
Bicycle tyres and rims —

Part 1:

Tyre designations and dimensions

Pneumatiques et jantes pour cycles —

Partie 1: Désignation et cotes des pneumatiques



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ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

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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 document 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 31, *Tyres, rims and valves*, Subcommittee SC 10, *Cycle, moped, motorcycle tyres and rims*.

This seventh edition cancels and replaces the sixth edition (ISO 5775-1:2014), which has been technically revised.

The main changes are as follows:

- new definitions have been added for clarification in [Clause 3](#);
- the symbols and abbreviated terms have been revised in [3.2](#);
- new requirements have been added for clarification in [Clause 4](#).

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.

Bicycle tyres and rims —

Part 1: Tyre designations and dimensions

1 Scope

This document specifies the designations and dimensions for the following pneumatic bicycle tyres:

- clincher tyres mounted on straight side or crotchet type rims;
- tubeless tyres;
- tubeless-ready tyres;
- tube-type tyres;
- “beaded edge” tyres mounted on hooked bead rims.

This document does not apply to tubular sew-up tyres and non-pneumatic tyres.

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 4223-1, *Definitions of some terms used in the tyre industry — Part 1: Pneumatic tyres*

ISO 5775-2:2021, *Bicycle tyres and rims — Part 2: Rims*

3 Terms, definitions, symbols and abbreviated terms

3.1 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 4223-1, ISO 5775-2 and the following apply.

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

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

3.1.1

clincher tyre

tyre that has beads that lock onto the rim bead seat and/or rim hook when the tyre is inflated

3.1.1.1

tubeless tyre

TL

clincher tyre (3.1.1) that is functional without an inner tube or sealant to maintain inflation pressure