



**International
Standard**

ISO 10571

**Tyres for mobile cranes and similar
specialized machines**

Pneumatiques pour grues mobiles et engins spéciaux similaires

**Fourth edition
2024-08**

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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 6, *Off-the-road tyres and rims*.

This fourth edition cancels and replaces the third edition (ISO 10571:2016), which has been technically revised.

The main changes are as follows:

- reference to ISO 17253 was added to the Introduction;
- definitions of road (3.1), driving on the road (3.2), off the road use (3.3), creep (3.4), and stationary (3.5) were added;
- 4.3: 'road use' was replaced by 'driving on the road';
- Table 10 and Table 12 were added; all following tables were renumbered accordingly;
- in Tables 3, 5, and 13, 325/95R24 was added;
- in Table 5, 505/95R25 183E Load Range M was added;
- Table 13 (rims) was revised; rim 15.00/3.5 was replaced by 15.00/3.0 for 575/95R25.

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.

Introduction

Tyre designations found within this document are intended for use on machinery found in ISO 17253.

Tyres for vehicles such as two axle, off-the-road cranes that only have incidental use on public roads are not included in this document.

NOTE Equivalent terms commonly used in the tyre industry are given in ISO 3877-1.

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Tyres for mobile cranes and similar specialized machines

1 Scope

This document 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, likely to operate on highway over long distances at reference speed and under constant load.

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 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 and the following apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

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

3.1

road

public traffic area for use by automotive vehicles for travel or transportation

Note 1 to entry: A public traffic area does not include the sites of temporary road works (e.g. for repairs, maintenance, alterations, improvements, installations, or any other works to, above or under a road, including works to road equipment lighting, barriers, walls) or roads not open to the public (e.g. on new housing and industrial developments), or on which public traffic is not permitted.

3.2

driving on the road

use of machines on the *road* (3.1) (e.g. driving between work sites, to and from the site of normal storage, or driving for refuelling of the machine) for purposes other than intended operation

3.3

off the road use

use on any improved or unimproved surface that is not a *road* (3.1)

3.4

creep

movement of the vehicle at a very slow speed, not over 60 m in 30 min

Note 1 to entry: During creep motion, loads are very high. Consideration must be given to the type of surface over which the vehicle is travelling on any improved or unimproved surface that is not a road.