
Code designated diagonal tyres (ply rating marked series) for agricultural tractors, trailers and machines —

**Part 2:
Tyre load ratings**

Pneumatiques diagonaux à désignation dimensionnelle par code (séries à marquage équivalent nappes "ply rating") pour tracteurs, remorques 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).

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

For an explanation of the voluntary nature of standards, 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 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 eighth edition cancels and replaces the seventh edition (ISO 4251-2:2017) which has been technically revised. The main changes compared to the previous edition are as follows:

- information already contained in other International Standards was removed and replaced with normative references to those standards;
- radial tyres marked with ply rating and with reference speed of 10 km/h were deleted since obsolete and this document was restricted to code designated diagonal tyres (marked with PR) for agricultural tractors trailers and machines;
- the title of this document was revised accordingly;
- the document was aligned with other International Standards developed by SC 5 and with existing regulations;
- equivalence of tyre load carrying capacities in case of tyre marked with speed symbol A6 (corresponding to previous load carrying capacities of tyres marked with PR only) and that of tyres marked with speed symbol A8 was introduced, together with the possibility of a double marking (supplementary service description);
- load variations with speed and for specific applications were added;
- some additional PR versions were added with the corresponding markings of the service description.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Code designated diagonal tyres (ply rating marked series) for agricultural tractors, trailers and machines —

Part 2: Tyre load ratings

1 Scope

This document establishes the load ratings of the diagonal code designated (ply rating marked series) tyres for agricultural tractors, trailers and machines.

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

NOTE Code designated diagonal tyres (ply rating marked series) for construction applications (industrial tractors), identified by the classification code R-4, as specified in ISO 18805, or by suffix "IND" are part of ISO 13442.

Code designated diagonal tyres (ply rating marked series) for forestry machines, identified by the classification code LS, as specified in ISO 18805, are covered by ISO 18807.

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*

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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:

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

3.1

ply rating

index of tyre strength

Note 1 to entry: It does not necessarily represent the number of cord plies in the tyre.

3.2

supplementary service description

additional service description marked within a circle, to identify a special type of service (load rating and speed category) to which the tyre size is also allowed in addition to the applicable load variation with speed

Note 1 to entry: [Tables A.2](#), [A.4](#) and [A.6](#) shall not apply to the supplementary service description.

Note 2 to entry: See [Figure 1](#) for an example.