

AS/NZS 1754:2024



Australian/New Zealand Standard™

# Child restraint systems for use in motor vehicles



AS/NZS 1754:2024

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- Australian Chamber of Commerce and Industry
- Australian Child Restraint Resource Initiative
- Australian Competition and Consumer Commission
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- Better Regulation Division (Fair Trading, SafeWork NSW, TestSafe)
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- Department of Transport and Planning (VIC)
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Australian/New Zealand Standard™

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

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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 1754:2013.

The objective of this document is to specify 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. This document requires tests to be conducted according to methods specified in the AS/NZS 3629 series.

This document provides minimum design, construction and performance requirements for child restraint systems in order to provide a high level of protection for children travelling in motor vehicles.

The major changes in this edition are as follows:

- (a) Type A1/B removed. This type included shoulder markers to indicate the rearward to forward facing transition at a height consistent with children approximately 6 months old. Accepted best practice now is that children should remain rear facing for as long as possible, and Type A2/B restraints where the shoulder heights are consistent with a 12 month old transitioning from rearward to forward facing are a safer option. These ages are nominal as the actual determination of orientation is by the shoulder height labels.
- (b) Supply of top tether anchorage components now optional. Many vehicles have top tether anchorage components in-built, allowing for direct connection by the attachment hook without extra components. Consequently, large numbers of the top tether anchorage components are discarded. Allowing their supply to be optional will reduce waste.
- (c) [Appendix C](#) and other mandated consumer information has been revised to include reference to in-built top tether anchorage points in a vehicle. Where a vehicle manufacturer has provided a threaded insert to be used to attach a top tether attachment component, the reference is now to a top tether mounting point. The previously required information about drilling 9 mm holes and fitting the anchorage components supplied has been removed, as in some Australian states this can only be done by an approved person.
- (d) The requirements for occupants with disabilities and medical needs has been expanded from the previous revision to provide clear requirements for variations to child restraints to cater for specific disabilities. [Section 7](#) has been added to this document to cover the variations to child restraints for specific disabilities, including specific design, testing, instructions and marking requirements as well as specific information on the packaging. The variations to the child restraint are in addition to the requirements in this document. They may be applied to a complete child restraint, or the variation may be supplied separately as a kit to be fitted by a parent, carer, occupational therapist or other specialist. Variations to the child restraint may prevent a child from escaping or being poorly restrained, additional support, or caters for an occupant's medical needs.
- (e) Revision of informative material requirements now allowing use of videos and links to smartphones or tablets, and inclusion of quick reference guides for installation instructions.
- (f) Introduced a new booster seat type designation, type E10, suitable for children approximately 4 to 10 years of age.
- (g) Lap-belt positioning devices (previously known as anti-sub clips) are now mandatory on booster seats.
- (h) Mass limit of ISOFIX compatible child restraints have changed from 10 kg in the previous edition to 15 kg for type A and 12 kg for type B.
- (i) Revision of cross-chest device requirements to allow use on harnessed child restraints.

- (j) Type A child restraints include new geometry requirements and recommendations to improve fitment for occupants including new-born babies.

Although this document specifies the requirements for removable items when supplied with a child restraint, additional requirements for accessories not supplied with a child restraint are set out in AS 8005.

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

The terms “normative” and “informative” have been used in this document 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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# Australian/New Zealand Standard

## Child restraint systems for use in motor vehicles

### Section 1 Scope and general

#### 1.1 Scope

This document 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.

Accessories or removable items supplied with the child restraint or included in the instruction book are included in the scope of this document. Accessories supplied separately for use with child restraints are covered by AS 8005.

Variations in design and construction are included for child restraints intended for transporting children with disabilities.

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

#### 1.2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document.

AS 1753, *Webbing for restraining devices for occupants of motor vehicles*

AS 2001.5.4, *Methods of test for textiles, Method 5.4: Dimensional change—Domestic washing and drying procedures for textile testing (ISO 6330:2000, MOD)*

AS 2282.8, *Methods for testing flexible cellular polyurethane, Method 8: Determination of force deflection*

AS 2331.3.1, *Methods of test for metallic and related coatings, Method 3.1: Corrosion and related property tests—Neutral salt spray test (NSS test)*

AS 2755.2, *Textile fabrics—Burning behaviour, Measurement of flame spread properties of vertically oriented specimens*

AS 2755.3, *Textile fabrics—Burning behaviour—Determination of surface burning time*

AS 3629.6, *Methods of testing child restraints, Method 6: Determination of recline angle*

AS 8005, *Accessories for child restraints used in motor vehicles*

AS/NZS 2465, *Unified hexagon bolts, screws and nuts (UNC and UNF threads)*

AS/NZS 3629 (all parts), *Methods of testing child restraints*

AS/NZS 3629.1, *Methods of testing child restraints, Method 1: Dynamic testing*

AS/NZS 3629.3, *Methods of testing child restraints, Method 3: Dynamic testing of upper anchorage components and top tether extension straps*

AS/NZS 3629.4, *Methods of testing child restraints, Method 4: Determination of the force required to adjust a harness*

AS/NZS 3629.5, *Methods of testing child restraints, Method 5: Determination of quick-release device and low attachment connector actuation force*

AS/NZS 3629.7, *Methods of testing child restraints, Method 7: Test for suitability of seatbelt length*