Irish Standard
I.S. EN 16337:2013

Hardware for furniture - Strength and loading capacity of shelf supports

I.S. EN 16337:2013

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English Version

Hardware for furniture - Strength and loading capacity of shelf supports

Quincaillerie d'ameublement - Résistance mécanique et capacité de charge des supports d'étagère

Möbelbeschläge - Festigkeit und Tragfähigkeit von Bodenträgern

This European Standard was approved by CEN on 1 May 2013.

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Foreword

This document (EN 16337:2013) has been prepared by Technical Committee CEN/TC 207 “Furniture”, the secretariat of which is held by UNI.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by December 2013, and conflicting national standards shall be withdrawn at the latest by December 2013.

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1 Scope

This European Standard specifies test methods for the verification of the loading capacity of shelf supports.

This standard does not apply to ceiling attached shelf support systems.

The tests consist of the application of vertical loads and forces simulating normal functional use, as well as misuse that might reasonably be expected to occur.

With the exception of the corrosion test in 6.4, the tests are designed to evaluate properties without regard to materials, design/construction or manufacturing processes.

The strength tests include only the shelf supports and their components as well as the attachment to the cabinet and/or to the wall. If the shelf support has additional functions, e.g. as a connector or as an extension element, these are not covered by this standard.

The test results are only valid for the shelf supports tested. The results may be used to represent the performance of production models provided that the tested model is representative of the production model.

The test results can only be used as a guide to the performance of the shelf supports.

With the exception of the corrosion test, ageing and influences of temperature and humidity are not included.

Annex A (normative) includes requirements for product information.

Annex B (normative) includes test parameters.

Annex C (informative) includes method for the determination of loading capacity.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 320, *Particleboards and fibreboards - Determination of resistance to axial withdrawal of screws*

EN 323, *Wood-based panels - Determination of density*

EN 14322, *Wood-based panels - Melamine faced boards for interior uses - Definition, requirements and classification*

EN ISO 6270-2, *Paints and varnishes - Determination of resistance to humidity - Part 2: Procedure for exposing test specimens in condensation-water atmospheres (ISO 6270-2)*

ISO 7619-2, *Rubber, vulcanized or thermoplastic — Determination of indentation hardness — Part 2: IRHD pocket meter method*