



SLOVENSKI STANDARD

oSIST prEN 1865-1:2025

01-oktober-2025

Oprema za ravnanje s pacienti v reševalnih vozilih - 1. del: Splošni sistemi nosil in oprema za ravnanje s pacienti

Patient handling equipment used in ambulances - Part 1: General stretcher systems and patient handling equipment

Krankentransportmittel in Rettungsdienstfahrzeugen- Teil1: Allgemeine
Krankentragesysteme und Krankentransportmittel

Équipements pour le transport de patients dans les ambulances - Partie 1 : Spécification pour les systèmes généraux de brancards et équipement pour le transport de patients

Ta slovenski standard je istoveten z: prEN 1865-1

<http://standards.itah.si/catalog/standard/iz/0-2-102-11-2004-1602-88-1-02486-1-6-425/oist-pren-1865-1-2025>

ICS:

11.160 Prva pomoč First aid

oSIST prEN 1865-1:2025 en,fr,de

**EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM**

**DRAFT
prEN 1865-1**

August 2025

ICS

Will supersede EN 1865-1:2010+A1:2015

English Version

**Patient handling equipment used in ambulances - Part 1:
General stretcher systems and patient handling equipment**

Spécifications d'équipements pour le transport de patient dans les ambulances - Partie 1: Systèmes généraux de brancards et équipement pour le transport de patients

Krankentransportmittel im Krankenkraftwagen - Teil 1: Allgemeine Krankentragesysteme und Krankentransportmittel

This draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 239.

If this draft becomes a European Standard, 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.

This draft European Standard was established by CEN 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.

CEN members are the national standards bodies of 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, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and United Kingdom.

Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

Warning : This document is not a European Standard. It is distributed for review and comments. It is subject to change without notice and shall not be referred to as a European Standard.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

Contents

	Page
European foreword	6
Introduction	7
1 Scope.....	8
2 Normative references.....	8
3 Terms and definitions	8
4 Requirements.....	9
4.1 General.....	9
4.2 Main stretcher	9
4.2.1 General.....	9
4.2.2 Dimensions.....	10
4.2.3 Mass	10
4.2.4 Loading capacity.....	10
4.2.5 Frame	10
4.2.6 Lying part of the stretcher	11
4.2.7 Restraint system	12
4.2.8 Flammability – Toxicity burning gases.....	12
4.2.9 Deformation of the frame	12
4.2.10 Fixation.....	12
4.2.11 Deformation of the lying area	12
4.2.12 Resistance to torsion	12
4.2.13 Splaying of the wheels.....	12
4.3 Chair stretcher	12
4.3.1 Dimensions.....	12
4.3.2 Mass	13
4.3.3 Loading capacity.....	13
4.3.4 Frame	13
4.3.5 Lying-sitting part	13
4.3.6 Restraint system	13
4.3.7 Flammability – Toxicity burning gases.....	13
4.3.8 Deformation of the frame	13
4.3.9 Fixation.....	13
4.3.10 Deformation of the lying-sitting area	13
4.3.11 Resistance to torsion	13
4.3.12 Splaying of the wheels.....	13
4.4 Transfer mattress	14
4.4.1 Dimensions.....	14
4.4.2 Mass	14
4.4.3 Loading capacity.....	14
4.4.4 Handles.....	14
4.4.5 Lying part.....	14
4.4.6 Restraint system	14
4.4.7 Flammability – Toxicity burning gases.....	14
4.4.8 Deformation.....	14
4.4.9 Fixation.....	14

