

Australian Standard™

Castors and wheels

**Part 7: Applications up to 1.1 m/s
(4 km/h)**

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Australian Chamber of Commerce and Industry
Australian Industry Group
Commercial Furniture Industry Association of Australia
Furntech
Wheel manufacturing interests

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PREFACE

This Standard was prepared by Standards Australia Committee ME-031, Industrial Castors, to supersede in part AS 1961—1977, *Industrial wheels and castors (dimensions and capacities)*.

This Standard is identical with and has been reproduced from ISO 22883:2004, *Castors and wheels—Requirements for applications up to 1,1 m/s (4 km/h)*.

The objective of this Standard is to provide manufacturers of industrial castors and wheels with a specification by which castors for applications at speeds up to 1.1 m/s can be assessed for dimensional and performance characteristics and to assist purchasers and users of these products to order and select them appropriately.

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

- (a) Its number does not appear on each page of text and its identity is shown only on the cover and title page.
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<i>Reference to International Standard or other publication</i>		<i>Australian Standard</i>	
ISO		AS	
22877	Castors and wheels—Vocabulary, symbols and multilingual terminology	1961 1961.1	Castors and wheels Part 1: Vocabulary, symbols and multilingual terminology
22878	Castors and wheels—Test methods and apparatus	1961.2	Part 2: Test methods and apparatus

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NOTES

AUSTRALIAN STANDARD

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1 Scope

This International Standard specifies the technical requirements, the appropriate dimensions and the requirements for testing of castors and wheels (which may include accessories) for manually propelled or power-towed industrial applications up to 1,1 m/s (4 km/h). It is not applicable to castors and wheels for furniture, swivel chairs, equipment for institutional applications, hospital beds or driven applications. Castors for specialized applications may also need to conform to other specific standards.

NOTE Castors and wheels for furniture, swivel chairs, equipment for institutional applications, hospital beds and driven applications are covered respectively by ISO 22879, ISO 22880, ISO 22881, ISO 22882 and ISO 22884.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 22877, *Castors and wheels — Vocabulary, symbols and multilingual terminology*

ISO 22878:2004, *Castors and wheels — Test methods and apparatus*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 22877 apply. Symbols are given in ISO 22878:2004, Annex A.

4 Dimensions and classification

4.1 Characteristics

The characteristics of a castor are

- fixing system,
- offset,
- wheel, and
- load capacity.

4.2 Fixing system

4.2.1 General

The fixing system includes the top plate, solid stem and single bolt fixing.