



# SLOVENSKI STANDARD

## SIST EN 1888-2:2019

01-april-2019

Nadomešča:  
SIST EN 1888:2012

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Izdelki za otroke - Otroški vozički - 2. del: Otroški vozički s sedežem za otroke, težke nad 15 kg do 22 kg

Child care articles - Wheeled child conveyances - Part 2: Pushchairs for children above 15 kg up to 22 kg

Artikel für Säuglinge und Kleinkinder - Transportmittel auf Rädern für Kinder - Teil 2: Kinderwagen für schwerere Kinder

Articles de puériculture - Voitures d'enfant - Partie 2: Poussettes pour enfants de 15 kg à 22 kg

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Ta slovenski standard je istoveten z: **EN 1888-2:2018**

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**ICS:**

97.190      Otroška oprema      Equipment for children

**SIST EN 1888-2:2019**      **en,fr,de**

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EUROPEAN STANDARD

EN 1888-2

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2018

ICS 97.190

English Version

## Child care articles - Wheeled child conveyances - Part 2: Pushchairs for children above 15 kg up to 22 kg

Articles de puériculture - Voitures d'enfant - Partie 2 :  
Poussettes pour enfants de 15 kg à 22 kg

Artikel für Säuglinge und Kleinkinder - Transportmittel  
auf Rädern für Kinder - Teil 2: Kinderwagen für  
schwerere Kinder

This European Standard was approved by CEN on 23 April 2018.

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.

CEN members are the national standards bodies of 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, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



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

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

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## European foreword

This document (EN 1888-2:2018) 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 June 2019, and conflicting national standards shall be withdrawn at the latest by June 2019.

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 has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association.

In November 2014 the European Working Group CEN TC 252/WG 3 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 1888-2 covers pushchairs designed for the carriage of children up to 22 kg and is only applicable in conjunction with EN 1888-1, which states general requirements for pushchairs and prams.

Compliance with EN 1888-1 is made mandatory to comply with EN 1888-2.

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*.

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, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

**EN 1888-2:2018 (E)****1 Scope (see Annex A)**

This European Standard specifies the additional safety requirements and test methods for pushchairs, designed for the carriage of one or more children, above 15 kg and up to 22 kg each.

This European Standard applies in conjunction with and in addition to the European standard EN 1888-1 and it cannot be used separately.

**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 1888-1:2018, *Child care articles — Wheeled child conveyances — Part 1: Pushchairs and prams*

**3 Terms and definitions**

For the purposes of this document, the terms and definitions given in EN 1888-1:2018 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>

**4 General requirements and test conditions**

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**4.1 General requirement (see Annex B)**

The vehicle shall meet the requirements of EN 1888-1.

To meet the requirements of this standard the vehicle shall be tested additionally, in accordance with the clauses listed below and in the order given in EN 1888-1 (see 4.2).

**4.2 Test conditions**

Tests shall be carried out in the order of the clauses given in EN 1888-1 and the additional tests of this standard shall be conducted together with the relevant clauses of EN 1888-1 on the same sample.

**5 Test equipment - Test mass H**

Test mass H is a rigid cylinder  $(220 \pm 5)$  mm in diameter and  $(320 \pm 5)$  mm in height, having a mass of  $(22 + 0,1/0)$  kg and with its centre of gravity in the centre of the cylinder. All edges shall have a radius of  $(5 \pm 1)$  mm. Two anchorage points shall be provided, positioned  $(160 \pm 2,5)$  mm from the base and at  $180^\circ$  to each other around the circumference (see Figure 1).

The test mass may be fitted with additional handle for carrying purposes, as long as the centre of gravity is not changed and mass remains within tolerances and the test procedure is not affected.

Dimensions in millimetres

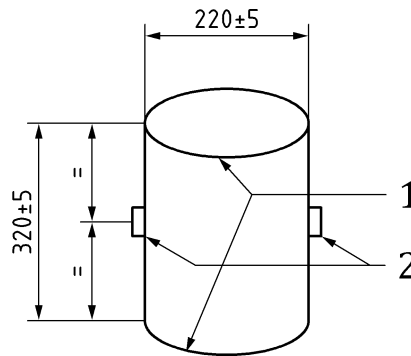


Figure 1 — Test mass H

## 6 Mechanical hazards

### 6.1 Restraint system

#### 6.1.1 Additional dimensional requirement

The restraint system shall be adjustable to a 22 kg child. The condition is met if the waist and crotch restraint can be adjusted so that the test mass H fits the restraint system when tested in accordance with 6.1.2.

#### 6.1.2 Test method

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Adjust the backrest of the vehicle in the most upright position.