4.4.10 Deformation of the lying area	14
4.4.11 Resistance to torsion	15
4.4.12 Splaying of the wheels.....	15
4.5 Carrying sheet.....	15
4.5.1 Dimensions	15
4.5.2 Mass	15
4.5.3 Loading capacity	15
4.5.4 Handles.....	15
4.5.5 Lying part.....	15
4.5.6 Restraint system	15
4.5.7 Flammability – Toxicity burning gases.....	15
4.5.8 Deformation of the handles	15
4.5.9 Fixation.....	15
4.5.10 Deformation of the lying area	15
4.5.11 Resistance to torsion	16
4.5.12 Splaying of the wheels.....	16
4.6 Pick up stretcher.....	16
4.6.1 Dimensions	16
4.6.2 Mass	16
4.6.3 Loading capacity	16
4.6.4 Frame	16
4.6.5 Lying part.....	16
4.6.6 Restraint system	17
4.6.7 Flammability – Toxicity burning gases.....	17
4.6.8 Deformation of the frame	17
4.6.9 Fixation.....	17
4.6.10 Locking	17
4.6.11 Deformation of the lying area	17
4.6.12 Resistance to torsion	17
4.6.13 Splaying of the wheels.....	17
4.7 Vacuum mattress	17
4.7.1 Construction	17
4.7.2 Dimensions	18
4.7.3 Mass	18
4.7.4 Loading capacity	18
4.7.5 Handles.....	18
4.7.6 Restraint system	18
4.7.7 Flammability – Toxicity burning gases.....	18
4.7.8 Deformation	18
4.7.9 Fixation.....	18
4.7.10 Shrinkage.....	18
4.7.11 Deformation of the lying area	19
4.8 Long spinal board	19
4.8.1 Dimensions	19
4.8.2 Mass	19
4.8.3 Loading capacity	19
4.8.4 Construction	19
4.8.5 Lying part.....	19
4.8.6 Restraint system	19
4.8.7 Flammability – Toxicity burning gases.....	19
4.8.8 Deformation	20
4.8.9 Fixation.....	20
4.8.10 Deformation of the lying area	20

prEN 1865-1:2025 (E)

4.8.11 Resistance to torsion	20
4.8.12 Splaying of the wheels.....	20
4.9 Foldable transport chair	20
4.9.1 Dimensions.....	20
4.9.2 Mass	20
4.9.3 Loading capacity.....	20
4.9.4 Frame	20
4.9.5 Sitting part.....	20
4.9.6 Restraint system	21
4.9.7 Flammability – Toxicity burning gases.....	21
4.9.8 Deformation of the frame	21
4.9.9 Fixation.....	21
4.9.10 Locking.....	21
4.9.11 Deformation of the backrest lying-sitting area.....	21
4.9.12 Resistance to torsion	21
4.9.13 Splaying of the wheels.....	21
4.10 Non-foldable transport chair	21
4.10.1 Dimensions.....	21
4.10.2 Mass	21
4.10.3 Loading capacity.....	22
4.10.4 Frame	22
The frame of the non-foldable transport chair shall be of a sturdy lightweight non-twisting construction. It shall have four wheels of at least 100 mm diameter. Either the front or rear wheels shall be able to swivel through 360°. If all four wheels are able to swivel through 360°, at least two shall be lockable when the non-foldable transport chair is moved forward. At least two wheels shall be fitted with a brake. ^{4.10}	22
4.10.5 Sitting part.....	22
4.10.6 Restraint system	22
4.10.7 Flammability – Toxicity burning gases.....	22
4.10.8 Deformation of the frame	22
4.10.9 Fixation.....	22
4.10.10 Deformation of the sitting area	23
4.10.11 Resistance to torsion.....	23
4.10.12 Splaying of the wheels	23
4.10.13 Power Source	23
5 Test methods	23
5.1 Main stretcher.....	23
5.1.1 Permanent deformation of the frame.....	23
5.1.2 Fixation inside the ambulance	24
5.1.3 Permanent deformation of the lying area.....	24
5.1.4 Resistance to twisting/torsion.....	25
5.1.5 Splaying of the wheels.....	25
5.2 Chair stretcher	25
5.2.1 Permanent deformation of the frame.....	25
5.2.2 Permanent deformation of the lying-sitting area	25
5.2.3 Resistance to twisting/torsion.....	25
5.2.4 Splaying of the wheels.....	26
5.3 Transfer mattress	26
5.3.1 Deformation.....	26
5.3.2 Deformation of the lying area	27
5.4 Carrying sheet.....	27
5.4.1 Strength of the handles.....	27