

Cycles - Safety requirements for bicycles for young children (ISO 8098:2014)

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NATIONAL FOREWORD

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English Version

Cycles - Safety requirements for bicycles for young children (ISO 8098:2014)

Cycles - Exigences de sécurité relatives aux bicyclettes pour jeunes enfants (ISO 8098:2014)

Fahrräder - Sicherheitstechnische Anforderungen an Kinderfahrräder (ISO 8098:2014)

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Foreword

This document (EN ISO 8098:2014) has been prepared by Technical Committee ISO/TC 149 "Cycles" in collaboration with 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of an identical text or by endorsement, at the latest by December 2014, and conflicting national standards shall be withdrawn at the latest by June 2015.

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.

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This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directives.

Endorsement notice

The text of ISO 8098:2014 has been approved by CEN as EN ISO 8098:2014 without any modification.

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Introduction

This International Standard has been developed in response to demand throughout the world, and the aim has been to ensure that bicycles manufactured in compliance with it will be as safe as is practically possible. The tests have been designed to ensure the strength and durability of individual parts as well as of the bicycle as a whole, demanding high quality throughout and consideration of safety aspects from the design stage onwards.

The scope has been limited to safety considerations, and has specifically avoided standardization of components.

If the bicycle is to be used on public roads, national regulations apply.

For safety requirements for toy bicycles intended for very young children see national regulations and standards.

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 performing stunts (e.g. BMX bicycles).

2 Normative references

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.

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 6742-2, *Cycles — Lighting and retro-reflective devices — Part 2: Retro-reflective devices*

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

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

<fatigue testing> drive and non-drive crank arms, pedal-spindles or adaptors, bottom-bracket spindle, and the first component of the drive system, e.g. the chain-wheel cluster