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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 46146-2025

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

家具五金件 铰链及其部件的强度和耐久性 绕垂直轴转动的铰链

(English Translation)

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Table of Contents

Preface	
1 Scope	
2 Normative references	
3 Terms and Definitions	
4 Test conditions	
4.1 General	
4.2 Loading force	
4.3 Tolerance	
4.4 Test sequence	
4.5 Inspection and evaluation of results	
5 Test Equipment	
5.1 General Principles	
5.2 Test weight	
5.3 Test Framework	
5.4 Particleboard properties	
6 Test procedures and requirements	
6.1 General requirements	
6.2 Overload test	
6.3 Functional test	
6.4 Corrosion resistance	
7 Test Report	
Appendix A (Normative) Product Information	
A.1 General Requirements	
A.2 Scope of application	
A.3 Door mass and dimensions	
A.4 Adjustment system, spring and damper mechanism	
A.5 Corrosion resistance test	
Appendix B (Normative) Test Parameters	
Reference	

Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting.

This document is equivalent to ISO 4769:2022 "Furniture hardware hinges and their components - Strength and durability of hinges rotating about a vertical axis" Hinge.

1 Scope

This document describes the test methods and tests for the strength and durability of hinges and their components rotating about a vertical axis in the furniture hardware sector. parameter.

Apart from corrosion, this document does not address the effects of ageing, heat and humidity.

2 Normative references

The contents of the following documents constitute the essential clauses of this document through normative references in this document.

For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to this document.

ISO 6270-2 Paints and varnishes - Determination of resistance to humidity - Part 2: Condensation (Exposure in a test chamber with a heated water bath) Note. GB/T 13893.2-2019 Paints and varnishes - Determination of resistance to moisture - Part 2: Condensation (exposure in a test chamber with a heated water tank) (ISO 6270-2:2017, IDT)

3 Terms and Definitions

The following terms and definitions apply to this document.

The URLs for terminology databases used for standardization maintained by ISO and IEC are as follows.

Positioning device catch device A device that holds or pulls a door in place and does not require any additional operation to release it.

Note: Magnetic door stopper or self-closing and self-opening mechanism.

damper

A mechanism that slows down the closing speed of a door.

4.1 General

Hinges should be assembled, installed and adjusted according to the instructions provided.

If no installation, assembly or adjustment instructions are provided, the method of installation or assembly that is least favorable to the hinge performance should be used and the