

Domestic furniture - Beds and mattresses - Methods of measurement and recommended tolerances

The European Standard EN 1334:1996 has the status of a Swedish Standard. This document contains the official English version of EN 1334:1996.

This European standard supersedes the clauses 2, 4 and 5 in SS 839661 (see SS 839661 T1).

Swedish Standards corresponding to documents referred to in this Standard are listed in "Catalogue of Swedish Standards", annually issued by SIS. The Catalogue lists, with reference number and year of Swedish approval, International and European Standards approved as Swedish Standards as well as other Swedish Standards.

Möbler - Bäddar och madrasser för hemmabruk - Mätmetoder och rekommenderade toleranser

Europastandarden EN 1334:1996 gäller som svensk standard. Detta dokument innehåller den officiella engelska versionen av EN 1334:1996.

Denna europeiska standard ersätter avsnitten 2, 4 och 5 i SS 839661 (se SS 839661 T1)

Motsvarigheten och aktualiteten i svensk standard till de publikationer som omnämns i denna standard framgår av "Katalog över svensk standard", som årligen ges ut av SIS. I katalogen redovisas internationell och europeiska standarder som fastställts som svenska standarder och övriga gällande svenska standarder.

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English version

**Domestic furniture - Beds and mattresses -
Methods of measurement and recommended tolerances**

Ameublement domestique – Lits et matelas –
Méthodes de mesure et tolérances
recommandées

Wohnmotel - Betten und Matratzen –
Meßverfahren und Toleranzempfehlungen

This European Standard was approved by CEN on 1996-02-09. 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 Central Secretariat or to any CEN member.

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CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

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Foreword

This European Standard has been prepared by The Technical Committee CEN/TC 207 "Furniture", of which the secretariat is held by IBN

The text forms part of a series of standards fixing safety requirements and the performance of beds and mattresses.

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 September 1996, and conflicting national standards shall be withdrawn at the latest by September 1996.

According to the CEN/CENELEC Internal regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

0 Introduction

This European Standard has been prepared in order to establish a method for the determination of the essential dimensions of **mattresses**, bed frames, divans and bed bases.

A large variety of bed designs exists in Europe. so. in order to help manufacturers, retailers and consumers to get the correct fit between the bed components. a nominal dimension *D*. has been introduced and tolerances to the nominal dimension are recommended.

1 Scope

This European Standard describes methods of measurement for the determination of the dimensions of all types of domestic mattresses, bed frames, divans and bed bases intended for adult size.

However. it does not apply to air beds and water beds nor to mattress pads that are placed on top of the main support mattress.

It also includes recommended tolerances based on any nominal dimension in order to ensure the correct fit between the bed components.

However. specific requirements apply to the dimensions of bed bases for bunkbeds and single beds for use at a height of the upper face of the bed base of 800 mm and more above floor level (EN 747-1).

2 Normative references

This European Standard incorporates, by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references, the latest edition of the publication referred to applies.

EN 747-1 Bunkbeds for domestic use - Part 1 Safety requirements

3 Definitions

For the purposes of this standard, the following definitions apply :

3.1 Nominal dimension

Dimension used by the manufacturer to describe the size of an item.

3.2 Unframed slat base

Bed base consisting of separate slats flexibly held together normally by means of textile, rubber or plastic tape.

NOTE : When loading one slat, the load is transferred to the support by that slat only.

3.3 Framed base

Bed base consisting of slats, springs, etc.. which are connected to a structural frame system.

Note : When loading one component only. e g a slat or a spring, the load is distributed by the frame to the support.

3.4 Framed sprung mattresses

Upholstered bed bases consisting of springs. topped with fillings, on a rigid frame to be used in a bed frame or freestanding.

3.5 Divan base

Upholstered bed base used without the need of any homework. It maybe constructed with a spring filling or a solid top and may include drawers or storage facilities.

4 General test conditions

4.1 Preparation

The item shall be tested as delivered. If of knockdown type. it shall be assembled according to the instructions supplied with the furniture.

Assembly fittings shall be tightened before testing

Where items have been compressed by packaging or storage these shall be allowed to recover unconstrained for at least 24 hours or according to manufacturers recommendations, whichever is the longest.

4.2 Measuring accuracy

All forces shall have an accuracy of = 5 % and all dimensions an accuracy of ± 1 mm.

5 Test equipment

5.1 Support surface

Rigid horizontal, flat

For the mattress measurements. it shall have a smooth melamine face surface.