Place test mass H into the seat unit centrally against the backrest in such a way that its bottom edge is in contact with the seat/back junction line.

Adjust the waist and crotch restraint and check whether the test mass H can fit the restraint system.

#### 6.1.3 Attachment of the restraint system to seat unit

Conduct the test in accordance with EN 1888-1:2018, 8.1.3.2.2, applying a 220 N force.

#### 6.1.4 Strength of fasteners

Conduct the test in accordance with EN 1888-1:2018, 8.1.3.2.3, applying a 250 N force.

## 6.2 Parking and braking devices

The vehicle shall be tested in accordance with EN 1888-1:2018, 8.8.

Repeat the test in EN 1888-1:2018, 8.8.2.2, 8.8.2.3, 8.8.2.4 and 8.8.2.5: using test mass H instead of the test mass B positioned as described in 8.8.2.1 with the requirements stated in EN 1888-1:2018, 8.8.1.

The abrasion conditioning (EN 1888-1:2018, 8.8.2.6) shall be performed using test mass H for 33 000 additional cycles.

**EN 1888-2:2018 (E)****6.3 Stability**

The vehicle shall be tested in accordance with EN 1888-1:2018, 8.9.

Repeat the test described in EN 1888-1:2018, 8.9.1.2 using test mass H instead of the test mass B with the requirements stated in EN 1888-1:2018, 8.9.1.1.

**6.4 Structural integrity****6.4.1 Strength and durability of attachment devices for seat units**

Carry out the test in accordance with EN 1888-1:2018, 8.10.2.2 using test mass H instead of test mass B with the requirements stated in EN 1888-1:2018, 8.10.2.1.

**6.4.2 Irregular surface test**

The irregular surface test (EN 1888-1:2018, 8.10.3.2) shall be performed using test mass H for 24 000 additional cycles with the requirements stated in EN 1888-1:2018, 8.10.3.1, the backrest placed in the most upright position, and in the forward facing direction if possible.

**6.4.3 Dynamic strength**

Carry out the test described in EN 1888-1:2018, 8.10.4.2 using test mass H instead of the test mass B with the requirements stated in EN 1888-1:2018, 8.10.4.1, the backrest placed in the most upright position, and in the forward facing direction if possible.

**6.4.4 Handle strength**

The handle strength test (EN 1888-1:2018, 8.10.6.2.2) shall be performed using test mass H for 3300 additional cycles with the requirements stated in EN 1888-1:2018, 8.10.6.1.

If the downwards force necessary to lift the front wheels exceeds 450 N when the test mass H is placed in the vehicle, carry out the additional 3 300 cycles by applying alternately a downwards 450 N force and an upwards force necessary to raise the rear wheels for 1 100 cycles at a frequency of  $(15 \pm 2)$  cycles/min, then continue the test by only raising the rear wheels  $(120 \pm 10)$  mm for additional 2 200 cycles at a frequency of  $(15 \pm 2)$  cycles/min.

The backrest shall be placed in the most upright position, and in the forward-facing direction if possible.

**7 Product information****7.1 Marking of product**

The vehicle shall be marked with the number and year of this European Standard.

This replaces the reference to EN 1888-1:2018 (EN 1888-1:2018, 10.2.8).

The maximum weight of each child the vehicle is intended for shall be indicated using the following pictogram:




	<p>Minimum diameter:</p> <ul style="list-style-type: none"> <li>- 25 mm</li> </ul> <p>Dimensions of rectangle: proportional to the circle as in Figure 2</p> <p>Proportions: as in Figure 2</p> <p>Minimum height of the numbers:</p> <ul style="list-style-type: none"> <li>- 4 mm</li> </ul> <p>Colours:</p> <ul style="list-style-type: none"> <li>- outside border of the circle: white</li> <li>- background inside the circle and rectangle: blue</li> <li>- child / writings / rectangle inner border: white</li> </ul>
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Figure 2 — Maximum **WEIGHT** of a child for which the product is intended

This replaces EN 1888-1:2018, 10.2.9.

## 7.2 Purchase information

The manufacturer, importer or organization responsible for the sale of the vehicle shall provide the following information to be clearly visible at the point of sale:

- Information concerning the weight and age of the child for which the vehicle is suitable (up to 22 kg or 4 years whichever comes first) (replaces EN 1888-1:2018, 10.3.1).

## 7.3 Instructions for use

The following information shall be given:

- Information concerning the weight and age of the child for which the vehicle is suitable (up to 22 kg or 4 years whichever comes first) (replaces EN 1888-1:2018, 10.4.2, 3rd indent).