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BS ISO 5751-2:2010



BSI Standards Publication

Motorcycle tyres and rims (metric series)

Part 2: Tyre dimensions and load-carrying capacities

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This British Standard is the UK implementation of ISO 5751-2:2010. It supersedes BS ISO 5751-2:2004 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee AUE/4, Tyres and wheels for motor vehicles.

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

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Motorcycle tyres and rims (metric series) —

Part 2:

Tyre dimensions and load-carrying capacities

Pneumatiques et jantes pour motocycles (séries millimétriques) —

Partie 2: Cotes et capacités de charge des pneumatiques



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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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.

ISO 5751-2 was prepared by Technical Committee ISO/TC 31, *Tyres, rims and valves*, Subcommittee SC 10, *Cycle, moped, motorcycle tyres and rims*.

This sixth edition cancels and replaces the fifth edition (ISO 5751-2:2004), which has been technically revised.

ISO 5751 consists of the following parts, under the general title *Motorcycle tyres and rims (metric series)*:

- *Part 1: Design guides*
- *Part 2: Tyre dimensions and load-carrying capacities*
- *Part 3: Range of approved rim contours*

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Motorcycle tyres and rims (metric series) —

Part 2: Tyre dimensions and load-carrying capacities

1 Scope

This part of ISO 5751 specifies the tyre size designation, dimensions and load-carrying capacities of metric series motorcycle tyres. It is applicable to such tyres with a height-to-width ratio of 100 % and below.

NOTE See ISO 4249 for motorcycle tyres and rims (code-designated series) of rim diameter codes 13 and above, and ISO 6054 for those of codes 12 and below.

2 Normative references

The following referenced documents are indispensable for the application 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 5751-1, *Motorcycle tyres and rims (metric series) — Part 1: Design guides*

ISO 5751-3, *Motorcycle tyres and rims (metric series) — Part 3: Range of approved rim contours*

3 Terms and definitions

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

4 Tyre designation

4.1 General

The tyre designation shall be as specified in ISO 5751-1, completed by the addition of the service description, i.e. load index and speed symbol.

4.2 Tyre construction code

The tables in this part of ISO 5751 show, as examples, tyre size designations for tyres in diagonal construction. However, a motorcycle tyre having, for example, a

- nominal section width of 100 mm,
- nominal aspect ratio of 90,
- nominal rim diameter code of 18 M/C,