

Australian Standard™

**Castors and wheels**

**Part 8: Applications over 1.1 m/s  
(4 km/h) and up to 4.4 m/s (16 km/h)**



**STANDARDS  
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The following are represented on Committee ME-031:

Australian Chamber of Commerce and Industry  
Australian Industry Group  
Commercial Furniture Industry Association of Australia  
Furtech  
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 22884:2004, *Castors and wheels—Requirements for applications over 1,1 m/s (4 km/h) and up to 4,4 m/s (16 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 but not exceeding 4.4 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.

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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	1961.1	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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# AUSTRALIAN STANDARD

## Castors and wheels

### Part 8:

Applications over 1.1 m/s (4 km/h) and up to 4.4 m/s (16 km/h)

### 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), specifically for manually propelled or power-towed industrial applications at speeds over 1,1 m/s (4 km/h) and up to 4,4 m/s (16 km/h).

Pneumatic wheels and drive wheels are not covered by this International Standard.

### 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 Classification, characteristics and dimensions

#### 4.1 Classification

The castors and wheels are divided into three categories: A, B and C. These categories define three increasing speed ratings and are listed in Table 1.

Table 1

Category	A	B	C
Speed, m/s (km/h)	1,7 (6)	2,8 (10)	4,4 (16)

#### 4.2 Characteristics

The characteristics of a castor are

- top plate,
- offset,
- wheel, and
- load capacity.