

**Furniture - Bunk beds and high beds - Part 1: Safety, strength and durability requirements**

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## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

See Eesti standard EVS-EN 747-1:2012 sisaldab Euroopa standardi EN 747-1:2012 ingliskeelset teksti.	This Estonian standard EVS-EN 747-1:2012 consists of the English text of the European standard EN 747-1:2012.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 18.04.2012.	Date of Availability of the European standard is 18.04.2012.
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English Version

## Furniture - Bunk beds and high beds - Part 1: Safety, strength and durability requirements

Meubles - Lits superposés et lits surélevés - Partie 1:  
Exigences de sécurité, de résistance et de durabilité

Möbel - Etagenbetten und Hochbetten - Teil 1:  
Anforderungen an die Sicherheit, Festigkeit und  
Dauerhaltbarkeit

This European Standard was approved by CEN on 8 March 2012.

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-CENELEC 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-CENELEC Management Centre has the same status as the official versions.

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## Foreword

This document (EN 747-1:2012) 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of an identical text or by endorsement, at the latest by October 2012, and conflicting national standards shall be withdrawn at the latest by October 2012.

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.

This document supersedes EN 747-1:2007 and EN 13453-1:2004.

Compared to EN 747-1:2007 and EN 13453-1:2004, the following modifications have been made:

— Subclause 4.1.1 *General* includes 4 options for protruding parts depending on the sizes of the part.

EN 747 is divided into the following parts:

- EN 747-1, *Furniture — Bunk beds and high beds — Part 1: Safety, strength and durability requirements*;
- EN 747-2, *Furniture — Bunk beds and high beds — Part 2: Test methods*.

It should be noted that the changes made to Part 2 are of importance for Part 1 because information regarding loads and forces is contained in Part 2.

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, Croatia, 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, Turkey and the United Kingdom.

## **Introduction**

This part of EN 747 specifies requirements for bunk beds and high beds for use by one occupant per bed.

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## 1 Scope

This European Standard specifies requirements for the safety, strength and durability of bunk beds and high beds for domestic and non-domestic use. The loads and forces in the strength and durability tests apply to beds with an internal length greater than 140 cm and a maximum bed base width of 120 cm.

The dimensional requirements are intended to minimise the risk of accidents, particularly to children.

The strength and durability requirements are intended to represent use by one occupant per bed.

Safety requirements for other products included in a bunk bed/high bed, for example a table or storage furniture, are not included in this standard.

This European Standard does not apply to bunk beds and high beds used for special purposes, including but not limited to prison, the military and fire brigades.

## 2 Normative references

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

EN 747-2:2012, *Furniture — Bunk beds and high beds — Part 2: Test methods*

## 3 Terms and definitions

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

### 3.1

#### **bunk bed**

set of components that can be assembled as beds, one above the other, where the upper surface of the top bed base is 800 mm or more above the floor

### 3.2

#### **high bed**

set of components that can be assembled as a bed, where the upper surface of the top bed base is 800 mm or more above the floor, irrespective of the use to which the space below is put

### 3.3

#### **bed end structures**

upright unit at the head and foot of the bed to which the side rails are attached

### 3.4

#### **bed base**

support structure for a mattress

### 3.5

#### **safety barrier**

component intended to prevent an occupant from falling out of the upper bed or the high bed

### 3.6

#### **side rail**

longitudinal member attached to the bed end structure by which the bed base can be supported