

STN	Výrobky pre deti a na starostlivosť o deti Detské kočíky Časť 1: Športové a hlboké kočíky	STN EN 1888-1
		94 3008

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

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola označená vo Vestníku ÚNMS SR č. 05/19

Obsahuje: EN 1888-1:2018

Oznámením tejto normy sa od 31.12.2019 ruší
STN EN 1888 (94 3008) z októbra 2012

128354

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 1888-1

December 2018

ICS 97.190

Supersedes EN 1888:2012

English Version

**Child use and 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.

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

	Page
Contents	Page
European foreword	5
1 Scope.....	6
2 Normative references.....	6
3 Terms and definitions	6
4 General requirements and test conditions.....	9
4.1 Samples.....	9
4.2 Principle of the most onerous condition	9
4.3 Tolerances for test equipment.....	9
4.4 Test conditions	10
4.5 Determination of the protected volume	10
4.5.1 Protected volume of seat units.....	10
4.5.2 Protected volume of pram bodies having a length greater than 800 mm.....	12
4.5.3 Protected volume for pram bodies having a maximum internal length of 800 mm and car seats.....	13
4.6 Determination of the junction line	13
4.7 Determination of the occupant space.....	14
4.7.1 Determination of occupant space for seat unit and car seat.....	14
4.7.2 Determination of occupant space for pram body having a length less than 800 mm	14
4.7.3 Determination of occupant space for pram body having a length greater than 800 mm	14
5 Test equipment.....	15
5.1 Test masses	15
5.1.1 General.....	15
5.1.2 Test mass A.....	15
5.1.3 Test mass B.....	16
5.1.4 Test mass C	16
5.1.5 Test mass D.....	17
5.1.6 Test mass D_0.....	18
5.1.7 Test mass F	18
5.1.8 Test mass G	19
5.1.9 Test bar.....	20
5.2 Test probes.....	21
5.2.1 Finger probes	21
5.2.2 Hip probe	22
5.2.3 Large head probe	23
5.2.4 Conical probes.....	24
5.3 Angle measuring device.....	24
5.4 Test ball.....	26
5.5 Hinged board	26
5.6 Small parts cylinder	26
5.7 Bite tester	27
5.8 Test surface	28
5.9 Rectangular stops	28
5.10 Irregular surface test equipment.....	29

5.10.1	Obstacles.....	29
5.10.2	Articulating arms (see Annex B)	30
6	Chemical hazards (see A.2)	30
7	Thermal hazards (see A.3)	31
8	Mechanical hazards (see A.4).....	32
8.1	Protective function (see A.4.2)	32
8.1.1	Suitability of vehicle	32
8.1.2	Minimum internal height of pram body	34
8.1.3	Restraint system and fasteners	36
8.2	Entrapment hazards (see A.4.3).....	39
8.2.1	Holes and openings.....	39
8.2.2	Entrapment between the handle and the pram body.....	39
8.3	Hazards from moving parts (see A.4.4)	39
8.3.1	General	39
8.3.2	Shearing hazards (see A.4.4)	40
8.3.3	Crushing hazards, requirement (see A.4.4)	40
8.3.4	Wheels	41
8.3.5	Locking mechanism(s).....	41
8.4	Entanglement hazards (see A.5).....	44
8.4.1	Requirements.....	44
8.4.2	Test method	45
8.5	Choking and ingestion hazards (see A.6)	45
8.5.1	Requirements.....	45
8.5.2	Test methods	46
8.6	Suffocation hazards (see A.7)	47
8.6.1	Internal lining of the pram body and seat unit.....	47
8.6.2	Plastic packaging	47
8.7	Hazardous edges and protrusions (see A.8)	47
8.8	Parking and braking devices (see A.9)	48
8.8.1	Requirements.....	48
8.8.2	Test methods	48
8.9	Stability (see A.10)	52
8.9.1	Stability of vehicle	52
8.9.2	Longitudinal stability of a pram body with carrying handles	56
8.9.3	Stability hazards due to the position of swivelling wheels.....	56
8.10	Structural integrity (see A.11)	57
8.10.1	Carrying handles and handle anchorage points of pram bodies and detachable seat units.....	57
8.10.2	Strength and durability of attachment devices for pram bodies or seat units or car seats.....	57
8.10.3	Irregular surface test	58
8.10.4	Dynamic strength	59
8.10.5	Wheel strength	61
8.10.6	Handle strength.....	61
9	Durability of marking.....	65
10	Product information.....	65
10.1	General	65
10.2	Marking of product	65
10.3	Purchase information (A.12).....	66
10.4	Instructions for use.....	67

Annex A (informative) Rationales.....	69
A.1 General.....	69
A.2 Chemical hazards (see Clause 6)	69
A.3 Thermal hazards (see Clause 7)	69
A.4 Mechanical hazards (see Clause 8).....	69
A.4.1 General.....	69
A.4.2 Protective function (see 8.1).....	69
A.4.3 Entrapment hazards (see 8.2)	69
A.4.4 Hazards from moving parts (see 8.3)	70
A.5 Entanglement hazards (see 8.4)	71
A.6 Choking and ingestion hazards (see 8.5)	72
A.7 Suffocation hazards (see 8.6)	72
A.8 Hazardous edges and protrusions (see 8.7).....	72
A.9 Parking and braking devices (see 8.8).....	72
A.10 Stability (see 8.9)	72
A.11 Structural integrity (see 8.10).....	72
A.12 Purchase information (see 10.3).....	73
Annex B (informative) Examples of articulated arms to maintain the vehicle on the rig for the irregular surface test	74
Annex C (informative) Guideline for the application of 8.3.5.1.1.3 “Unintentional release of locking mechanism(s)”	76
C.1 Relevant definitions.....	76
C.2 Guidelines for the application of 8.3.5.1.1.3 “Unintentional release of locking mechanism(s)”	76
C.2.1 General.....	76
C.2.2 Products fitted with one single <i>operating device</i> (products that may be fold using only one hand)	76
C.2.3 Products fitted with two operating devices	77
C.2.4 Products having three or more <i>operating devices</i>	78
C.2.5 Products covered by different requirements	78
Annex D (informative) Examples of moving parts of the canopies inside 100 mm from the pivot point	80
D.1 Case A	80
D.2 Case B	81
D.3 Case C	82
Annex E (informative) Translation of Warnings in different European languages	83
Annex F (informative) A-deviations	109
Annex G (informative) Child restraint systems: arrangement of approval marks	110
Bibliography	111

European foreword

This document (EN 1888-1:2018) 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 December 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 supersedes EN 1888:2012.

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, 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 1888-1:2018 (E)**1 Scope**

This European Standard 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 European Standard 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 71-2:2011+A1:2014, *Safety of toys — Part 2: Flammability*

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

koniec náhľadu – text ďalej pokračuje v platenej verzii STN