

Australian/New Zealand Standard™

**Child restraint systems for use in motor  
vehicles**



## **AS/NZS 1754:2010**

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee CS-085, Child Restraints for Use in Motor Vehicles. It was approved on behalf of the Council of Standards Australia on 7 January 2010 and on behalf of the Council of Standards New Zealand on 27 January 2010.  
This Standard was published on 24 February 2010.

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The following are represented on Committee CS-085:

Australian Automobile Association  
Australian Automotive Aftermarket Association  
Australian Chamber of Commerce and Industry  
Australian Competition and Consumer Commission  
Australian Industry Group  
Centre for Automotive Safety Research  
Certification Interests (Australia)  
Consumers Federation of Australia  
Department of Infrastructure, Transport, Regional Development and Local Government (Australia)  
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*This Standard was issued in draft form for comment as DR AS/NZS 1754.*

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# Australian/New Zealand Standard™

## Child restraint systems for use in motor vehicles

Originated as AS E46—1970.  
Previous edition AS/NZS 1754:2004.  
Seventh edition 2010.  
Reissued incorporating Amendment No. 1 (November 2012).

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## PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee CS-085, Child Restraints for Use in Motor Vehicles, to supersede AS/NZS 1754:2004.

*This Standard incorporates Amendment No. 1 (November 2012). The changes required by the Amendment are indicated in the text by a marginal bar and amendment number against the clause, note, table, figure or part thereof affected.*

The Standard specifies a range of design and performance requirements for devices to restrain children in motor vehicles to provide protection to the child in the event of a crash. This Standard requires tests to be conducted according to methods contained in the AS/NZS 3629, *Methods of testing child restraints* series.

Major revisions in this edition of AS/NZS 1754 include:

- (a) Introduction of requirements for a new type of booster seat ('Type F'), intended to accommodate children up to 138 cm in height. These restraints are subject to additional requirements for side support to control posture and position.
- (b) Removal of booster cushions from the Standard as they are unable to offer side impact protection.
- (c) Introduction of new requirements, applicable to all booster seats, intended to reduce the likelihood of abdominal injury to children using booster seats.
- (d) Changes to the way in which child restraints are categorized. Child restraints have previously been categorized in terms of the mass of the child intended to use the restraint. Mass-based categories are no longer used in this Standard and have been replaced by approximate age ranges, and restraints now require marking to show the height of the shoulders of a child that fits the restraint.
- (e) Introduction of new requirements for colour-coded marking of the seatbelt path on the child restraint.

For the next revision of this Standard the Committee intends to specify a test method and assessment criteria for the energy attenuating properties required by Clause 3.2.1.

Statements expressed in mandatory terms in notes and footnotes to tables and figures are deemed to be requirements of this Standard.

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/STANDARDS NEW ZEALAND

**Australian/New Zealand Standard**  
**Child restraint systems for use in motor vehicles**

## SECTION 1 SCOPE AND GENERAL

**1.1 SCOPE**

This Standard specifies requirements for restraining devices for child occupants of passenger cars and their derivatives, such devices being intended, when properly selected, correctly installed and correctly adjusted, to reduce the risk of bodily injury in a vehicle impact. The devices may also have application to other types of vehicles.

NOTE: This Standard does not cover child restraints that are an integrated feature of a motor vehicle.

**1.2 OBJECTIVE**

The objective of the Standard is to provide minimum design, construction and performance requirements for child restraint systems in order to promote the provision of a high level of protection for children travelling in motor vehicles.

**1.3 REFERENCED DOCUMENTS**

The following documents are referred to in this Standard:

## AS

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|----------|--|
| 1753     | Webbing for restraining devices for occupants of motor vehicles  |
| 2001     | Methods of test for textiles   |
| 2001.5.4 | Method 5.4: Dimensional change—Domestic washing and drying procedures for textile testing (ISO 6330:2000, MOD) |
| 2282     | Methods for testing flexible cellular polyurethane   |
| 2282.8   | Method 8: Determination of force deflection  |
| 2331     | Methods of test for metallic and related coatings  |
| 2331.3.1 | Method 3.1: Corrosion and related property tests—Neutral salt spray (NSS) test                                 |
| 2700     | Colour Standards for general purposes  |
| 2755     | Textile fabrics—Burning behaviour  |
| 2755.2   | Method 2: Measurement of flame spread properties of vertically oriented specimens                              |
| 2755.3   | Method 3: Determination of surface burning time  |

## AS/NZS

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|--------|--|
| 2465   | Unified hexagon bolts, screws and nuts (UNC and UNF threads)               |
| 3629   | Methods of testing child restraints  |
| 3629.1 | Method 1: Dynamic testing  |
| 3629.2 | Method 2: Determination of hazardous throat contact in abnormal situations |
| 3629.3 | Method 3: Dynamic testing of upper anchorage components                    |
| 3629.4 | Method 4: Determination of the force required to adjust a harness          |

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