

SLOVENSKI STANDARD oSIST prEN ISO 8098:2013

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Kolesa - Varnostne zahteve za kolesa za mlajše otroke (ISO/DIS 8098:2012)

Cycles - Safety requirements for bicycles for young children (ISO/DIS 8098:2012)

Fahrräder - Sicherheitstechnische Anforderungen an Kinderfahrräder (ISO/DIS 8098:2012)

Cycles - Exigences de sécurité relatives aux bicyclettes pour jeunes enfants (ISO/DIS 8098:2012)

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97.190 Otroška oprema Equipment for children

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EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM

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English Version

Cycles - Safety requirements for bicycles for young children (ISO/DIS 8098:2012)

Cycles - Exigences de sécurité relatives aux bicyclettes pour jeunes enfants (ISO/DIS 8098:2012)

Fahrräder - Sicherheitstechnische Anforderungen an Kinderfahrräder (ISO/DIS 8098:2012)

This draft European Standard is submitted to CEN members for parallel enquiry. It has been drawn up by the Technical Committee CEN/TC 333

If this draft becomes a European Standard, 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.

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prEN ISO 8098:2012 (E)

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prEN ISO 8098:2012 (E)

Foreword

This document (prEN ISO 8098:2012) has been prepared by Technical Committee ISO/TC 149 "Cycles" in collaboration with Technical Committee CEN/TC 333 "Cereal and cereal products" the secretariat of which is held by AFNOR.

This document is currently submitted to the parallel Enquiry.

This document will supersede EN 14765:2005+A1:2008.

Endorsement notice

The text of ISO/DIS 8098:2012 has been approved by CEN as a prEN ISO 8098:2012 without any modification.

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DRAFT INTERNATIONAL STANDARD ISO/DIS 8098

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Cycles — Safety requirements for bicycles for young children

Cycles — Exigences de sécurité relatives aux bicyclettes pour jeunes enfants

[Revision of second edition (ISO 8098:2002)]

ICS 43.150; 97.190

ISO/CEN PARALLEL PROCESSING

This draft has been developed within the International Organization for Standardization (ISO), and processed under the **ISO-lead** mode of collaboration as defined in the Vienna Agreement.

This draft is hereby submitted to the ISO member bodies and to the CEN member bodies for a parallel five-month enquiry.

Should this draft be accepted, a final draft, established on the basis of comments received, will be submitted to a parallel two-month approval vote in ISO and formal vote in CEN.

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 8098 was prepared by Technical Committee ISO/TC 149, *Cycles*, Subcommittee SC 1, *Cycles and major sub-assemblies*.

This third edition cancels and replaces the second edition (ISO 8098:2002), of which has been technically revised.

Document Preview

SIST EN ISO 8098:2014

Introduction

Safety requirements for bicycles intended to be ridden on public roads by adults and children aged about eight years and older (i.e. bicycles having saddle heights of 635 mm and above) are given in ISO 4210.

While ISO 8098 follows the lines of ISO 4210, it covers requirements for bicycles suitable for young children aged from about four to eight years. These bicycles are not intended to be ridden on public roads and should not be presumed to be suitably equipped for that purpose.

For safety requirements for toy bicycles intended for very young children see EN 71-1.

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Cycles — Safety requirements for bicycles for young children

1 Scope

This International Standard specifies safety and performance requirements and test methods for the design, assembly and testing of fully assembled bicycles and sub-assemblies for young children. It also provides guidelines for instructions on the use and care of the bicycles.

This International Standard is applicable to bicycles with a maximum saddle height of more than 435 mm and less than 635 mm, propelled by a transmitted drive to the rear wheel.

It is not applicable to special bicycles intended for stunting (e.g. BMX bicycles).

2 Normative references

The following referenced documents are indispensable for the application 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.

ISO 1101, Geometrical Product Specifications (GPS) — Geometrical tolerancing — Tolerances of form, orientation, location and run-out

ISO 5775-1, Bicycle tyres and rims — Part 1: Tyre designations and dimensions

ISO 5775-2, Bicycle tyres and rims — Part 2: Rims

ISO 8124-3, Safety of toys — Part 3: Migration of certain elements

ISO 11243, Cycles — Luggage carriers for bicycles – Concepts, classification and testing

3 Terms and definitions

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

3.1

bicycle

two-wheeled cycle

3.2

brake-lever

a lever which operate the brake device

3.3

braking force

tangential rearward force between the tyre and the ground or the tyre and the drum or belt of the test machine

3.4

crank assembly

for fatigue testing it consists of the two cranks, the pedal-spindles or adaptors, the bottom-bracket spindle, and the first component of the drive system, e.g. the chain-wheel cluster

3.5

cycle

any 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

3.6

exposed protrusion

protrusion which through its location and rigidity could present a hazard to the rider either through heavy contact with it in normal use or should the rider fall onto it in an accident

3.7

highest gear

the gear ratio which gives the greatest distance travelled for one rotation of the cranks

3.8

lowest gear

the gear ratio which gives the shortest distance travelled for one rotation of the cranks

3.9

maximum inflation pressure

maximum tyre pressure recommended by the tyre manufacturer for a safe and efficient performance

3.10

maximum saddle height

vertical distance from the ground to the top of the saddle surface, measured with the saddle in a horizontal position with the seat-post set to the minimum insertion depth

3.11

pedal tread surface

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surface of a pedal that is presented to the underside of the foot 3-440d-8d to 8a96017a0645/sistem so 8098-2014

3.12

quick-release devices

a lever actuated mechanism that connects, retains, or secures a wheel or any other component

3.13

stabilizers

removable auxiliary wheels fitted to enable the rider to balance

3.14

toe-clip

device attached to the pedal to grip the toe end of the rider's shoe but permitting withdrawal of the shoe

3.15

toe-strap

device to securely locate a rider's shoe on a pedal

3.16

visible crack

crack which results from a test where that crack is visible to the naked eye