

Australian/New Zealand Standard™

Furniture—Fixed height chairs

Part 1: Human-interface and general requirements



AS/NZS 4688.1:2007

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee CS-088, Commercial Furniture. It was approved on behalf of the Council of Standards Australia on 15 October 2007 and on behalf of the Council of Standards New Zealand on 26 October 2007.

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Australian Chamber of Commerce and Industry
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Australian Taxation Office
Business New Zealand
Ergonomics Society of Australia
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Part 1: Human-interface and general requirements

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee CS-088, Commercial Furniture to supersede AS/NZS 4688.1:2000, *Furniture—Fixed height chairs, Part 1: Ergonomic and general requirements*.

The technical content of this Standard was based on the human-interface requirements from the National Occupational Health and Safety Commission (1991) AGPs Press Canberra *Principles and Checklists for the Selection of Office Furniture and Equipment*.

The objective of this edition is to update the dimensional requirements given in Table 2 to be in line with the dimensions of AS/NZS 4438, *Height adjustable swivel chair*.

This Standard is Part 1 of a series of requirements for dimensions and testing of fixed height chairs. Other Parts in this series are as follows:

- Part 2: Determination of strength and durability
- Part 3: Determination of stability—Upright chairs
- Part 4: Determination of stability—Chairs with tilting or reclining mechanisms when fully reclined and rocking chairs.

For chair types not covered by this Standard refer to AS/NZS 4438, *Height adjustable swivel chairs* and AS/NZS 3813, *Plastic monobloc chairs*. In the case of multiple seats, the tests in this Standard may be applied in the way described in EN 12727, *Furniture—Ranked seating—Test methods and requirements for strength and durability*, Part 3: *Methods for determination of strength of settees*. For laboratory of technical seating refer to DIN 68877—1981, *Swivelling work chair; safety requirements, testing*.

The term ‘informative’ has been used in this Standard to define the application of the appendix to which it applies. An ‘informative’ appendix is only for information and guidance.

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Australian/New Zealand Standard
Furniture—Fixed height chairs**Part 1: Human-interface and general requirements****1 SCOPE**

This Standard sets out the dimensional requirements and general requirements for chairs (excluding lounge chairs) of fixed height with either fixed or swivel bases, intended to seat one person in an upright position (such as when sitting at a desk or table). The requirements for adjustable height chairs and plastic monobloc chairs are not covered by this Standard.

2 OBJECTIVE

The objective of this Standard is to provide specifiers and manufacturers with a Standard containing human-interface and general requirements for chairs and general requirements for stools to enable purchasing authorities, retailers and users to use these criteria to assist in selection and evaluation.

3 REFERENCED DOCUMENTS

AS

- 2281 Flexible cellular polyurethane for seat cushioning and bedding
- 2282 Methods for testing flexible cellular polyurethane
- 2282.3 Part 3: Determination of apparent density

AS/NZS

- 1957 Textiles—Care labeling
- 4088 Specification for burning behavior of upholstered furniture
- 4088.1 Part 1: Upholstery materials for domestic furniture—Smoldering ignitability
- 4438 Height adjustable swivel chairs
- 4688 Furniture—Fixed height chairs
- 4688.2 Part 2: Determination of strength and durability
- 4688.3 Part 3: Determination of stability—Upright chairs
- 4688.4 Part 4: Determination of stability—Chairs with tilting or reclining mechanisms when fully reclined, and rocking chairs

BS

- 5852 Methods of test for assessment of the ignitability of upholstered seating by smoldering and flaming ignition sources

AFRDI

- 104 Performance of furniture and furniture components under various climatic conditions
- 108 Requirements for surface coatings for furniture