

Tyres and wheels —

Part 4: Rim profiles and dimensions —

Section 7: Moped rims —

Subsection 7.1 Specification for moped rims

Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Automobile Standards Policy Committee (AUE/-) to Technical Committee AUE/4, upon which the following bodies were represented:

- Agricultural Engineers' Association
- Automobile Association
- British Industrial Truck Association
- British Pressure Gauge Manufacturers' Association
- British Rubber Manufacturers' Association
- Bus and Coach Council
- Department of Transport
- Freight Transport Association
- Institute of Road Transport Engineers (Incorporated)
- Motor Cycle Industry's Association of Great Britain Ltd.
- Motor Industry Research Association
- National Tyre Distributors' Association
- Retread Manufacturers' Association
- Road Haulage Association Ltd.
- Royal Automobile Club
- Society of Motor Manufacturers and Traders Ltd.

This British Standard, having been prepared under the direction of the Automobile Standards Policy Committee, was published under the authority of the Standards Board and comes into effect on 31 January 1992

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National foreword

This Subsection of this Part of BS AU 50, prepared under the direction of the Automobile Standards Policy Committee, is identical with ISO 5995-2:1988 “*Moped tyres and rims — Part 2: Rims*”, published by the International Organization for Standardization (ISO). The corresponding tyre details are dealt with in Part 1 (Subsection 7.1). Other Parts of the standard are:

- *Part 1: Tyres;*
- *Part 2: Wheels and rims;*
- *Part 3: Valves.*

Part 4 of BS AU 50 (covering rim profiles and dimensions) has been introduced to assist cross-referencing between tyre specifications and the corresponding rim specifications. Subsections of Part 4 will partially supersede the information contained in BS AU 50-2.1b:1980 which has been amended accordingly.

Cross-references

International Standard	Corresponding British Standard
	BS AU 50 <i>Tyres and wheels</i>
	Part 1 <i>Tyres</i>
	Section 7 <i>Moped tyres</i>
ISO 5995-1:1982	Subsection 7.1:1989 <i>Specification for tyre designations, dimensions and load ratings</i> (Identical)
	Part 4 <i>Rim profiles and dimensions</i>
	Section 6 <i>Motorcycle rims</i>
ISO 6054-2:1990	Subsection 6.3:1991 <i>Specification for code designated series (diameter codes 4 to 12) rims</i> (Identical)

The Technical Committee has reviewed the provisions of ISO 3911 and ISO 4249-3, to which reference is made in the text, and has decided that they are acceptable for use in conjunction with this standard.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 10, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

1 Scope

This part of ISO 5995 specifies the dimensions of tapered bead seat rims (straight side) for moped tyres. It applies to those rim contour dimensions necessary for tyre mounting and fitting of the tyre to the rim, terms for which are used in accordance with ISO 3911.

Annex A provides details on permitted rim width codes for tyres used on mopeds and small cubic capacity motorcycles designed for a maximum speed of 100 km/h. Annex B presents methods for measuring and gauging dimensions of tapered bead seat rims for mopeds.

NOTE Tyre designation, dimensions and load ratings are given in ISO 5995-1.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this part of ISO 5995. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this part of ISO 5995 are encouraged to investigate the possibility of applying the most recent editions of the standards listed below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 3911:1977, *Wheels/rims — Nomenclature, designation, marking and units of measurement*.

ISO 4249-3:1986, *Motorcycle tyres and rims (Code-designated series) — Part 3: Rims*.

ISO 5995-1:1982, *Moped tyres and rims — Part 1: Tyres*.

ISO 6054-2:1986, *Motorcycle tyres and rims (diameter codes 4 to 12) — Scooter type — Part 2: Rims*.

3 General

3.1 Rim contour

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

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 shall be rounded or chamfered, while on the hub side, the edges shall be free of burrs which could damage the valve.

3.3 Definition of H_1 and L_1

H_1 represents the unobstructed depth above the rim base, with the rim tape fitted to permit fitting of the tyre.

L_1 represents the well width above the rim tape.

4 Designation and marking

The rim shall be designated by its nominal diameter code and nominal width (for example 18 × 30,5).

5 Rim contours

Dimensions and tolerances of tapered bead seat rims are given in Table 1.

6 Rim diameters

Nominal rim diameter codes, specified rim diameters and measuring rim diameters are given in Table 2.

7 Permitted rim widths

The permitted rim width codes for moped tyres are given in Table 3.