Kiirabiautodes kasutatavad patsiendi transpordi abivahendid. Osa 5: Kanderaami tugi

Patient handling equipment used in road ambulances n port Part 5: Stretcher support



#### **EESTI STANDARDI EESSÕNA**

#### **NATIONAL FOREWORD**

See Eesti standard EVS-EN 1865-5:2012 sisaldab Euroopa standardi EN 1865-5:2012 ingliskeelset	This Estonian standard EVS-EN 1865-5:2012 consists of the English text of the European standard EN 1865-
teksti.	5:2012.
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.
	Date of Availability of the European standard is 13.06.2012.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

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ICS 11.160

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### EUROPEAN STANDARD

#### EN 1865-5

# NORME EUROPÉENNE

**EUROPÄISCHE NORM** 

June 2012

ICS 11.160

Supersedes EN 1865:1999

#### **English Version**

## Patient handling equipment used in road ambulances - Part 5: Stretcher support

Spécifications d'équipements pour le transport de patient dans les ambulances routières - Partie 5: Table support brancard

Krankentransportmittel in Krankenkraftwagen - Teil 5: Festlegungen zur Krankentragenaufnahme

This European Standard was approved by CEN on 10 May 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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EUROPEAN COMMITTEE FOR STANDARDIZATION COMITÉ EUROPÉEN DE NORMALISATION EUROPÄISCHES KOMITEE FÜR NORMUNG

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#### **Foreword**

This document (EN 1865-5:2012) has been prepared by Technical Committee CEN/TC 239 "Rescue systems", the secretariat of which is held by DIN.

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 December 2012, and conflicting national standards shall be withdrawn at the latest by December 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 together with the EN 1865-1:2010, EN 1865-2:2010, EN 1865-3:2012 and EN 1865-4:2012 supersedes EN 1865:1999.

With respect to EN 1865:1999 the following changes were made:

- a) the stretcher support was introduced as a new item;
- b) the standard has been modified/integrated to meet the Medical Device Directive requirements;
- c) the standard has been modified t/integrated to comply with the Machinery Directive 2006/42/EC and its Essential Health and Safety Requirements (EHSRs).

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive.

For relationship with EU Directive, see informative Annex ZA, which is an integral part of this document.

This European Standard is a part of EN 1865, *Patient handling equipment used in road ambulances*, which consists of the following parts:

- Part 1: General stretcher systems and patient handling equipment
- Part 2: Power assisted stretcher
- Part 3: Heavy duty stretcher
- Part 4: Foldable patient transfer chair
- Part 5: Stretcher support

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.

#### 1 Scope

This European Standard specifies the minimum requirements for the design and performance of stretcher supports that are installed in road ambulances to hold the main stretcher or incubator systems in accordance with EN 1865-1, EN 1865-2 and EN 13976-2 to ensure patient and operators safety and to minimise the physical effort required by staff operating the equipment.

In this European Standard reference is made to EN 1789.

#### 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 1789:2007+A1:2010, Medical vehicles and their equipment — Road ambulances

EN 60601-1 (all subparts), Medical electrical equipment — Part 1: General requirements for basic safety and essential performance (IEC 60601-1)

ISO 6487, Road vehicles — Measurement techniques in impact tests — Instrumentation

#### 3 Terms and definitions

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

#### 3.1

#### stretcher support

device that is fitted to the floor and/or sidewall of an ambulance, on which a stretcher or incubator is located

Note 1 to entry: Stretcher supports may be manually/power operated and may include a shock absorbing system.

Note 2 to entry: The stretcher support may be equipped with special devices to reduce the effect of acceleration forces of the vehicle to the stretcher or incubator during transportation.

Note 3 to entry: The stretcher support may be equipped with devices such as a tilting and extendable top tray, a fixed or folding ramp.

#### 3.2

#### stretcher support with manual operation

support that can only be moved by using manual force of the operator

#### 3.3

#### powered stretcher support

support that is completely or partially power-operated by means of actuators (electrical, hydraulic, pneumatic, etc.)

#### 3.4

#### shock absorbing stretcher support

support with pneumatic, hydraulic, hydro-pneumatic or mechanical suspension(s)

Note 1 to entry: It is designed to cushion the effect of road surfaces, thus providing better comfort for the patient