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

**Part 2:
Tyre load ratings**

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

Partie 2: 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.

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).

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).

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

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

This seventh edition cancels and replaces the sixth edition (ISO 4251-2:2005) which has been technically revised. It also replaces ISO 4251-2:2005/Amd, 1.

The seventh edition contains the following main changes:

- a new term “hillside combine” was added to the terms and definition clause;
- the tables have been updated incorporating Amendment 1.

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

Part 2: Tyre load ratings

1 Scope

This document establishes the load ratings of the ply rating marked series of tyres for agricultural tractors and machines.

Tyre designation and dimensions, and approved rim contours are given in ISO 4251-1.

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*

3 Terms and definitions

For the purposes of this document the terms and definitions given in ISO 4223-1 and the following 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>

3.1

load inflation pressure relationship

loads as given in the tables which are maximum values and are valid for the reference inflation pressures indicated

3.2

cyclic loading application

gradual increase of payload to maximum allowable load with unloading before off-field transport

3.3

hillside combine

combine intended for service on slopes above 11° (20%) lateral slope

4 Tyre loads

4.1 Agricultural drive wheels — Tractor tyres

Basic tyre loads for tyres of diagonal construction, used as singles at a maximum speed of 30 km/h, and reference inflation pressures are given in [Table 1](#).