



NSAI
Standards

Irish Standard
I.S. EN 15828:2010

Hardware for furniture - Strength and durability of hinges and their components - Stays and hinges pivoting on a horizontal axis

I.S. EN 15828:2010

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English Version

Hardware for furniture - Strength and durability of hinges and their components - Stays and hinges pivoting on a horizontal axis

Quincaillerie d'ameublement - Résistance mécanique et endurance des charnières et de leurs composants - Compas et charnières pivotant sur un axe horizontal

Möbelbeschläge - Festigkeit und Dauerhaltbarkeit von Scharnieren und deren Komponenten - Klappenhalter und Scharniere mit horizontaler Drehachse

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Foreword

This document (EN 15828:2010) 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of an identical text or by endorsement, at the latest by April 2011, and conflicting national standards shall be withdrawn at the latest by April 2011.

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Introduction

The aim of this European Standard is to provide furniture manufacturers, designers and developers with comparable information regarding the performance of all types of hinges and their components.

1 Scope

This European Standard specifies test methods and requirements for the strength and durability of all hinges, stays and systems which include hinges and stays pivoting on a horizontal axis and their components for all fields of application.

It does not apply to systems intended for storage functions.

This standard does not apply to electrically actuated systems.

The tests consist of the application of loads, forces and velocities 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 and durability tests only relate to the hinges and the parts used for the attachment, e.g. mounting plates and screws.

The strength and durability tests are carried out in a test frame with specified properties. The test results can only be used as a guide to the performance of a piece of furniture.

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

With the exception of corrosion, ageing and the influence of heat and humidity are not included.

Annex A (normative): requirements for product information.

Annex B (normative): loads and cycles.

2 Normative references

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

EN 320, *Fibreboards — Determination of resistance to axial withdrawal of screws*

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

EN ISO 6270-2, *Paints and varnishes — Determination of resistance to humidity — Part 2: Procedure for exposing test specimens in condensation-water atmospheres (ISO 6270-2:2005)*

3 Terms and definitions

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

3.1

catch device

device which keeps or pulls a flap in place, but does not require a second action in order to release it, e.g. a magnetic catch or a self-closing or self-opening mechanism

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