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

GB/T 41650-2022

**Furniture - Beds - Test methods for the determination of
stability, strength and durability**

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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 of Standardization Documents" drafted.

This document is equivalent to ISO 19833:2018 "Test methods for stability, strength and durability of furniture beds".

Please note that some content of this document may be patented. The issuing agency of this document assumes no responsibility for identifying patents.

1 Scope

This document describes methods for testing the stability, strength and durability of fully assembled beds, including bed frames and bed tops.

This document applies to all types of adult beds, not water beds, air beds, foldable beds, bunk beds, special needs beds or nursing care and medical beds.

This document does not include methods for evaluating product aging, degradation, fire protection and electrical functions.

The strength and durability of storage components, seating surfaces and other features associated with the bed are tested against other criteria.

Additional tests apply if the bed has additional features such as storage, electrical adjustment or adjustment from a sofa into a bed.

This document does not specify loads, cycles and force values, which are specified by the requirements document. If no documents are required, please refer to Appendix A

Recommended load and number of cycles, etc.

The test methods of this document do not evaluate the durability of soft packages, such as filling materials and cladding.

2 Normative references

The contents of the following documents constitute essential provisions of this document through normative references in the text. Among them, dated citations

documents, only the version corresponding to that date applies to this document; for undated references, the latest edition (including all amendments) applies to this document.

Note. GB/T 10807-2006 Determination of hardness of flexible foamed polymeric materials (indentation method) (ISO 2439.1997, IDT)

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1

frameless slatted bed surface unframedslatbase

A bed surface made of separate slats held together by textile, rubber or plastic straps.

Note. When the load acts on a slat, the force is transmitted to the support only through this one slat.

3.2

bed cover framedbase with frame

A bed surface consisting of slats or springs connected to a fully constructed frame system.

NOTE. When a load acts on a component, such as a slat or a spring, the force is transmitted through the frame to the support.

4.1 Preliminary preparation

The test is for a fully assembled and ready-to-use bed. The bed should be assembled according to the installation instructions provided by the manufacturer. If the bed can be pressed

According to different ways to assemble or combine, each test should be carried out according to the most unfavorable combination. If no assembly instructions are provided,