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Carrier cycles - Part 7: Cargo trailers

Táto norma obsahuje anglickú verziu európskej normy.

This standard includes the English version of the European Standard.

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Carrier cycles - Part 7: Cargo trailers

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Lastenfahreräder - Teil 7: Anhänger

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

EN 17860-7:2024 (E)

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EN 17860-7:2024 (E)**European foreword**

This document (EN 17860-7:2024) 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of an identical text or by endorsement, at the latest by June 2025, and conflicting national standards shall be withdrawn at the latest by June 2025.

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 is part of standard series consisting of the following parts:

- EN 17860-1:2024, Carrier cycles — Part 1: Terms and definitions
- EN 17860-2:2024, Carrier cycles — Part 2: Lightweight single track carrier cycles — Mechanical aspects
- EN 17860-3:2024, Carrier Cycles — Part 3: Lightweight multi track carrier cycles — Mechanical aspects
- prEN 17860-4:2024, Carrier Cycles — Part 4: Heavy weight carrier cycles — Mechanical and functional aspects
- EN 17860-5:2024, Carrier cycles — Part 5: Electrical aspects
- prEN 17860-6:2024 Carrier Cycles — Part 6: Passenger transport
- EN 17860-7:2024, Carrier cycles — Cargo trailers

Any feedback and questions on this document should be directed to the users’ national standards body. A complete listing of these bodies can be found on the CEN website.

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Introduction

This document gives requirements and test methods for mechanical and functional aspects for cargo trailers.

This document has been developed in response to demand throughout Europe. Its aim is to provide a standard for the assessment of mechanical aspects for cargo trailers of a type which are excluded from type approval by Regulation (EU) No. 168/2013.

Because of the diversity of geometries and solutions of trailers not all requirements and test methods in this document may apply to every trailer.

EN 17860-7:2024 (E)

1 Scope

This document specifies safety requirements and test methods for single and multi-axle cargo trailers and their connecting devices.

This document applies to cargo trailers with a maximum gross vehicle weight of 600 kg.

This document is not applicable to trailers for the transportation of passengers, usually children, and for types of trailers that use a fifth wheel for connecting to the front cycles (semi-trailer) as listed in Table 1 in this document.

Table 1 — Types of cycle trailers

Type of trailer	Applicability of this document
Multi track single axle	Applicable
Multi track multi axle	Applicable
Single track with single axle or multi axle	Not applicable
Fifth wheel trailer (semi-trailer) with single axle or multi axle	Not applicable
Usage	
Cargo	Applicable
People/children/pet	Not applicable

NOTE 1 Requirements and test methods for electrical assistance for electrically assisted cargo trailers are covered by EN 17860-5:2024.

NOTE 2 For cargo trailers having a maximum gross weight of up to 60 kg, see EN 15918:2011 + A2 Cycles – Cycle trailers.

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 15918:2011+A2:2017, *Cycles — Cycle trailers — Safety requirements and test methods*

EN 17860-1:2024, *Carrier cycles — Part 1: Terms and definitions*

EN 17860-2:2024, *Carrier cycles — Part 2: Lightweight single track carrier cycles — Mechanical aspects*

EN 17860-3:2024, *Carrier cycles — Part 3: Lightweight multi track carrier cycles — Mechanical aspects*

FprEN 17860-5:2024, *Cycles — Carrier cycles — Part 5: Electrical aspects*

EN ISO 4210-2:2023, *Cycles — Safety requirements for bicycles — Part 2: Requirements for city and trekking, young adult, mountain and racing bicycles (ISO 4210-2:2023)*

EN ISO 4210-3:2023, *Cycles — Safety requirements for bicycles — Part 3: Common test methods (ISO 4210-3:2023)*

EN ISO 4210-4:2023, *Cycles — Safety requirements for bicycles — Part 4: Braking test methods (ISO 4210-4:2023)*

EN ISO 4210-6:2023, *Cycles — Safety requirements for bicycles — Part 6: Frame and fork test methods (ISO 4210-6:2023)*

EN ISO 4210-8:2023, *Cycles — Safety requirements for bicycles — Part 8: Pedal and drive system test methods (ISO 4210-8:2023)*

ISO 6742-3:2023, *Cycles — Lighting and retro reflective devices — Part 3: Installation and use of lighting and retro reflective devices*

ISO 14878:2015, *Cycles — Audible warning devices — Technical specification and test methods*

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