



SLOVENSKI STANDARD
oSIST prEN 17406:2019

01-september-2019

Razvrstitev koles glede na namen uporabe

Classification for bicycles usage

Gebrauchsklassifizierung von Fahrrädern

Classification pour l'utilisation des bicyclettes

Ta slovenski standard je istoveten z: prEN 17406

<https://standards.iteh.ai/catalog/standards/sist/682932e0-80d7-4159-bf1c-47eb19e9870c/sist-en-17406-2020>

ICS:

43.150 Kolesa Cycles

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English Version

Classification for bicycles usage

Gebrauchsklassifizierung von Fahrrädern

This draft European Standard is submitted to CEN members for 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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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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European foreword

This document (prEN 17406:2019) has been prepared by Technical Committee CEN/TC 333 “Cycles”, the secretariat of which is held by UNI.

This document is currently submitted to the CEN Enquiry.

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prEN 17406:2019 (E)**1 Scope**

This classification covers bicycle usage conditions and a method of identifying bicycles and components for use within that system.

This classification provides a uniform set of usage definitions within the bicycle industry. Included within this classification is a set of graphical indicators to provide retailers and consumers with an indication of the intended use of a particular bicycle or aftermarket components.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <http://www.iso.org/obp>

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4 Basis of classification – Conditions and type of bicycles

The conditions of use and the type of bicycles are shown in Table 1.

Table 1 — Conditions and type of bicycles

Conditions	1	2	3	4	5	6
Description	Bicycles and Epacs used on a regular paved surface where the tires are intended to maintain ground contact at average speed	Bicycles and Epacs that includes Condition 1 as well as unpaved and gravel roads and trails with moderate grades. In this set of conditions, contact with irregular terrain and loss of tire contact with the ground may occur. Drops are intended to be limited to 15 cm or less	Bicycles and Epacs that includes Condition 1 and Condition 2 as well as rough trails, rough unpaved roads, and rough terrain and unimproved trails that require technical skills. Jumps and drops are intended to be less than 60 cm	Bicycles and Epacs that includes Conditions 1, 2, and 3, or downhill grades on rough trails at speeds less than 40 km/h, or both. Jumps are intended to be less than 120 cm	Bicycles and Epacs that includes Conditions 1, 2, 3, and 4; extreme jumping; or downhill grades on rough trails at speeds in excess of 40 km/h; or a combination thereof	Bicycles and Epacs that includes Condition 1, to be used in competition or otherwise at high speed in excess of 50 km/h such as descent and sprinting
Intended average speed range Km/h	15 to 25	15 to 25	Not relevant	Not relevant	Not relevant	30 to 55
Intended Drop/jump height cm	< 15	< 15	< 60	< 120	> 120	< 15
Intended riding purpose	Commuting and leisure with moderate effort	Leisure and trekking with moderate effort	Sportive and competitive with moderate	Sportive and competitive with highly challenging	Extreme sports	Sportive and competitive with intensive effort

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			challenging technical trail features	technical trail features		
Type of bicycle (examples)	City and urban bikes	Trekking bike, travel bike	Cross country and marathon	All mountain, trail	Downhill, dirt jump, freeride	Road racing, time trial, triathlon

NOTE At the time of publication some but not all of these types of bicycle are covered by the EN ISO 4210 series. It remains the responsibility of the manufacturer to decide which testing requirements are appropriate for any particular model.

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5 Labelling

Bicycle frames shall bear a permanent representation of the graphical indicator that describes the appropriate use condition. This representation is a label showing one of the following pictograms.

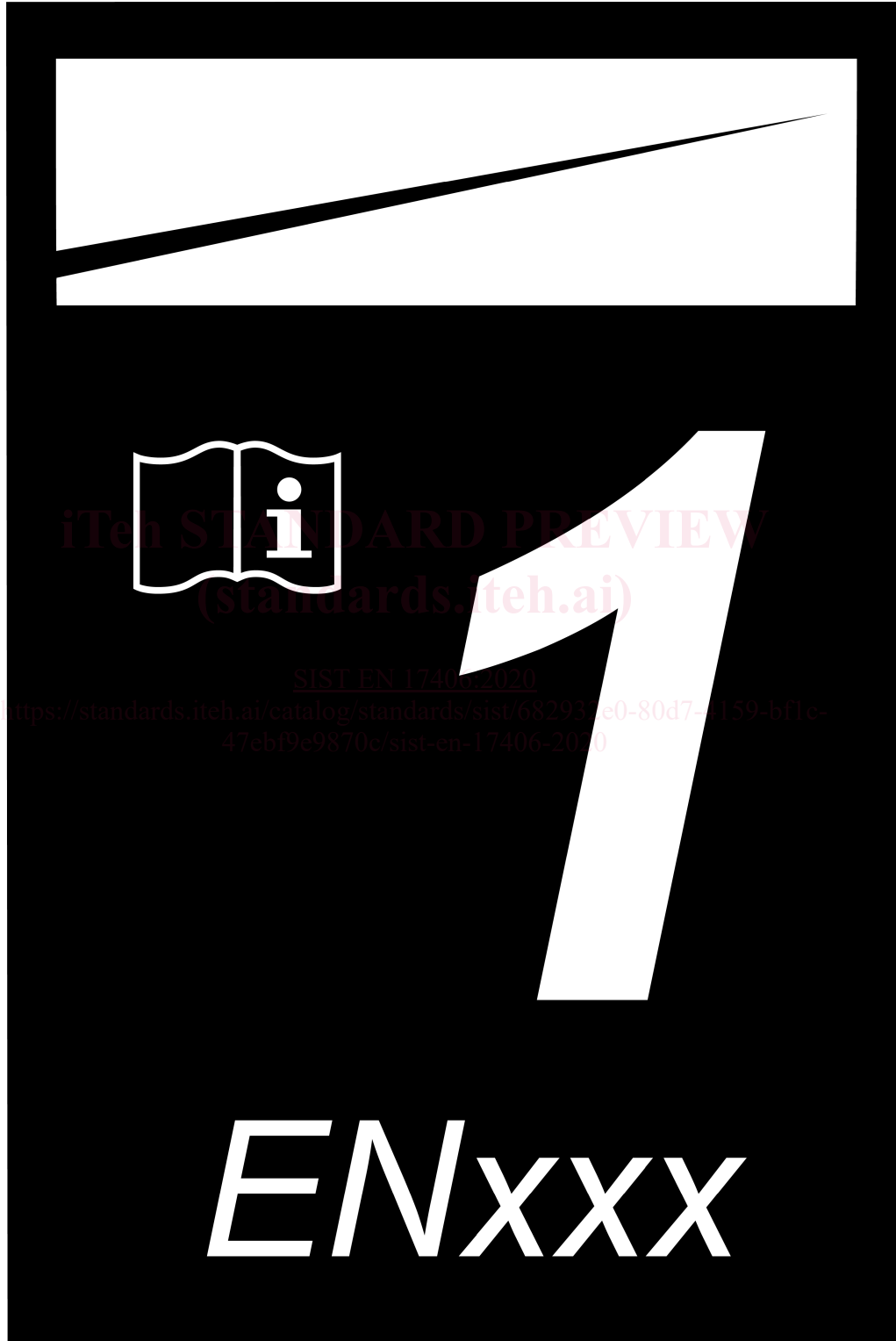


Figure 1 — Label to describe condition 1



Figure 2 — Label to describe condition 2