



NSAI
Standards

Irish Standard
I.S. EN 15918:2011+A2:2017

Cycles - Cycle trailer - Safety requirements and test methods

I.S. EN 15918:2011+A2:2017

Incorporating amendments/corrigenda/National Annexes issued since publication:

The National Standards Authority of Ireland (NSAI) produces the following categories of formal documents:

I.S. xxx: Irish Standard — national specification based on the consensus of an expert panel and subject to public consultation.

S.R. xxx: Standard Recommendation — recommendation based on the consensus of an expert panel and subject to public consultation.

SWiFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

This document replaces/revises/consolidates the NSAI adoption of the document(s) indicated on the CEN/CENELEC cover/Foreword and the following National document(s):

NOTE: The date of any NSAI previous adoption may not match the date of its original CEN/CENELEC document.

This document is based on:

EN 15918:2011+A2:2017

Published:

2017-03-08

This document was published under the authority of the NSAI and comes into effect on:

2017-03-26

ICS number:

43.150

NOTE: If blank see CEN/CENELEC cover page

NSAI
1 Swift Square,
Northwood, Santry
Dublin 9

T +353 1 807 3800
F +353 1 807 3838
E standards@nsai.ie
W NSAI.ie

Sales:
T +353 1 857 6730
F +353 1 857 6729
W standards.ie

Údarás um Chaighdeáin Náisiúnta na hÉireann

National Foreword

I.S. EN 15918:2011+A2:2017 is the adopted Irish version of the European Document EN 15918:2011+A2:2017, Cycles - Cycle trailer - Safety requirements and test methods

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

For relationships with other publications refer to the NSAI web store.

Compliance with this document does not of itself confer immunity from legal obligations.

In line with international standards practice the decimal point is shown as a comma (,) throughout this document.

This page is intentionally left blank

EUROPEAN STANDARD

EN 15918:2011+A2

NORME EUROPÉENNE

EUROPÄISCHE NORM

March 2017

ICS 43.150

Supersedes EN 15918:2011+A1:2013

English Version

Cycles - Cycle trailers - Safety requirements and test methods

Cycles - Remorques pour cycles - Exigences de sécurité et méthodes d'essai

Fahrräder - Fahrradanhänger - Sicherheitstechnische Anforderungen und Prüfverfahren

This European Standard was approved by CEN on 18 June 2011 and includes Amendment 1 approved by CEN on 20 November 2012 and Amendment 2 approved by CEN on 6 February 2017.

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: Avenue Marnix 17, B-1000 Brussels

Contents	Page
European foreword.....	4
Introduction	5
1 Scope.....	6
2 Normative references.....	6
3 Terms and definitions	6
4 General test requirements.....	7
4.1 Classification of cycle trailers.....	7
4.2 Sampling.....	8
4.3 Order of tests	8
4.4 Tolerances	8
4.5 Test bodies.....	9
4.6 Access zone for type C cycle trailers.....	9
5 Materials.....	9
5.1 Chemical properties for type C cycle trailers (Migration of certain elements).....	9
5.2 Flammability for type C cycle trailers.....	9
6 Construction.....	10
6.1 General.....	10
6.2 Drawbar load and height.....	10
6.3 Deflection device.....	10
6.4 Hazardous edges and protrusions	11
6.4.1 Requirements	11
6.4.2 Test methods	11
6.5 Shear and compression points for type C cycle trailers.....	11
6.6 Indirect contact with the wheels for type C cycle trailers.....	11
6.6.1 Requirements	11
6.6.2 Test methods	11
6.7 Front protection for type C cycle trailers	12
6.7.1 Requirements	12
6.7.2 Test methods	12
6.8 Entrapment for type C cycle trailers	12
6.8.1 Requirements	12
6.8.2 Test methods	12
6.9 Small parts for type C cycle trailers.....	13
6.10 Folding mechanism	14
6.10.1 Requirements.....	14
6.10.2 Test method	14
6.11 Dimensions of the headroom for type C cycle trailers.....	14
6.11.1 Requirements.....	14
6.11.2 Test method	14
6.12 Parking brake.....	15
6.12.1 Requirements.....	15
6.12.2 Test method	16
6.13 Stability.....	16
6.13.1 Requirements.....	16

