



BSI Standards Publication

Bicycle tyres and rims

Part 2: Rims

National foreword

This British Standard is the UK implementation of ISO 5775-2:2015. It supersedes BS 6102-6:1997, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee GME/25, Cycles.

A list of organizations represented on this committee can be obtained on request to its secretary.

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Bicycle tyres and rims —

Part 2: Rims

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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).

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: [Foreword - Supplementary information](#)

The committee responsible for this document is ISO/TC 31, *Tyres, rims and valves*, Subcommittee SC 10, *Cycle, moped, motorcycle tyres and rims*.

This third edition cancels and replaces the second edition (ISO 5775-2:1996), which has been technically revised.

It also incorporates the Amendment, ISO 5775-2:1996/Amd 1:2001.

ISO 5775 consists of the following parts, under the general title *Bicycle tyres and rims*:

- *Part 1: Tyre designations and dimensions*
- *Part 2: Rims*

[Annex A](#) of this part of ISO 5775 is for information only.

This corrected version of ISO 5775-2:2015 incorporates the following corrections plus other minor editorial modifications.

Figures 3 and A.3 have been corrected. Dimension G has been adjusted to the solid line D1.

Bicycle tyres and rims —

Part 2: Rims

1 Scope

This part of ISO 5775 specifies rim dimensions for bicycle tyres: it gives only those rim contour dimensions necessary for tyre mounting and to fit the tyre on the rim.

ISO 5775-1 covers designations and dimensions for tyres.

ISO 5775-2 covers straight side (SS) rims, hooked bead type (HB) rims and crotchet type (C) rims.

2 Symbols and abbreviated terms

The following symbols are used in this part of ISO 5775:

A	Rim width
D	Specified rim diameter
D_1	Measured rim diameter
D_2	External diameter
D_m	Measuring mandrel diameter
G	Flange height
H, H_1	Unobstructed minimum depth above rim base with rim tape fitted to permit tyre fitment
L	Theoretical tape length
L_1	Well width above rim tape
P	Bead seat width
R_1, R_2	Flange radius
R_4	Well top radius
W	Measuring tape width

3 General requirements

3.1 Rim contour

The rim shall have a smooth contour, free of sharp edges, on the side of the tyre.

3.2 Rim valve hole

The rim valve hole shall be centred on the bottom of the rim well. On the tyre side, the edges have to be rounded or chamfered. On the hub side, the edges shall be free from burrs which could damage the valve.

3.3 Specific requirements

Designation and dimensions for straight side rims, hooked bead type rims and crotchet type rims are given in [Clauses 4, 5 and 6](#) respectively.

Width and thickness of rim base protection shall be chosen in such a way as to guarantee the complete covering of the spoke heads and spoke holes during use, as well as a stable lateral fit, and to permit satisfactory fitting of the tyre and the tube.

4 Straight side rims

4.1 Rim contour

Dimensions and tolerances of straight side (SS) rims shall be given in [Figure 1](#) and [Table 1](#)

Straight side rims are to be used only with non-foldable tyres (rigid bead tyres).

4.2 Rim diameter

The nominal rim diameter code, specified rim diameters and measuring rim diameters for straight side (SS) rims has to be given in [Figure 1](#) and [Table 2](#).

4.3 Designation and marking

A straight side (SS) rim shall be designated by its nominal rim diameter code and its nominal width code, optionally preceded by "SS" for straight side.

EXAMPLE SS 400 × 20