

Australian/New Zealand Standard™

Wheelchairs

Part 22: Set-up procedures



AS/NZS 3696.22:2008

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 26 February 2008 and on behalf of the Council of Standards New Zealand on 17 March 2008. This Standard was published on 30 May 2008.

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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 7176-22:2000, *Wheelchairs—Part 22: Set-up procedures*.

The objective of this Standard is to provide suitable set-up procedures for wheelchairs prior to testing.

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 7176’ should read ‘this Australian/New Zealand Standard’.
- (c) A full point substitutes for a comma when referring to a decimal marker.

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

<i>Reference to International Standard</i>		<i>Australian/New Zealand Standard</i>	
ISO		AS/NZS	
6440	Wheelchairs—Nomenclature, terms and definitions	—	
7176	Wheelchairs	3696	Wheelchairs
7176-7	Part 7: Measurement of seating and wheel dimensions	—	
7176-8	Part 8: Requirements and test methods for static, impact and fatigue strengths	3696.8	Part 8: Requirements and test methods for static, impact and fatigue strengths
7176-11	Part 11: Test dummies	3696.11	Part 11: Test dummies
7176-15	Part 15: Requirements for information disclosure documentation and labelling	—	

The terms ‘normative’ and ‘informative’ have been used in this Standard 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.

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INTRODUCTION

Many wheelchairs have adjustable or optional features which, depending upon their setting, can have significant effects on the results from test methods specified in other parts of the ISO 7176 series.

When used in combination with other parts of ISO 7176, this procedure will produce test results which permit comparison between different wheelchairs and give reproducibility results between different test laboratories.

AUSTRALIAN/NEW ZEALAND STANDARD

Wheelchairs

Part 22:

Set-up procedures

1 Scope

This part of ISO 7176 specifies a set-up procedure to be used in the preparation of adjustable wheelchairs for testing in accordance with the ISO 7176 series. This procedure gives methods to be used where there are no manufacturers' instructions for setting the wheelchair adjustments.

This part of ISO 7176 is applicable to manual wheelchairs and electric wheelchairs (including scooters) intended to provide indoor and/or outdoor mobility.

Other parts of ISO 7176 may give specific requirements for the adjustment of the wheelchair. In such cases, that individual part of ISO 7176 takes precedence over this part of ISO 7176.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of ISO 7176. 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 7176 are encouraged to investigate the possibility of applying the most recent editions of the normative documents 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 6440, *Wheelchairs — Nomenclature, terms and definitions*.

ISO 7176-7, *Wheelchairs — Part 7: Measurement of seating and wheel dimensions*.

ISO 7176-8, *Wheelchairs — Part 8: Requirements and test methods for static, impact and fatigue strengths*.

ISO 7176-11, *Wheelchairs — Part 11: Test dummies*.

ISO 7176-15, *Wheelchairs — Part 15: Requirements for information disclosure, documentation and labelling*.

3 Terms and definitions

For the purposes of this part of ISO 7176, the terms and definitions given in ISO 6440, ISO 7176-7, ISO 7176-8, ISO 7176-11 and ISO 7176-15 and the following apply.

3.1

negative camber

inclination of a wheel towards the opposite wheel so that its top is closer to the other wheel than its bottom

See Figure 1.