
**Metric series for agricultural, forestry
machines and construction tyres —**

**Part 2:
Load ratings for agricultural tyres**

*Pneumatiques de la série millimétrique pour machines agricoles,
engins forestiers et engins de construction —*

*Partie 2: Capacités de charge de pneumatiques pour machines
agricoles*

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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 on 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 the following URL: www.iso.org/iso/foreword.html.

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

This third edition cancels and replaces the second edition (ISO 7867-2:2005), which has been technically revised. It also incorporates the Amendment ISO 7867-2:2005/Amd 1:2010. The main changes compared to the previous edition are as follows:

- the title has been revised to reflect the content of the document, which applies only to agricultural tyres and not to forestry and construction applications, contained in other International Standards, as specified in the Scope;
- data contained in ISO 4223-1 have been removed and reference has been made to them;
- tables have been revised to reflect the latest evolution in regional regulations as well as industrial International Standards.

A list of all parts in the ISO 7867 series can be found on the ISO website.

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.

Metric series for agricultural, forestry machines and construction tyres —

Part 2: Load ratings for agricultural tyres

1 Scope

This document establishes the service description, the tyre load ratings for basic and special applications and reference inflation pressure for the metric series of tyres primarily intended for agricultural tractors, machines, equipment and their trailers.

It applies to diagonal, bias belted and radial tyres mounted on 5° and 15° tapered rims.

NOTE The service description, the tyre load ratings for basic and special applications and reference inflation pressure for the metric series of:

- tyres for logging and forestry machines are specified in ISO 18807¹⁾;
- tyres for construction/industrial tractors are specified in ISO 13442.

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 4223-1:2017, *Definitions of some terms used in the tyre industry — Part 1: Pneumatic tyres*

ISO 7867-1, *Metric series of agricultural, forestry and construction tyres — Tyre size designation, dimensions, marking and tyre/rim coordination*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 4223-1 and ISO 7867-1 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

cyclic loading application

condition that applies when the load on the tyre cycles is between the unloaded and the fully loaded condition

Note 1 to entry: The vehicle shall be unloaded before off-field transport.

1) Under preparation. (Stage at the moment of publication ISO/DIS 18807:2018.)