
Izdelki za otroke – Otroški vozički – 1. del: Otroški vozički s sedežem in otroški vozički s košaro (vključno z dopolnilom A1)

Child care articles – Wheeled child conveyances – Part 1: Pushchairs and prams

Articles de puériculture – Voitures d'enfant – Partie 1 : Poussettes et landaus

Artikel für Säuglinge und Kleinkinder – Transportmittel auf Rädern für Kinder – Teil 1: Kinderwagen und Kinderwagenaufsätze

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ICS 97.190

Referenčna oznaka
SIST EN 1888-1:2019+A1:2024 ((sl)en)

Nadaljevanje na straneh od II do IV in od 1 do 112

NACIONALNI UVOD

Standard SIST EN 1888-1:2019+A1 ((sl)en), Izdelki za otroke – Otroški vozički – 1. del: Otroški vozički s sedežem in otroški vozički s košaro (vključno z dopolnilom A1), 2024, ima status slovenskega standarda in je po metodi ponatisa izvirnika z nacionalnim dodatkom privzet evropski standard EN 1888-1:2018+A1 (en), Child care articles – Wheeled child conveyances – Part 1: Pushchairs and prams, 2022.

Ta slovenski standard nadomešča slovenski standard SIST EN 1888-1:2019.

NACIONALNI PREDGOVOR

Evropski standard EN 1888-1:2018+A1:2022 je pripravil tehnični odbor Evropskega komiteja za standardizacijo CEN/TC 252 »Izdelki za otroke«, katerega sekretariat vodi AFNOR.

Ta dokument vključuje dopolnilo A1.

Odločitev za izdajo tega standarda je 9. maja 2024 sprejel tehnični odbor SIST/TC OTR Izdelki za otroke.

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NACIONALNI DODATEK

Dodatek E
(informativni)

Prevodi opozoril v različne evropske jezike

V preglednici E.1, ki navaja prevode opozoril, navedenih v točki 10, se popravi slovenski prevod, in sicer:

Preglednica E.1 – Prevodi opozoril

Slovenian	<p>OPOZORILO!</p> <p><i>Marking of product</i></p> <ul style="list-style-type: none"> — Nikoli ne puščajte otroka brez nadzora. — Ko vaš otrok že sedi samostojno, uporabite varnostni pas. — Sedež ni primeren za otroke, mlajše od 6 mesecev. — Vedno uporabite sistem za zadrževanje. <p><i>Purchase information</i></p> <ul style="list-style-type: none"> — Ta izdelek ni primeren za tek ali rolanje. <p><i>Instructions for use</i></p> <ul style="list-style-type: none"> — POMEMBNO! POZORNO PREBERITE NAVODILA IN JIH SHRANITE KOT NAPOTEK ZA V PRIHODNJE. — Nikoli ne puščajte otroka brez nadzora. — Prepričajte se, da so vsi zaklepni mehanizmi pred uporabo pravilno zapeti. — Da preprečite poškodbe, zagotovite, da pri odpiranju in zlaganju izdelka otrok ne bo v bližini. — Ne dovolite, da bi se otrok igral s tem izdelkom. — Ko vaš otrok že sedi samostojno, uporabite varnostni pas. — Sedež ni primeren za otroke, mlajše od 6 mesecev. — Vedno uporabite sistem za zadrževanje. — Pred uporabo se prepričajte, da so vsi pritrdilni elementi košare ali sedeža ali avtosedeža pravilno zapeti. — Ta izdelek ni primeren za tek ali rolanje.
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ZVEZA Z NACIONALNIMI STANDARDI

S privzemom tega evropskega standarda veljajo za omejeni namen referenčnih standardov vsi standardi, navedeni v izvorniku, razen standardov, ki so že sprejeti v nacionalno standardizacijo:

SIST EN 71-1	Varnost igrač – 1. del: Mehanske in fizikalne lastnosti
SIST EN 71-2:2021	Varnost igrač – 2. del: Vnetljivost
SIST EN 71-3	Varnost igrač – 3. del: Migracija določenih elementov

OSNOVA ZA IZDAJO

– privzem standarda EN 1888-1:2018+A1:2022

PREDHODNE IZDAJE

- SIST EN 1888-1:2019
- SIST EN 1888:2012
- SIST EN 1888:2003

OPOMBE

- Povsod, kjer se v besedilu standarda uporablja izraz “evropski standard”, v SIST EN 1888-1:2019+A1:2024 to pomeni “slovenski standard”.
- Ta nacionalni dokument je istoveten EN 1888-1:2018+A1:2022 in je objavljen z dovoljenjem

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EUROPEAN STANDARD

EN 1888-1:2018+A1

NORME EUROPÉENNE

EUROPÄISCHE NORM

April 2022

ICS 97.190

Supersedes EN 1888-1:2018

English Version

Child care articles - Wheeled child conveyances - Part 1: Pushchairs and prams

Articles de puériculture - Voitures d'enfant - Partie 1 :
Poussettes et landaus

Artikel für Säuglinge und Kleinkinder - Transportmittel
auf Rädern für Kinder - Teil 1: Kinderwagen und
Kinderwagenaufsätze

This European Standard was approved by CEN on 23 April 2018 and includes Amendment 1 approved by CEN on 24 January 2022.

