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**Tyres (ply rating marked series) and  
rims for agricultural tractors and  
machines —**

**Part 1:  
Tyre designation and dimensions, and  
approved rim contours**

*Pneumatiques (série à marquage "PR") et jantes pour tracteurs et  
machines agricoles —*

*Partie 1: Désignation et cotes des pneumatiques et profils de jantes  
approuvés*



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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](http://www.iso.org/directives)).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see [www.iso.org/patents](http://www.iso.org/patents)).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

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 World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: [www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html).

This document was prepared by ISO/TC 31, *Tyres, rim and valves*, Subcommittee SC 5, *Agricultural tyres and rims*.

This seventh edition cancels and replaces the sixth edition (ISO 4251-1:2005) which has been technically revised. It also replaces ISO 4251-1:2005/Amd1:2012.

The seventh edition contains the following main changes:

- pictogram for maximum tyre bead seating pressure;
- tyre dimension parameters for vehicle speed reference;
- tables updated incorporating Amendment 1;
- Annex A updated adding tyres for small tractors;
- new Annex B with the comparison values for rolling circumference (RC), rolling circumference index (RCI), speed radius index (SRI).

# Tyres (ply rating marked series) and rims for agricultural tractors and machines —

## Part 1:

## Tyre designation and dimensions, and approved rim contours

### 1 Scope

This document establishes the designation in use and the dimensions of the ply rating marked series of tyres for agricultural tractors and machines.

Tyre load ratings are given in ISO 4251-2.

### 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 18805<sup>1)</sup>, *Tyre classification — Agricultural, forestry and construction machines*

### 3 Terms and definitions

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

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

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

### 4 Marking

The marking of the ply rating marked series of tyres consists of the designation of tyre size and load rating, and any additional information. See 4.1 to 4.4.

#### 4.1 Tyre size designation

The present size marking for the identification of tyres consists of the nominal tyre width code and the nominal rim diameter code.

##### EXAMPLE 1

Tyre 13.6 – 28

Tyre 6.50 – 16

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1) To be published.