



BSI Standards Publication

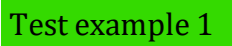


Child use and care articles - Wheeled child conveyances

Part 1: Pushchairs and prams

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This is a tracked changes copy and uses the following colour coding:

-  — indicates added text (in green)
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-  — indicates added graphic figure or table
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About tracked changes

This document is a combined PDF containing a “tracked changes” version of BS EN 1888-1, which compares BS EN 1888-1:2018 with BS EN 1888:2012.

The original version of BS EN 1888-1:2018, appended at the end of this document, should be considered the version of record for this publication.

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Amendments/corrigenda issued since publication

Date	Text affected
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Child use and care articles - Wheeled child conveyances — ~~Safety requirements and test methods~~

Part 1: Pushchairs and prams

Version comparison

This version comparison compares where new and revised clauses are located between BS EN 1888-1:2018 and BS EN 1888:2012.

BS EN 1888-1:2018 to BS EN 1888:2012

BS EN 1888-1:2018		BS EN 1888:2012	
	European foreword		Foreword
1	Scope	1	Scope
2	Normative references	2	Normative references
3	Terms and definitions	3	Terms and definitions
4	General requirements and test conditions	4	General requirements and test conditions
4.1	Samples	4.1	Samples
4.2	Principle of the most onerous condition	4.2	Principle of the most onerous condition
4.3	Tolerances for test equipment	4.3	Tolerances for test equipment
4.4	Test conditions	4.4	Test conditions
4.5	Determination of the protected volume	4.5	Determination of the protected volume
4.6	Determination of the junction line	4.6	Determination of the junction line
4.7	Determination of the occupant space		NEW
5	Test equipment	5	Test equipment
5.1	Test masses	5.1	Test masses
5.2	Test probes	5.2	Test probes
5.3	Angle measuring device	5.3	Angle measuring device
5.4	Test ball	5.4	Test ball
5.5	Hinged board	5.5	Hinged board

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5.7	Bite tester	5.7	Bite tester
5.8	Test surface	5.8	Test surface
5.9	Rectangular stops	5.9	Rectangular stops
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6	Chemical hazards (see A.2)	6	Chemical hazards (see A.2)
7	Thermal hazards (see A.3)	7	Thermal hazards (see A.3)
8	Mechanical hazards (see A.4)	8	Mechanical hazards (see A.4)
8.1	Protective function (see A.4.2)	8.1	Protective function (see A.4.2)
8.2	Entrapment hazards (see A.4.3)	8.2	Entrapment hazards (see A.4.3)
8.3	Hazards from moving parts (see A.4.4)	8.3	Hazards from moving parts (see A.4.4)
8.4	Entanglement hazards (see A.5)	8.4	Entanglement hazards (see A.5)
8.5	Choking and ingestion hazards (see A.6)	8.5	Choking and ingestion hazards (see A.6)
8.6	Suffocation hazards (see A.7)	8.6	Suffocation hazards (see A.7)
8.7	Hazardous edges and protrusions (see A.8)	8.7	Hazardous edges and protrusions (see A.8)
8.8	Parking and braking devices (see A.9)	8.8	Parking and braking devices (see A.9)
8.9	Stability (see A.10)	8.9	Stability (see A.10)
8.10	Structural integrity (see A.11)	8.10	Structural integrity (see A.11)
9	Durability of marking	9	Durability of marking
10	Product information	10	Product information
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10.4	Instructions for use	10.4	Instructions for use
Annex A (informative) Rationales		Annex A (informative) Rationales	
Annex B (informative) Examples of articulated arms to maintain the vehicle on the rig for the irregular surface test		Annex B (informative) Examples of articulated arms to maintain the vehicle on the rig for the irregular surface test	

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mechanism(s)"	mechanism(s)"
Annex D (informative) Examples of moving parts of the canopies inside 100 mm from the pivot point	NEW
Annex E (informative) Translation of Warnings in different European languages	NEW
Annex F (informative) A-deviations	Annex D (informative) A-deviation
Annex G (informative) Child restraint systems: arrangement of approval marks	NEW
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National foreword

This British Standard is the UK implementation of EN 1888:2012 EN 1888-1:2018. It supersedes BS EN 1888:2003 BS EN 1888:2012, which will be withdrawn on 30 July 2013.

