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**Bicycle tyres and rims —**  
**Part 2:**  
**Rims**

*Pneumatiques et jantes pour cycles —*  
*Partie 2: Jantes*





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## 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](http://www.iso.org/directives)).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see [www.iso.org/patents](http://www.iso.org/patents)).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

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](http://www.iso.org/iso/foreword.html).

This document was prepared by Technical Committee ISO/TC 31, *Tyres, rims and valves*, Subcommittee SC 10, *Cycle, moped, motorcycle tyres and rims*.

This fourth edition cancels and replaces the third edition (ISO 5775-2:2015), which has been technically revised.

The main changes compared to the previous edition are as follows:

- the normative references clause has been added ([Clause 2](#));
- new definitions have been added for clarification in [Clause 3](#);
- new requirements have been added for clarification in [Clause 4](#);
- the symbols and abbreviated terms have been revised in [Clause 5](#);
- a new clause on tubeless straight-side type rims, with or without humps has been added ([Clause 7](#));
- a new clause on tubeless crotchet type rims, with or without humps has been added ([Clause 10](#));
- [Annex A](#) has been simplified to remove redundancies and add a precision for rim measurements with new tools.

A list of all parts in the ISO 5775 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](http://www.iso.org/members.html).

# Bicycle tyres and rims —

## Part 2: Rims

### 1 Scope

This document specifies tyre fitting relevant geometrical dimensions and designations for straight-side (SS, TSS) type, hooked bead (HB) type and crotchet (C, TC) type bicycle rims.

ISO 5775-1 specifies designations and dimensions for bicycle tyres.

### 2 Normative references

There are no normative references in this document.

### 3 Terms and definitions

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

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

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

#### 3.1

##### **rim base**

tyre side portion of the rim profile which comes into contact with tyre beads during mounting, inflation and use

#### 3.2

##### **weather side of the rim**

portion of the rim profile exposed to ambient weather conditions

#### 3.3

##### **tyre side of the rim**

portion of the rim profile used for tyre mounting and retention

### 4 Symbols and abbreviated terms

The following symbols are used in this document:

<i>A</i>	Rim width
<i>D</i>	Specified rim diameter
<i>D</i> <sub>1</sub>	Measured rim diameter, corresponding to the tyre bead seat diameter
<i>D</i> <sub>2</sub>	External diameter
<i>D</i> <sub>m</sub>	Measuring mandrel diameter