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**Tyres and rims (metric series) for  
agricultural tractors and machines —**

**Part 1:  
Tyre designation, dimensions and  
marking, and tyre/rim coordination**

*Pneumatiques et jantes (série millimétrique) pour tracteurs et machines  
agricoles —*

*Partie 1: Désignation, cotes et marquage des pneumatiques,  
coordination pneumatiques/jantes*



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Case postale 56 • CH-1211 Geneva 20  
Tel. + 41 22 749 01 11  
Fax + 41 22 749 09 47  
E-mail [copyright@iso.org](mailto:copyright@iso.org)  
Web [www.iso.org](http://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.

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 7867-1 was prepared by Technical Committee ISO/TC 31, *Tyre, rims and valves*, Subcommittee SC 5, *Agricultural tyres and rims*.

This fourth edition cancels and replaces the third edition (ISO 7867-1:1996), which has been technically revised.

ISO 7867 consists of the following parts, under the general title *Tyres and rims (metric series) for agricultural tractors and machines*:

- *Part 1: Tyre designation, dimensions and marking, and tyre/rim coordination*
- *Part 2: Service description and load ratings*

# Tyres and rims (metric series) for agricultural tractors and machines —

## Part 1:

## Tyre designation, dimensions and marking, and tyre/rim coordination

### 1 Scope

This part of ISO 7867 establishes the size designation, the dimensional calculation and the markings of the metric series of tyres primarily intended for use on agricultural tractors and machines. Tyre and rim coordination is also given.

It applies to bias-belted, diagonal and radial tyres mounted on 5° tapered rims, as specified in ISO 4251-3. Only established rim diameters and widths within the ranges in Tables 1 and 2 are recommended.

This part of ISO 7867 also applies to different concepts and types of tyres and rims; in this case, however, appropriate rim/section ratios  $K_1$  and coefficients  $K_2$ ,  $a$  and  $b$  will be established and added.

Dimensions of existing rims are specified in ISO 4251-3.

**NOTE** Tyres (ply rating marked series) and rims for agricultural tractors and machines are specified in ISO 4251-1 to ISO 4251-5. Service description (load index — speed symbol) marking of the existing series of agricultural tractor-drive-wheel tyres is given in ISO 8664.

### 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 4223-1:2002, *Definitions of some terms used in the tyre industry — Part 1: Pneumatic tyres*

ISO 4251-3:1994, *Tyres (ply rating marked series) and rims for agricultural tractors and machines — Part 3: Rims*

ISO 7867-2, *Tyres and rims (metric series) for agricultural tractors and machines — Part 2: Service description and load ratings*