

Australian/New Zealand Standard™

**Office desks, office workstations and
tables intended to be used as office
desks—Mechanical, dimensional and
general requirements and test methods**



AS/NZS 4442:2018

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Business New Zealand
Furniture and Cabinetmaking Association of New Zealand
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Office desks, office workstations and tables intended to be used as office desks—Mechanical, dimensional and general requirements and test methods

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PREFACE

This Standard has been prepared by Joint Standards Australia/Standards New Zealand Committee CS-088, to supersede AS/NZS 4442:1997, *Office desks* and AS/NZS 4443:1997, *Office panel systems—Workstations*.

The objective of this Standard is to provide manufacturers, specifiers, retailers, purchasers and users with requirements and test methods for general safety, strength, durability, stability and dimensions for office desks, office workstations, and tables intended to be used as office desks (the term ‘unit’ is used in this Standard), for use in indoor commercial and/or home office environments, to assist in determining the suitability of these items for their intended purpose.

The revision of AS/NZS 4442 and AS/NZS 4443 was considered necessary to maintain relevance, implement improvements, and to ensure the methodology and requirements reflect current use and design. For example, monitor technology has changed, and unit designs have become more complex in the years since AS/NZS 4442 and AS/NZS 4443 were first published in 1997.

The revision of AS/NZS 4442 and AS/NZS 4443 into one standard was considered practical due to desks and workstations fulfilling a near identical role in the office environment, which necessitated near identical requirements and test methodologies.

This Standard references AS/NZS 4790:2006 (reconfirmed 2016), *Furniture—Storage units—Determination of strength and durability*, for the testing of storage units that are attached to the unit.

This Standard references AS/NZS 4688.2:2000 (reconfirmed 2016), *Furniture—Fixed height chairs, Part 2: Determination of strength and durability*, for the testing of fixed height seating that is attached to, or is integrated into the structure of the unit.

In the wider furniture industry the terms ‘office workstation’ and ‘office desk’ are often used interchangeably. Readers of this Standard should be aware that specific definitions of an office desk, office workstation, and a table intended to be used as an office desk are used in this Standard.

The Standard’s dimensional requirements are intended to allow the ergonomically correct use of the unit by the user. However, this Standard does not instruct on the ergonomic use of a unit.

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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FOREWORD

A lack of current Australian and New Zealand anthropometric data necessitated the selection of another source if dimensional requirements were to be included in this Standard. Business and Institutional Furniture Manufacturers Association document, BIFMA G1-2013, *Ergonomics Guideline—Ultimate Test for Fit*, was referred to in the preparation of this Standard because it was publicly available and considered likely to be relatively similar to the Australian and New Zealand populations.

When used with adjustable height chairs and, if necessary, suitable foot stools, units meeting the dimensional requirements of this Standard, with the exception of the work surface height of fixed height primary worktops, can be expected to be suitable for the majority of users within the height range (stature) from 5th percentile female to 95th percentile male as defined in the publication BIFMA G1-2013.

The work surface height of fixed height primary worktops meeting the dimensional requirements of this Standard can be expected to be suitable for the majority of users within the height range from 5th percentile female to <95th percentile male, as defined in BIFMA G1-2013.

The exception of fixed height primary worktops is included because, by being fixed, a primary worktop's height must be skewed toward use by taller users to enable a greater range of people who can utilize it. Shorter people may need to utilize a footrest with such a worktop and 95th percentile height range males may not find the fixed worktop high enough and should use a height adjustable desk. Therefore, user height adjustable primary worktops, either manual or electric, are recommended over the ergonomic compromise that is a fixed height primary worktop.

The strength and durability tests of this Standard have been developed to emulate the estimated rigours of a typical 10 year unit life that encompasses single shift (8 hour) use per day. Conformance with this Standard does not necessarily guarantee a 10 year life, because in practice variables such as the environment, user size, usage, care, misuse, and maintenance cannot be fully anticipated.

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