INTERNATIONAL STANDARD

ISO 7171

Second edition
2019-02

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

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

Reference number
ISO 7171:2019(E)

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Fax: +41 22 749 09 47
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

Contents

Page

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).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

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