

STN	Bicykle Bezpečnostné požiadavky na bicykle Časť 8: Metódy skúšania pedálov a hnacej sústavy (ISO 4210-8: 2023)	STN EN ISO 4210-8 30 9042
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Cycles - Safety requirements for bicycles - Part 8: Pedal and drive system test methods (ISO 4210-8:2023)

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 05/23

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English Version

**Cycles - Safety requirements for bicycles - Part 8: Pedal
and drive system test methods (ISO 4210-8:2023)**

Cycles - Exigences de sécurité pour les bicyclettes -
Partie 8: Méthodes d'essai des pédales et du système
de transmission (ISO 4210-8:2023)

Fahrräder - Sicherheitstechnische Anforderungen an
Fahrräder - Teil 8: Prüfverfahren für Pedale und
Antriebssystem (ISO 4210-8:2023)

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN ISO 4210-8:2023 (E)

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European foreword

This document (EN ISO 4210-8:2023) 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of an identical text or by endorsement, at the latest by July 2023, and conflicting national standards shall be withdrawn at the latest by July 2024.

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

This document supersedes EN ISO 4210-8:2014.

Any feedback and questions on this document should be directed to the users' national standards body/national committee. A complete listing of these bodies can be found on the CEN website.

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Endorsement notice

The text of ISO 4210-8:2023 has been approved by CEN as EN ISO 4210-8:2023 without any modification.

INTERNATIONAL STANDARD

ISO 4210-8

Second edition
2023-01

Cycles — Safety requirements for bicycles —

Part 8: Pedal and drive system test methods

Cycles — Exigences de sécurité pour les bicyclettes —

Partie 8: Méthodes d'essai des pédales et du système de transmission



Reference number
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ISO 4210-8:2023(E)

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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 149, *Cycles*, Subcommittee SC 1, *Cycles and major sub-assemblies*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 333, *Cycles*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 4210-8:2014), which has been technically revised.

The main changes are as follows:

- improvement of [4.1](#);
- improvement of [4.2](#);
- improvement of [4.5](#);
- improvement of [4.6.2](#).

A list of all parts in the ISO 4210 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

This document has been developed in response to demand throughout the world, and the aim has been to ensure that bicycles manufactured in conformity with this document 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 should be used on public roads, national regulations apply.

Cycles — Safety requirements for bicycles —

Part 8: Pedal and drive system test methods

1 Scope

This document specifies pedal and drive system test methods for ISO 4210-2.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 4210-1, *Cycles — Safety requirements for bicycles — Part 1: Vocabulary*

ISO 4210-3:2023, *Cycles — Safety requirements for bicycles — Part 3: Common test methods*

IEC 60529:2001, *Degrees of protection provided by enclosures (IP Code)*

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