
**Furniture — Storage units — Test
methods for the determination of
stability**

*Ameublement — Éléments de rangement — Méthodes d'essai pour la
détermination de la stabilité*





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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 136, *Furniture*.

This second edition cancels and replaces the first edition (ISO 7171:1988), which has been technically revised.

The main changes compared to the previous edition are as follows:

- Definitions have been added;
- Figures have been added;
- [Table 1](#) has been moved into the standard from an informative annex;
- Wherever possible, test descriptions have been clarified for ease of use;
- [Annex A](#) has been revised with load and forces for different applications;
- A new [Annex B](#) has been added.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Furniture — Storage units — Test methods for the determination of stability

1 Scope

This document specifies test methods for determining the stability of free-standing storage units that are fully assembled and ready for use.

The test results are only valid for the unit/component tested. These results can be used to represent the performance of production models provided that the tested model is representative of the production model.

This document specifies test methods only. It does not specify requirements for specific forces that the storage unit must withstand without overturning. It is intended that these be specified in a requirements document.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <http://www.electropedia.org/>

3.1

extension element

component (3.13) that can be pulled out and pushed in

EXAMPLE Drawers, suspended pocket files, keyboard trays.

3.2

flap

horizontally hinged door, which opens upwards or downwards

3.3

free standing unit

unit (3.6) not intended to be attached to a load bearing structure

3.4

interlock

device which restrains the opening of more than one *extension element* (3.1) at a time

3.5

levelling device

adjustable device intended to keep the item of furniture perpendicular to the floor