AS 1961.2—2004
ISO 22878:2004

AS 1961.2—2004

Australian Standard™

Castors and wheels

Part 2: Test methods and apparatus

STANDARDS AUSTRALIA

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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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Australian Standard™

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Part 2: Test methods and apparatus

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PREFACE

This Standard was prepared by the 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 22878:2004, *Castors and wheels—Test methods and apparatus*.

The objective of this Standard is to provide test methods and apparatus to be used when assessing castors and wheels for compliance with product specifications.

The term ‘normative’ has been used in this Standard to define the application of the annex to which it applies. A ‘normative’ annex is an integral part of a Standard.

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.

(b) In the source text, ‘this International Standard’ should read ‘this Australian Standard’.

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

Reference to International Standard or other publication		*Australian Standard*	
ISO		AS	
22877	Castors and wheels—Vocabulary, symbols and multilingual terminology	1961	Castors and wheels
		1961.1	Part 1: Vocabulary, symbols and multilingual terminology

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INTRODUCTION

Castors and wheels are used in many applications and environments.

For many of these, specific requirements are needed. Thus the need arose for an International Standard on testing of castors and wheels suitable for users, original equipment manufacturers and testing houses.

AUSTRALIAN STANDARD

Castors and wheels

Part 2:
Test methods and apparatus

1 Scope

This International Standard specifies the test methods and apparatus to be used to check the performance of castors and wheels.

The tests to be used for specific types of castor and wheel, and the relevant acceptance criteria, values and applicability are given in ISO 22879 to 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*

3 Terms, definitions and symbols

For the purposes of this document, the terms and definitions given in ISO 22877 apply. The symbols are listed in the individual tests, and a combined list of symbols is given in Annex A.

4 Test methods

4.1 General requirements

4.1.1 Test sequence

Tests shall be carried out in a predefined sequence to allow repeatability of testing conditions.

4.1.2 Test sample

All tests within the sequence shall be made with the same castor(s) or wheel(s), unless otherwise specified in the appropriate standard. Castors and wheels shall not be artificially cooled during testing.

4.1.3 Application of test load

The test load shall always be applied directly so that its centre of gravity lies central to the mounting plane of the castor(s), or the centre of the test frame (where required) on which the sample(s) under test are mounted (see Figures 3 and 7). Unless otherwise specified, the test load shall be a real weight.