
Tyres for mobile cranes and similar specialized machines

Pneumatiques pour grues mobiles et engins spéciaux similaires

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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 meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: [Foreword - Supplementary information](#).

The committee responsible for this document is ISO/TC 31, *Tyres, rims and valves*, Subcommittee SC 6, *Off-the-road tyres and rims*.

This third edition cancels and replaces the second edition (ISO 10571:2011), which has been technically revised.

Tyres for mobile cranes and similar specialized machines

1 Scope

This International Standard specifies the designation, dimensions, load ratings and reference speed for tyres and rims fitted to vehicles, such as all-terrain equipment, mobile cranes, crash tenders, etc., likely to operate on highway over long distances at reference speed and under constant load.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 4209-1:2001, *Truck and bus tyres and rims (metric series) — Part 1: Tyres*

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

ISO 4250-3, *Earth-mover tyres and rims — Part 3: Rims*

3 Terms and definitions

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

NOTE Equivalent terms are given in ISO 3877-1.

4 Tyre designation and marking

The designation of the tyre shall be shown on its sidewall and shall include the details in 4.1. Additional markings as shown in 4.2, 4.3 and 4.4 may also be included as required by regional regulations or practices.

4.1 Tyre size designation and service description

Tyres for mobile cranes in accordance with this International Standard shall be indicated as follows:

Nominal section width	Nominal aspect ratio	Tyre construction code	Nominal rim diameter code	Service description
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4.1.1 Nominal section width

The nominal section width shall be expressed in millimetres, ending in “5”. See [Annex A](#) for nominal section width steps.

4.1.2 Nominal aspect ratio

The nominal aspect ratio shall be expressed as a percentage and shall be a multiple of five.