



BSI Standards Publication

Earth-mover tyres and rims

Part 1: Tyre designation and dimensions

National foreword

This British Standard is the UK implementation of ISO 4250-1:2017. It supersedes BS ISO 4250-1:2014, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee AUE/4, Tyres and wheels for motor vehicles.

A list of organizations represented on this committee can be obtained on request to its secretary.

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Earth-mover tyres and rims —

Part 1:
Tyre designation and dimensions

Pneumatiques et jantes pour engins de terrassement —
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ISO copyright office
Ch. de Blandonnet 8 • CP 401
CH-1214 Vernier, Geneva, Switzerland
Tel. +41 22 749 01 11
Fax +41 22 749 09 47
copyright@iso.org
www.iso.org

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

This sixth edition cancels and replaces the fifth edition (ISO 4250-1:2014), which has been technically revised.

A list of all the parts in the ISO 4250 series, can be found on the ISO website.

Earth-mover tyres and rims —

Part 1: Tyre designation and dimensions

1 Scope

This document specifies designations and dimensions for earth-mover tyres and gives the recommended rims primarily intended for earth-moving machinery as defined in ISO 6165 .

The ISO 4250 series consists of three parts which specify the technical elements relating to designation and dimensions of tyres and rims for earth-movers; it also gives load tables for these tyres.

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 4250-2 , *Earth-mover tyres and rims — Part 2: Loads and inflation pressures*

ISO 4250-3:2011 , *Earth-mover tyres and rims — Part 3: Rims*

3 Terms and definitions

For the purposes of this document, the definitions given in ISO 4223-1 and ISO 4250-2 apply.

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

— IEC Electropedia: available at <http://www.electropedia.org/>

— ISO Online browsing platform: available at <http://www.iso.org/obp>

NOTE For a list of equivalent terms, see ISO 3877-1.

4 Tyre designation

4.1 General

The designation of the tyre shall be shown on its sidewall and shall include the following details:

- size and construction characteristics (see [4.2](#));
- index of tyre strength (see [4.3](#)).

The designation can include:

- operating condition (see [4.4](#)).

The designation can also include the various use characteristics given in [4.5](#), as necessary.