~~The UK Committee has agreed a transition period between BS EN 1888:2003+A3:2005 and BS EN 1888:2012 to allow manufacturers time to modify their products. However, attention needs to be drawn to the fact that EN 1888:2003 including Amendment A2:2005 may allow single strollers with independent parking devices and swivel wheels when it is known that there is a risk associated with these types of products. The revised BS EN 1888:2012 has eliminated the associated risk.~~

The UK participation in its preparation was entrusted to Technical Committee CW/1/2, ~~Conveyances~~. Safety of child use and child care products.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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English Version

Child care articles - Wheeled child conveyances ~~-Safety requirements-~~ Part 1: Pushchairs and ~~test methods~~ prams

Articles de puériculture - Voitures ~~d'enfant-~~
~~Exigences de sécurité~~ d'enfant - Partie 1 :
Poussettes et ~~méthodes d'essai~~ landaus

Artikel für Säuglinge und Kleinkinder -
Transportmittel auf Rädern für Kinder
~~Sicherheitstechnische Anforderungen~~ Teil 1:
Kinderwagen und
~~Prüfungen~~ Kinderwagenaufsätze

This European Standard was approved by CEN on ~~16 December 2011~~ 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.

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

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

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Foreword European foreword

This document (~~EN 1888:2012~~ EN 1888-1:2018) has been prepared by Technical Committee CEN/TC 252 "Child use and 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 ~~September 2012~~ June 2019, and conflicting national standards shall be withdrawn at the latest by ~~March 2013~~ December 2019.

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 supersedes ~~EN 1888:2003~~ EN 1888:2012.

In comparison with this ~~EN 1888:2003~~ EN 1888:2012, the significant technical changes ~~relates~~ relate to the following issues:

- ~~a) — determination of a protected volume;~~
- ~~b) — clarification of the protective function;~~
- ~~c) — angles measurements~~
- ~~d) — holes and openings;~~
- ~~e) — locking mechanisms;~~
- ~~f) — handle movement;~~
- ~~g) — introduction of a bite test;~~
- ~~h) — parking and braking devices;~~
- ~~i) — stability;~~
- ~~j) — handle strength;~~
- ~~k) — product information;~~
- ~~l) — introduction of rationales in Annex A.~~

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:

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— 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 ~~organizations~~ **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.

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1 Scope

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

This European Standard does not cover toys, ~~shopping trolleys~~; baby carriers fitted with wheels; ~~wheeled-child conveyances~~ **pushchairs and prams** propelled by a motor and ~~wheeled-child conveyances~~ **pushchairs and prams** designed for children with special needs.

~~Where additional products are designed to be attached to a wheeled-child conveyance, a hazard and risk analysis should be undertaken to identify any potential hazards.~~ Where a ~~wheeled-child conveyance~~ **pushchair or pram** or any part of the ~~wheeled-child conveyance~~ **pushchair or pram** has several functions or can be converted into another function it ~~shall~~ **is due to** comply with ~~the~~ relevant ~~standards.~~ **standard(s).**

2 Normative references

The following documents, ~~are referred to in whole~~ **are referred to** in ~~whole~~ **the** text in such a way that ~~some~~ **some** or ~~in part, are~~ **in part, are** ~~normatively referenced in all of their content constitutes requirements of this document and are~~ **normatively referenced in all of their content constitutes requirements of 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 71-1, *Safety of toys — Part 1: Mechanical and physical properties*

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

EN 71-3:1994, *Safety of toys — Part 3: Migration of certain elements*

~~EN 1103, *Textiles — Fabrics for apparel — Detailed procedure to determine the burning behaviour*~~

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](http://www.iso.org/obp) platform: available at <http://www.iso.org/obp>**

3.1

wheeled child conveyance

vehicle designed for the carriage of one or more children ~~consisting of a chassis to which a pram body (bodies) or car seat(s) or seat unit(s) or combination of these is (are) attached,~~ which can be manually steered while being pushed or pulled

~~Note 1 to entry: Referred to as the "vehicle" for the purpose of this standard.~~

~~3.7~~ **3.2**

pushchair

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

NOTE Referred to as the "vehicle" for the purpose of this standard.