

**Rattad. Jalgrataste ohutusnõuded. Osa 1: Terminid ja määratlused**

**Cycles - Safety requirements for bicycles - Part 1: Terms and definitions (ISO 4210-1:2014)**

## EESTI STANDARDI EESSÕNA

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See Eesti standard EVS-EN ISO 4210-1:2014 sisaldab Euroopa standardi EN ISO 4210-1:2014 inglisekeelset teksti.	This Estonian standard EVS-EN ISO 4210-1:2014 consists of the English text of the European standard EN ISO 4210-1:2014.
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English Version

**Cycles - Safety requirements for bicycles - Part 1: Terms and  
definitions (ISO 4210-1:2014)**

Cycles - Exigences de sécurité des bicyclettes - Partie 1:  
Termes et définitions (ISO 4210-1:2014)

Fahrräder - Sicherheitstechnische Anforderungen an  
Fahrräder - Teil 1: Begriffe (ISO 4210-1:2014)

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## Foreword

This document (EN ISO 4210-1:2014) 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of an identical text or by endorsement, at the latest by January 2015, and conflicting national standards shall be withdrawn at the latest by July 2015.

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### Endorsement notice

The text of ISO 4210-1:2014 has been approved by CEN as EN ISO 4210-1:2014 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 this International Standard 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.

# Cycles — Safety requirements for bicycles —

## Part 1: Terms and definitions

### 1 Scope

This part of ISO 4210 specifies terms and definitions related to safety and performance requirements for the design, assembly, and testing of bicycles and sub-assemblies having saddle height as given in [Table 1](#).

This part of ISO 4210 does not apply to specialized types of bicycle such as delivery bicycles, recumbent bicycles, tandems, BMX bicycles, and bicycles designed and equipped for use in severe applications such as sanctioned competition events, stunting, or aerobatic manoeuvres.

**NOTE** For bicycles with a maximum saddle height of 435 mm or less, see ISO 8124-1, and with a maximum saddle height of more than 435 mm and less than 635 mm, see ISO 8098.

**Table 1 — Maximum saddle height**

Dimensions in millimetres

Bicycle type	City and trekking bicycles	Young adult bicycles	Mountain bicycles	Racing bicycles
Maximum saddle height	635 or more	635 or more and less than 750	635 or more	635 or more

### 2 Terms and definitions

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

#### 2.1

##### **aerodynamic extension**

extension (or extensions) secured to the handlebar or stem, to improve the rider's aerodynamic posture

#### 2.2

##### **band brake**

brake in which a circumferential band is wrapped around the exterior of a cylindrical drum which is attached to or incorporated in the wheel-hub

#### 2.3

##### **bar end**

extension secured to the end of a handlebar to provide an additional hand grip and usually with its axis perpendicular to the axis of the end of the handlebar

#### 2.4

##### **bicycle**

two-wheeled vehicle that is propelled solely or mainly by the muscular energy of the person on that vehicle, in particular by means of pedals