

Australian/New Zealand Standard™

**Prams and strollers—Safety
requirements**



AS/NZS 2088:2013

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee CS-020, Prams and Strollers. It was approved on behalf of the Council of Standards Australia on 19 February 2013 and on behalf of the Council of Standards New Zealand on 25 February 2013.

This Standard was published on 18 March 2013.

The following are represented on Committee CS-020:

Australian Chamber of Commerce and Industry
Australian Competition and Consumer Commission
Australian Industry Group
Australian Retailers Association
Building and Housing Group, Ministry of Business, Innovation and Employment,
New Zealand
CHOICE
Consumer Affairs, VIC
Consumer Affairs, Ministry of Business, Innovation and Employment, New Zealand
Consumers Federation of Australia
Consumer and Business Services, SA
Export New Zealand
INPAA
Kidsafe
Labour Group, Ministry of Business, Innovation and Employment, New Zealand
National Retailers Association
New Zealand Trade and Enterprise
Office of Fair Trading, NSW
Royal New Zealand Plunket Society
Sydney Children's Hospital Network Westmead

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 Standards may also be withdrawn.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 2088.

Australian/New Zealand Standard™

Prams and strollers—Safety requirements

Originated in Australia as AS 2088—1977.
Originated in New Zealand as NZS 5804:1977.
First joint edition AS/NZS 2088:1993.
Previous edition 2009.
Seventh 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.

PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee CS-020, Prams and Strollers, to supersede AS/NZS 2088:2009 of the same title.

In this revision of the Standard, definitions have been added, and certain requirements and test methods have been revised, such as:

- (a) Definitions of 'securely attached' and 'permanently fixed' have been introduced, and their application within the Standard adjusted accordingly.
- (b) The addition of a new test for the stability of toddler platforms.
- (c) A further revision of the harnessing requirements as identified in Item (a) above.
- (d) The inclusion of a requirement for locking devices that are located on the sides of the vehicle and accessible to the child while the child is properly restrained in the vehicle to remain fully engaged when force is applied to the handle.
- (e) Restructuring of the requirements concerning instructions and markings.
- (f) Editorial and minor changes to various clauses for clarity and improvement in structure.

For further product clarification, three-wheeled or 'jogging' strollers fall within the scope of this Standard.

In Australia, the Australian Competition and Consumer Commission (ACCC) currently administer a *Competition and Consumer Act 2010* mandatory safety standard for prams and strollers, which includes some requirements of this Standard.

This Standard differs from some of the requirements of the Australian TPA mandatory product safety standard. Further information about the TPA mandatory safety standard can be obtained from the ACCC website.

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>
1 SCOPE	4
2 OBJECTIVE	4
3 REFERENCED DOCUMENTS	4
4 DEFINITIONS	4
5 DIMENSIONS	6
6 MATERIALS	6
7 ACCESSORIES	6
8 CONSTRUCTION	7
9 PERFORMANCE REQUIREMENTS	13
10 TESTING	17
11 PACKAGING AND INFORMATIVE LABELLING	21
12 MARKING	23
 APPENDICES	
A LOADING	26
B TEST FOR STATIC DURABILITY	29
C TEST FOR DYNAMIC DURABILITY	31
D TEST FOR KERB MOUNTING DURABILITY	37
E TEST FOR REMOVABILITY OF A PROJECTION BY A TORQUE FORCE	39
F TEST FOR REMOVABILITY OF A PROJECTION BY A TENSILE FORCE	41
G TEST FOR HAZARDOUS SHARP EDGES	43
H TEST FOR HAZARDOUS SHARP POINTS	45
I TEST FOR DURABILITY OF PARKING BRAKES	47
J DETERMINATION OF EFFICIENCY OF PARKING BRAKES	48
K DETERMINATION OF EFFICIENCY OF HARNESSSES AND ATTACHMENTS FOR HARNESSSES	50
L HEAD BARRIER PROBE TEST	54
M FOOT END OPENINGS PROBE TEST	58
N TEST FOR STABILITY	61
O TEST FOR SECURITY OF WHEELS	65
P TEST FOR SECURITY OF REVERSIBLE HANDLE ENGAGEMENT	66
Q TEST FOR SECURITY OF LOCKING DEVICES	68
R METHOD OF MARKING THE POSITION OF WHEELS ON THE SURFACE OF THE TILTING PLATFORM	71
S TEST FOR STABILITY AGAINST OVERBALANCING	72
T TEST FOR SMALL PARTS	74
U TEST FOR HAZARDOUS GAPS AND OPENINGS	76
V TEST FOR DYNAMIC STRENGTH OF LOCKING AND LATCHING DEVICES	78
W TEST FOR HARNESS CONFIGURATION	81

STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

Australian/New Zealand Standard
Prams and strollers—Safety requirements

1 SCOPE

This Standard specifies materials, construction, performance and labelling requirements and test methods for prams, strollers and their accessories.

2 OBJECTIVE

The objective of this Standard is to provide manufacturers, authorities and others with minimum safety requirements in order to reduce the likelihood of injury to children.

3 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS

- 1815 Metallic materials—Rockwell hardness test
1815.1 Part 1: Test method (scales A, B, C, D, E, F, G, H, K, N, T)

AS/NZS

- 2172 Cots for household use—Safety requirements

AS/NZS ISO

- 8124 Safety of toys
8124.1 Part 1: Safety aspects related to mechanical and physical properties
8124.3 Part 3: Migration of certain elements

ISO

- 4287 Geometrical Product Specifications (GPS)—Surface texture: Profile method—
Terms, definitions and surface texture parameters

4 DEFINITIONS

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

4.1 Accessory

Any item that is not an integral part of the vehicle but is supplied as being suitable for use with the vehicle. This will include all items sold together with or separate from the vehicle and nominated in the vehicle instructions.

4.2 Automatic, automatically

Performs the function without additional user intervention.

4.3 Bassinet

An accessory with a body of box-like or boat-like shape designed to transport a fully reclined baby or child weighing up to and including 9 kg and attached onto the vehicle.

4.4 Child restraint

A device used to restrain a child passenger in a motor vehicle.

4.5 Folding

Collapsing or bending a portion of the vehicle through a hinge mechanism provided for the purpose.