



NSAI
Standards

Irish Standard
I.S. EN 1865-3:2012+A1:2015

Patient handling equipment used in road ambulances - Part 3: Heavy duty stretcher

I.S. EN 1865-3:2012+A1:2015

Incorporating amendments/corrigenda/National Annexes issued since publication:

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NSAI
1 Swift Square,
Northwood, Santry
Dublin 9

T +353 1 807 3800
F +353 1 807 3838
E standards@nsai.ie
W NSAI.ie

Sales:
T +353 1 857 6730
F +353 1 857 6729
W standards.ie

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English Version

Patient handling equipment used in road ambulances - Part 3: Heavy duty stretcher

Équipement d'ambulances pour le transport de patients -
Partie 3 : Brancard bariatrique

Krankentransportmittel im Krankenkraftwagen - Teil 3:
Schwerlastkrankentrage

This European Standard was approved by CEN on 10 May 2012 and includes Amendment 1 approved by CEN on 20 December 2014.

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EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

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Contents

Page

Foreword.....	3
Introduction	5
1 Scope	6
2 Normative references	6
3 Terms and definitions	6
4 Requirements	7
4.1 General.....	7
4.2 Dimensions.....	7
4.3 Mass	8
4.4 Loading capacity.....	8
4.5 Frame	8
4.5.1 General.....	8
4.5.2 Stretcher parts	8
4.5.3 Undercarriage.....	8
4.5.4 Power source	9
4.6 Restraint systems	9
4.7 Flammability – toxicity burning gases	9
4.8 Deformation of the frame	9
4.9 Fixation	10
4.10 Deformation of the lying area	10
4.11 Resistance to torsion	10
4.12 Splaying of the wheels	10
5 Test methods.....	10
5.1 Permanent deformation of the frame	10
5.1.1 Stretcher frame	10
5.1.2 Undercarriage frame.....	11
5.2 Fixation inside the ambulance	11
5.3 Permanent deformation of the lying area.....	11
5.4 Resistance to twisting/torsion.....	12
5.5 Splaying of the wheels	12
6 Marking	12
Annex ZA (informative) Relationship between this European Standard and the Essential Requirements of EU Directive 93/42/EEC on Medical Devices	13
Bibliography	15

Foreword

This document (EN 1865-3:2012+A1:2015) 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of an identical text or by endorsement, at the latest by September 2015, and conflicting national standards shall be withdrawn at the latest by September 2015.

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 includes Amendment 1 approved by CEN on 20 December 2014.

A1 This document supersedes EN 1865-3:2012. **A1**

The start and finish of text introduced or altered by amendment is indicated in the text by tags **A1** **A1**.

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

- a) it shall be possible to increase the width of the lying part to minimum of 750 mm;
- b) the weight of the device was changed from 51 kg to maximum 65 kg;
- c) the capacity was changed from 150 kg to minimum 250 kg;
- d) the undercarriage, if power assisted, has no limits in height or in variable positions;
- e) the power source of the stretcher was defined;
- f) permanent deformation test of the frame shall be done with 400 kg instead of 250 kg and if the lateral extensions are fitted 75 kg shall be evenly set on each extension;
- g) permanent deformation test of the frame shall be done with 250 kg instead of 150 kg;
- h) splaying of the wheels test shall be done with 400 kg instead of 250 kg;
- i) the standard has been modified/integrated to meet the Medical Device Directive 93/42/EEC requirements
- j) the standard has been modified/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.

A1 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* [the present document];

EN 1865-3:2012+A1:2015 (E)

— *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, Former Yugoslav Republic of Macedonia, 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

In this European Standard, reference is made to  EN 1789:2007+A2:2014 , which specifies design requirements and test methods for road ambulances, which are relevant for checking requirements for such handling equipment.

EN 1865-3:2012+A1:2015 (E)

1 Scope

This European Standard specifies minimum requirements for the design and performance of heavy duty stretchers used in road ambulances for the treatment and transportation of patients. It aims to ensure patient safety and minimize the physical effort required by staff operating the equipment.

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 597-1:1994 ^{A1}, *Furniture — Assessment of the ignitability of mattresses and upholstered bed bases — Part 1: Ignition source: Smouldering cigarette*

EN (deleted text) ^{A1}

EN 1041:2008+A1:2013 ^{A1}, *Information supplied by the manufacturer of medical devices*

EN 1789:2007+A2:2014 ^{A1}, *Medical vehicles and their equipment — Road ambulances*

EN 1865-1:2010 ^{A1}, *Patient handling equipment used in road ambulances — Part 1: General stretcher systems and patient handling equipment*

EN 60601-1-2:2014, *Medical electrical equipment — Part 1-2: General requirements for basic safety and essential performance — Collateral Standard: Electromagnetic disturbances — Requirements and tests (IEC 60601-1-2:2014)* ^{A1}

EN 62366:2008, *Medical devices — Application of usability engineering to medical devices (IEC 62366:2007)* ^{A1}

EN ISO 14971:2012, *Medical devices — Application of risk management to medical devices (ISO 14971:2007, Corrected version 2007-10-01)* ^{A1}

EN ISO 15223-1:2012, *Medical devices — Symbols to be used with medical device labels, labelling and information to be supplied — Part 1: General requirements (ISO 15223-1:2012)* ^{A1}

3 Terms and definitions

For the purposes of this document, the following term and definition apply.

3.1

heavy duty stretcher

stretcher designed for the treatment and transportation of patients where the weight or dimensions of the patient exceed those of the operating capability of the main stretcher

Note 1 to entry: The term "main stretcher" is defined in EN 1865-1:2010 ^{A1}.

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