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 foreword

This document (EN 1888-1:2018+A1:2022) has been prepared by Technical Committee CEN/TC 252 “Child care articles”, the secretariat of which is held by AFNOR.

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 2022, and conflicting national standards shall be withdrawn at the latest by October 2022.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes A1 EN 1888-1:2018 A1.

This document includes Amendment 1 approved by CEN on 01 January 2022.

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

In comparison with this EN 1888:2012, the significant technical changes relate to the following issues:

- a) chemical hazards;
- b) entrapment hazards;
- c) hazards from moving parts;
- d) entanglement hazards;
- e) parking device test method;
- f) stability of the vehicle;
- g) introduction of an informative Annex E giving relevant translations for warning sentences;
- h) introduction of an informative Annex D giving information on the assessment of moving parts of canopies;
- i) introduction of an informative Annex G giving information on the arrangement of approval marks for car seats.

In November 2014, the European Working Group decided to split EN 1888 into different parts to clearly treat in a different way, new products or new functions of wheeled child conveyances.

EN 1888 is currently composed with the following parts:

- EN 1888-1, *Child care articles — Wheeled child conveyances — Part 1: Pushchairs and prams*;
- EN 1888-2, *Child care articles — Wheeled child conveyances — Part 2: Pushchairs for children above 15 kg up to 22 kg*.

EN 1888 therefore becomes EN 1888-1 and is only applicable to *pushchairs* and *prams*. It will be used as a reference in future parts.

According to the CEN-CENELEC Internal Regulations, the national standards organisations 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, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

EN 1888-1:2018+A1:2022 (E)**1 Scope**

This document specifies the safety requirements and test methods for *pushchairs and prams*, designed for the carriage of one or more children, up to 15 kg each and up to 20 kg for any *integrated platform* on which a child can stand.

This document does not cover toys, baby carriers fitted with wheels; *pushchairs and prams* propelled by a motor and *pushchairs and prams* designed for children with special needs.

Where a *pushchair or pram* or any part of the *pushchair or pram* has several functions or can be converted into another function it is due to comply with relevant standard(s).

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 71-1, *Safety of toys — Part 1: Mechanical and physical properties*

EN 71-2:2020, *Safety of toys — Part 2: Flammability*

EN 71-3, *Safety of toys — Part 3: Migration of certain elements*

3 Terms and definitions

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

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <http://www.iso.org/obp>

3.1**wheeled child conveyance**

vehicle designed for the carriage of one or more children which can be manually steered while being pushed or pulled

3.2**pushchair**

vehicle comprising a *chassis* and one or more *seat units* or *car seats*

Note 1 to entry: Referred to as the “vehicle” for the purpose of this standard.

3.3**pram**

vehicle comprising a *chassis* and one or more *pram bodies*

Note 1 to entry: Referred to as the “vehicle” for the purpose of this standard.

3.4**integrated platform**

A1 integral part of the vehicle designed to support a child in a standing position **A1**

3.5

chassis

wheeled framework with extended handle(s) for pushing, pulling and steering, designed to accommodate and transport a *pram body* (bodies) or *car seat(s)* or *seat unit(s)* or a combination of these items

3.6

seat unit

structure which may or may not be adjustable to achieve a reclining or recumbent position designed to support one or more children

3.7

type A car seat

Child Restraint System (CRS) used for children up to 9 kg according to Regulation ECE R44 (group 0) or Regulation ECE R129

Note 1 to entry: Child Restraint Systems are covered by UNECE regulations.

Note 2 to entry: Arrangement of approval marks is shown in Annex G

3.8

type B car seat

Child Restraint System (CRS) used for children up to 13 kg according to Regulation ECE R44 (group 0+) or Regulation ECE R129

Note 1 to entry: Child Restraint Systems are covered by UNECE regulations.

Note 2 to entry: Arrangement of approval marks is shown in Annex G.

