents which reflect progress in science, technology and systems. To maintain their currency, all Standards are periodically reviewed, and new editions are published. Between editions, amendments may be issued. Standards may also be withdrawn. It is important that readers assure themselves they are using a current Standard, which should include any amendments which may have been published since the Standard was purchased.

Detailed information about joint Australian/New Zealand Standards can be found by visiting the Standards Web Shop at www.saiglobal.com.au or Standards New Zealand web site at www.standards.co.nz and looking up the relevant Standard in the on-line catalogue.

For more frequent listings or notification of revisions, amendments and withdrawals, Standards Australia and Standards New Zealand offer a number of update options. For information about these services, users should contact their respective national Standards organization.

We also welcome suggestions for improvement in our Standards, and especially encourage readers to notify us immediately of any apparent inaccuracies or ambiguities. Please address your comments to the Chief Executive of either Standards Australia or Standards New Zealand at the address shown on the back cover.

This Standard was issued in draft form for comment as DR (2012) AS/NZS 2172.

Australian/New Zealand Standard™

Cots for household use—Safety requirements

Originated in Australia as AS 2172—1978.
Originated in New Zealand as NZS 5810:1979.
Previous edition AS/NZS 2172:2010.
Eighth edition 2013.

COPYRIGHT

© Standards Australia Limited/Standards New Zealand

All rights are reserved. No part of this work may be reproduced or copied in any form or by any means, electronic or mechanical, including photocopying, without the written permission of the publisher, unless otherwise permitted under the Copyright Act 1968 (Australia) or the Copyright Act 1994 (New Zealand).

Jointly published by SAI Global Limited under licence from Standards Australia Limited, GPO Box 476, Sydney, NSW 2001 and by Standards New Zealand, Private Bag 2439, Wellington 6140.

ISBN 978 1 74342 395 0

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 2172:2010.

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.

This edition updates requirements in the light of experience gained through implementation of the Standard and further consideration of overseas developments associated with the integrity of cot drop-sides. Testing for the drop-side and its mechanisms has been revised with separate tests for the drop-side strength, and the fastening and mechanism strength being introduced.

Reference has also been made to a new test method (AS/NZS 8811.1) developed by Committee CS-003 to assess the firmness of the infant sleep surface to minimize the risk of infant asphyxiation on an overly soft surface.

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.

CONTENTS

	<i>Page</i>
FOREWORD.....	4
1 SCOPE.....	5
2 REFERENCED DOCUMENTS	5
3 DEFINITIONS	5
4 MATERIALS	7
5 CONSTRUCTION	8
6 DESIGN.....	8
7 TOYS INCLUDED WITH COT	12
8 TRANSFERS	12
9 SAFETY AND PERFORMANCE REQUIREMENTS.....	12
10 PLASTIC PACKAGING	14
11 INFORMATIVE LABELLING.....	14
12 MARKING	15
APPENDICES	
A ENTRAPMENT HAZARD TEST	17
B IMPACT TEST.....	20
C FILLER BAR, FILLER PANEL AND CORNER POST STRENGTH TEST	22
D ACCESS FASTENING DEVICE AND DROPSIDE MECHANISM STRENGTH TEST	23
E ACCESS FASTENING DEVICES DURABILITY TEST	24
F DROPSIDE MECHANISM DURABILITY TEST	25
G STABILITY TEST	26
H TORQUE TEST.....	28
I TENSION TEST.....	30
J SMALL PARTS TEST	31
K DROPSIDE STRENGTH TEST	33

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 significant.

It is significant 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 significant to design an adjustable base cot so the top of the dropside 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.

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.

STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

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

1 SCOPE

This Standard specifies safety requirements and test methods 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.

This Standard 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

8811 Methods of testing infant products

8811.1 Part 1: Sleep surfaces—Test for firmness

AS/NZS ISO

8124 Safety of toys

8124.1 Part 1: Safety aspects related to mechanical and physical properties

8124.2 Part 2: Flammability

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).

This is a free preview. Purchase the entire publication at the link below:

AS/NZS 2172 : 2013 : EN : COMBINED PDF

- ⤵ Looking for additional Standards? Visit SAI Global Infostore
- ⤵ Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation

Need to speak with a Customer Service Representative - Contact Us