

Racing bicycles - Safety requirements and test methods

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methods

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 14781:2006 sisaldab Euroopa standardi EN 14781:2005 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 25.01.2006 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 14781:2006 consists of the English text of the European standard EN 14781:2005.</p> <p>This document is endorsed on 25.01.2006 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala:</p> <p>This European Standard specifies safety and performance requirements for the design, assembly and testing of racing bicycles and sub-assemblies, and lays down guidelines for manufacture's instructions on the use and care of such bicycles.</p>	<p>Scope:</p> <p>This European Standard specifies safety and performance requirements for the design, assembly and testing of racing bicycles and sub-assemblies, and lays down guidelines for manufacture's instructions on the use and care of such bicycles.</p>
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English Version

Racing bicycles - Safety requirements and test methods

Bicyclettes de course - Exigences de sécurité et méthodes
d'essai

Rennräder - Sicherheitstechnische Anforderungen und
Prüfverfahren

This European Standard was approved by CEN on 7 October 2005.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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Foreword

This European Standard (EN 14781:2005) 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of an identical text or by endorsement, at the latest by May 2006, and conflicting national standards shall be withdrawn at the latest by November 2006.

This European Standard is completely new and is one of a series being produced to cover all types of bicycle:

EN 14764	<i>City and trekking bicycles — Safety requirements and test methods</i>
TC 333 WI 00333002	<i>Cycles - Vocabulary — Terminology (ISO 8090: 1990 Modified)</i>
EN 14765	<i>Bicycles for young children — Safety requirements and test methods</i>
EN 14781	<i>Racing bicycles — Safety requirements and test methods</i>
prEN 15194	<i>Cycles — Electrically power assisted cycles — EPAC bicycle</i>

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

Introduction

This European Standard has been developed in response to demand throughout Europe, 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 standardisation of components.

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

1 Scope

This European Standard specifies safety and performance requirements for the design, assembly and testing of racing bicycles and sub-assemblies, and lays down guidelines for manufacture's instructions on the use and care of such bicycles.

This European Standard applies to racing bicycles intended for high-speed amateur use on public roads, and on which the saddle can be adjusted to provide a maximum saddle height of 635 mm or more.

This European Standard does not apply to mountain bicycles and to specialised types of racing bicycle such as tandems or bicycles designed and equipped for use in sanctioned competitive events.

NOTE For bicycles with a saddle height of ≤ 435 mm see EN 71 and with a maximum saddle height of more than 435 mm and less than 635 mm see EN 14765.

2 Normative references

The following referenced documents are indispensable for the application of this European Standard. 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 7636, *Bells for bicycles and mopeds — Technical specifications*

ISO 9633, *Cycle chains — Characteristics and test methods*

3 Terms and definitions

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

3.1

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

3.2

bicycle

two-wheeled cycle

3.3

tandem

bicycle with saddles for two or more riders, one behind the other

3.4

fully-assembled bicycle

bicycle fitted with all components necessary for its intended use