

Australian/New Zealand Standard™

**Technical systems and aids for disabled
or handicapped persons—Wheelchair
tiedown and occupant-restraint systems**

**Part 2: Four-point strap-type tiedown
systems**



AS/NZS 10542.2:2009

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee ME-067, Mobility Appliances for People with Disabilities. It was approved on behalf of the Council of Standards Australia on 28 January 2009 and on behalf of the Council of Standards New Zealand on 9 March 2009. This Standard was published on 30 March 2009.

The following are represented on Committee ME-067:

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Australian Rehabilitation and Assistive Technology Association
Consumers' Federation of Australia
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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee ME-067, Mobility Appliances for People with Disabilities.

This Standard is identical with, and has been reproduced from ISO 10542-2:2001, *Technical systems and aids for disabled or handicapped persons—Wheelchair tiedown and occupant-restraint systems*, Part 2: *Four-point strap-type tiedown systems*.

AS/NZS 10542 consists of the following parts, under the general title, *Technical systems and aids for disabled or handicapped persons—Wheelchair tiedown and occupant-restraint systems*:

Part 1: Requirements and test methods for all systems

Part 2: Four-point strap-type tiedown systems (this Standard)

As this Standard is reproduced from an International Standard, the following applies:

- (a) Its number appears on the cover and title page while the International Standard number appears only on the cover.
- (b) In the source text, ‘this part of ISO 10542’ should read ‘this Australian/New Zealand Standard’.
- (c) A full point should be substituted for a comma when referring to a decimal marker.

References to International Standards should be replaced by references to Australian or Australian/New Zealand Standards, as follows:

<i>Reference to International Standard</i>		<i>Australian/New Zealand Standard</i>	
ISO		AS/NZS	
10542	Technical systems and aids for disabled or handicapped persons—Wheelchair tiedown and occupant-restraint systems	10542	Technical systems and aids for disabled or handicapped persons—Wheelchair tiedown and occupant-restraint systems
10542-1	Part 1: Requirements and test methods for all systems	10542.1	Part 1: Requirements and test methods for all systems (ISO 10542-1:2001, MOD)

The terms ‘normative’ and ‘informative’ are used to define the application of the annex to which they apply. A ‘normative’ annex is an integral part of a standard, whereas an ‘informative’ annex is only for information and guidance.

INTRODUCTION

Providing effective protection for the wheelchair-seated occupant of a motor vehicle usually requires that after-market equipment be installed to secure the wheelchair and restrain the person in the wheelchair. ISO 10542-1 gives requirements for all wheelchair tiedown and occupant-restraint systems. The provisions of ISO 10542-1 apply except as amended and supplemented by this part of ISO 10542, which gives particular requirements and test methods for wheelchair tiedowns and occupant-restraint systems (WTORS) that use four-point, strap-type wheelchair tiedowns.

AUSTRALIAN/NEW ZEALAND STANDARD

Technical systems and aids for disabled or handicapped persons — Wheelchair tiedown and occupant-restraint systems —

Part 2:

Four-point strap-type tiedown systems

1 Scope

This part of ISO 10542 specifies test methods and requirements for design and performance, for instructions and warnings to installers and users, and for product marking and labelling for wheelchair tiedown and occupant-restraint systems (WTORS).

It applies only to WTORS that use belt-type occupant restraints and four-point strap-type wheelchair tiedowns that are intended for adult-occupied wheelchairs used as forward-facing seats by passengers and drivers of motor vehicles.

This part of ISO 10542 applies primarily to complete WTORS, but other parts of ISO 10542 can also be applied to components and subassemblies sold separately and as replacement parts.

This part of ISO 10542 applies to WTORS intended for use with all types of manual and powered wheelchairs intended for use by adults, including three- and four-wheeled scooters.

2 Normative reference

The following normative document contains provisions which, through reference in this text, constitute provisions of this part of ISO 10542. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this part of ISO 10542 are encouraged to investigate the possibility of applying the most recent edition of the normative document indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 10542-1:—¹⁾, *Technical systems and aids for disabled or handicapped persons — Wheelchair tiedown and occupant-restraint systems — Part 1: Requirements and test methods for all systems.*

3 Terms and definitions

For the purposes of this part of ISO 10542, the terms and definitions given in ISO 10542-1 apply.

4 Design requirements

The design requirements of ISO 10542-1 apply with the addition of the following.

1) To be published.