



National Standards Authority of Ireland
Údarás um Chaighdeáin Náisiúnta na hÉireann

IRISH STANDARD

I.S. EN 15570:2008

ICS 91.190

National Standards
Authority of Ireland
Northwood, Dublin 9
Ireland

Tel: +353 1 807 3800
Fax: +353 1 807 3838
<http://www.nsai.ie>

Sales

<http://www.standards.ie>

*This Irish Standard was
published under the authority
of the National Standards
Authority of Ireland and
comes into effect on:
14 July 2008*

**HARDWARE FOR FURNITURE - STRENGTH
AND DURABILITY OF HINGES AND THEIR
COMPONENTS - HINGES PIVOTING ON A
VERTICAL AXIS**

**NO COPYING WITHOUT NSAI
PERMISSION EXCEPT AS
PERMITTED BY COPYRIGHT
LAW**

© NSAI 2008

Price Code I

Údarás um Chaighdeáin Náisiúnta na hÉireann

This page is intentionally left BLANK.

ICS 91.190

English Version

Hardware for furniture - Strength and durability of hinges and their components - Hinges pivoting on a vertical axis

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

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

This European Standard was approved by CEN on 11 April 2008.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: rue de Stassart, 36 B-1050 Brussels

Contents

Page

Foreword.....	3
Introduction	4
1 Scope	5
2 Normative references	5
3 Terms and definitions	5
4 General test conditions	6
4.1 Preliminary preparation	6
4.2 Test equipment	6
4.3 Application of forces	6
4.4 Tolerances	6
4.5 Sequence of testing.....	7
4.6 Inspection and assessment of results	7
5 Test apparatus	7
5.1 Masses	7
5.2 Test frame.....	7
5.3 Particle board properties	9
6 Test procedures and requirements.....	9
6.1 General.....	9
6.2 Overload tests	9
6.2.1 Vertical static overload	9
6.2.2 Horizontal static overload.....	10
6.3 Functional tests	11
6.3.1 General.....	11
6.3.2 Operating forces	11
6.3.3 1 st vertical static load test.....	13
6.3.4 1 st horizontal static load.....	13
6.3.5 Slam shut.....	13
6.3.6 Determination of reference point for the door sagging	14
6.3.7 Durability	15
6.3.8 Deflection (sagging) test.....	16
6.3.9 2 nd vertical static load.....	17
6.3.10 2 nd horizontal static load	17
6.4 Corrosion resistance	17
7 Test report	17
Annex A (normative) Product information system	19
A.1 General.....	19
A.2 Field of application	19
A.3 The mass and size of the door	19
A.4 Adjustment systems and spring and damper mechanisms.....	19
A.5 Corrosion test	19
Annex B (normative) Test parameters	20
Bibliography	23

Foreword

This document (EN 15570:2008) 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 November 2008, and conflicting national standards shall be withdrawn at the latest by November 2008.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

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 pivoting on a vertical axis and their components.

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

-
- [Looking for additional Standards? Visit Intertek Inform Infostore](#)
 - [Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation](#)
-