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Tyres and rims for logging and forestry service

Pneumatiques et jantes pour engins forestiers et de débardage du bois



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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 Technical Committee ISO/TC 31, *Tyres, rims and valves*, Subcommittee SC 5, *Agricultural tyres and rims*.

This first edition of ISO 18807 cancels and replaces ISO 4251-5:1992, which has been technically revised. It also incorporates the amendment ISO 4251-5:1992/Amd.1:1998. The main changes are:

- information already contained in other International Standards was removed and replaced with normative references to those standards;
- data for tyre sizes with metric designation were added;
- the document was aligned with other standards developed by SC 5 and with existing regulations;
- additional definitions useful for the comprehension of this document were added;
- the pictogram to identify the maximum pressure for tyre bead seating, as specified by UN/ECE Regulation 106, was introduced;
- dimensional data and the list of approved rim contours were revised.

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.

Tyres and rims for logging and forestry service

1 Scope

This document sets out the marking, the tyre size designation, the dimensions, the load ratings and the rim coordination for logging and forestry service tyres in diagonal and radial construction.

Rim dimensions are given in ISO 18804.

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 7867-1, *Metric series for agricultural, forestry machines and construction tyres — Part 1: Tyre designation, dimensions and marking, and tyre/rim coordination*

ISO 18804, *Rims for agricultural, forestry and construction machines*

ISO 18805, *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 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

tyre for logging or forestry machines

tyre for use on machines/equipment used in forestry applications, in high torque service (e.g. skidders) or low torque service (e.g. forwarders) and for short transports on roads

3.2

ply rating

PR

term used as an indication of tyre strength and not corresponding to the actual number of plies in the tyre

3.3

high and sustained torque

condition that occurs when high continuous tractive effort is applied to the drawbar or hitch

4 Marking

4.1 General

The marking shall consist of the tyre size designation, the load rating and additional markings.