3.9

pram body

structure with essentially vertical and continuous sides and ends with an internal base designed to transport one or more children in a primarily horizontal position

3.10

protected volume

volume accessible by the child (occupant) when sitting or lying in the *pushchair* or *pram*, where specific safety requirements are necessary

3.11

junction line

intersection of the seat and the backrest

3.12

restraint system

system to restrain the child within the vehicle

3.13

crotch restraint

device positioned between the child's legs to prevent the child from sliding forwards

3.14

harness anchorage point

device suitable for the attachment of an additional child's harness

EN 1888-1:2018+A1:2022 (E)**3.15****footrest**

support for the feet or a foot, used when sitting

3.16**shearing hazard**

hazard due to the movement of components relatively one to another resulting in a scissoring action

3.17**crushing hazard**

hazard due to the movement of components relatively one to another resulting in a compression action

3.18**folding system**

A1 assembly of moving parts which enables the vehicle to be changed from an erected position to a folded position and vice versa under the control of the carer **A1**

3.19**locking mechanism**

assembly of components consisting of one or more *locking device(s)* and *one or more operating device(s)*

3.20**locking device**

mechanical component that maintains part(s) of the vehicle erected in the position of use (e.g. latch(es), hooks, over centre lock...) which could be deactivated or activated by action(s) on the *operating device*

3.21**operating device**

part of the *locking mechanism(s)* designed to be activated by the carer through one or several positive action(s)

3.22**automatic locking device**

device that engages with no additional voluntary action by the carer, when the vehicle is erected to its position of use

3.23**reversible handle**

A1 handle that can be rotated on the *chassis* to change the direction of pushing or pulling **A1**

3.24**occupant space**

space enclosed by the surfaces, for example, side and ends or the base, or both, of a *pram body*, *seat unit* or *car seat* that contains the child (occupant) within a *pram* or *pushchair*

3.25**parking device**

device to maintain the vehicle in a stationary position

3.26**braking device**

device to reduce the speed of the vehicle

3.27**carry cot**

product consisting of a base, sides, ends and carrying handle(s), within which a child can be laid down and transported by hand(s)

Note 1 to entry: Carry cot is the generic term generally used.

4 General requirements and test conditions

NOTE Words in *italics* are defined in Clause 3 (Terms and definitions). Additional information on the background and rationale for various requirements is given in Annex A.

4.1 Samples

Tests should be carried out in the order of the clauses given in this European standard, unless otherwise stated. Each test shall be carried out only using one vehicle, unless otherwise stated.

Vehicles with multiple places for *pram bodies* and/or *seat units* shall comply with all applicable requirements in any possible arrangement in accordance with the manufacturer's instructions. If a vehicle can be equipped with an additional *seat unit* or *pram body* or *type A/B car seat* supplied or recommended by the manufacturer, the combination shall comply with this European Standard.

4.2 Principle of the most onerous condition

Unless otherwise stated each test shall be conducted with the vehicle in the most onerous condition for that test in terms of:

- the choice and number of *seat units* and/or *pram bodies* and/or *car seats* attached to the *chassis* stated in the manufacturer's instructions;
- the addition of any additional *seat unit*(s) approved by the manufacturer;
- the use of test masses: for vehicles transporting more than one child, at least one place that a child can occupy shall be loaded with a test mass;
- the loading (or not) of any receptacle designed for carrying additional load(s) allowed for in the instructions or otherwise approved by the manufacturer and the placing (or not) of load(s) in any such facility, up to the maximum mass allowed in the manufacturer's instructions, or 2 kg if nothing is indicated; small pockets fitted onto textile parts are not concerned by this condition;
- the addition (or not) of any other accessories supplied or recommended by the manufacturer for use with the vehicle and with accessories loaded according to the manufacturer's instructions;
- the adjustment of *seat units*, *pram bodies*, handles, *car seats*, and any other adjustable features or accessories, or any other optional arrangement of the vehicle allowed in the manufacturer's instructions or otherwise approved by the manufacturer.

NOTE The heaviest loads do not always produce the most onerous conditions.

4.3 Tolerances for test equipment

Unless otherwise stated, the accuracy of the test equipment shall be:

- forces $\pm 5\%$;
- masses $\pm 0,5\%$;

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- dimensions $\pm 0,5$ mm;
- timing ± 1 s;
- angles $\pm 0,5^\circ$.

4.4 Test conditions

The vehicle shall be conditioned at a temperature of (23 ± 5) °C for at least 2 h prior to tests. All tests shall be carried out at a temperature of (23 ± 10) °C unless otherwise specified.

For vehicles fitted with inflatable tyres, the tyre pressure shall be adjusted according to manufacturer's instructions for use before conducting the entire test procedure. If a tyre is punctured during the test procedure, the tyre shall be replaced and the test procedure continued.

4.5 Determination of the protected volume**4.5.1 Protected volume of seat units**

The *protected volume* of *seat units* shall be determined in accordance with Figure 1 below.

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