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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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Contents

Page

Foreword ... **iv**

1 Scope ... **1**

2 Normative references ... **1**

3 Terms and definitions ... **1**

4 Marking ... **1**
4.1 General ... 1
4.2 Tyre size designation ... 2
4.2.1 Conventional code designated diagonal tyres ... 2
4.2.2 3-part code designated diagonal tyres ... 2
4.2.3 Metric designated tyres ... 2
4.3 Load rating ... 2
4.3.1 Conventional and 3-part code designated diagonal sizes ... 2
4.3.2 Metric sizes ... 2
4.4 Additional markings ... 3

5 Tyre dimensions ... **3**
5.1 General ... 3
5.2 Design new tyre dimensions ... 3
5.2.1 General ... 3
5.2.2 Section width ... 3
5.2.3 Overall diameter ... 4
5.3 Tyre dimensions in service ... 4

6 Tyre load capacities ... **4**
6.1 General ... 4
6.2 Conventional code designated diagonal tyres ... 4
6.2.1 General ... 4
6.2.2 Transport service and low torque operations ... 5
6.2.3 Skidder service: operations including high and sustained torque ... 5
6.2.4 Load and carry ... 5
6.3 3-part code designated diagonal tyres ... 5
6.4 Metric designated tyres ... 5
6.4.1 General ... 5
6.4.2 Transport service and low torque operations ... 5
6.4.3 Skidder service ... 5

7 Rim coordination ... **5**

8 Tubes ... **6**

9 Tyre parameters for vehicle speed reference ... **6**

Annex A (informative) **Size designation, measuring rim width code, measurements (section width and overall diameter) for design new tyre and tyre in service** ... **7**

Annex B (informative) **Basic tyre loads (BTL) and inflation pressure (IP)** ... **10**

Annex C (informative) **Approved rim contours for forestry tyres** ... **15**

Annex D (informative) **Speed radius index (SRI)** ... **17**

Bibliography ... **19**

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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).

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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.

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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.

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