6.13.2	Stability test for type C2 cycle trailers	16
6.14	Lighting systems, reflectors and other conspicuity aids	16
6.15	Frame and chassis	17
6.15.1	Requirements.....	17
6.15.2	Test method.....	17
6.16	Drawbar and connecting device.....	19
6.16.1	Requirements.....	19
6.16.2	Test method.....	20
6.17	Secondary safety device	20
6.17.1	Requirements.....	21
6.17.2	Test method.....	21
6.18	Strength of the restraint system.....	21
6.18.1	Requirements.....	21
6.18.2	Test method	21
6.19	Rigidity of the passenger cab for type C cycle trailers only	22
6.19.1	Requirements.....	22
6.19.2	Test method.....	22
7	Test report	23
8	Manufacturer's instructions	23
9	Marking	24
9.1	Marking requirement.....	24
9.2	Durability.....	24
Annex A	(normative) Test bodies	25
Annex B	(normative) Calculation of maximum possible deceleration.....	28
Annex C	(normative) Test order.....	31
C.1	General	31
C.2	Dynamic tests.....	31
C.3	Static tests	31
Bibliography	32

EN 15918:2011+A2:2017 (E)

European foreword

This document (EN 15918:2011+A2:2017) has been prepared by Technical Committee CEN/TC 333 “Cycles”, the secretariat of which is held by UNI.

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 2017, and conflicting national standards shall be withdrawn at the latest by September 2017.

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 includes Amendment 1 approved by CEN on 20 November 2012 and Amendment 2, approved by CEN on 6 February 2017.

This document supersedes A2 EN 15918:2011+A1:2013 A2.

The start and finish of text introduced or altered by amendment is indicated in the text by tags A1 A1 and A2 A2.

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.

Introduction

This European Standard does not cover single wheel trailers due to the time necessary for test method validation, even though this type is a significant share of the market.

EN 15918:2011+A2:2017 (E)

1 Scope

This European standard specifies safety requirements and test methods for two track cycle trailers (i.e. with one or two wheels) and their connecting devices.

These cycle trailers are intended for the conveyance of cargo loads or up to two passive child passengers (i.e. not pedalling), both of whom are capable of sitting unaided and neither of whom weighs more than 22 kg.

The maximum permitted weight of such a cycle trailer, including cargo and/or passenger(s), does not exceed 60 kg.

This standard is not applicable to trailer cycles (one or two-track trailer for the transportation of one or two pedalling passengers, usually children, with device for connection behind cycle) and for type L trailers for professional use or with a single wheel (single track trailer) according to Table 1.

2 Normative references

A1 The following documents, in whole or in part, are normatively referenced in 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. **A1**

EN 71-1:2005+A9:2009, *Safety of toys — Part 1: Mechanical and physical properties*

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

EN 1888, *Child care articles - Wheeled child conveyances - Safety requirements and test methods*

A1 EN ISO/IEC 17025, *General requirements for the competence of testing and calibration laboratories (ISO/IEC 17025)* **A1**

3 Terms and definitions

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

3.1 cycle

vehicle that has at least two wheels and is propelled solely or mainly by the muscular energy of the person on that vehicle, in particular by means of pedals

3.2 cycle trailer

one or two track trailer for the conveyance of loads and/or passive passengers, who do not contribute towards propulsion of the vehicle, with device for connection behind a cycle

Note 1 to entry: Classification, see 4.1.

3.3 parking brake

device to maintain the vehicle in a stationary position

3.4 access zone

part of a type C cycle trailer that can be touched by an occupant

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

-
- [Looking for additional Standards? Visit Intertek Inform Infostore](#)
 - [Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation](#)
-