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**Earth-mover tyres and rims —**

**Part 3:  
Rims**

*Pneumatiques et jantes pour engins de terrassement —  
Partie 3: Jantes*



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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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.

ISO 4250-3 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 4250-3:2006), which has been technically revised.

ISO 4250 consists of the following parts, under the general title *Earth-mover tyres and rims*:

- *Part 1: Tyre designation and dimensions*
- *Part 2: Loads and inflation pressures*
- *Part 3: Rims*

## Introduction

ISO 4250 consists of three parts (ISO 4250-1, ISO 4250-2 and this part of ISO 4250) that lay down the technical elements relating to designation and dimensions of tyres and rims for earth-moving machinery. It also provides load tables for these tyres.

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# Earth-mover tyres and rims —

## Part 3: Rims

### 1 Scope

This part of ISO 4250 sets out the designation, contours and dimensions for rims for narrow- and wide-base off-road tyres primarily intended for earth-moving machinery.

All dimensions in this part of ISO 4250 are given in millimetres and are applicable to the side of the rim which is in contact with the tyre.

Tyre designations and dimensions, tyre classifications and nomenclature are given in ISO 4250-1, ISO 10571 and ISO 13442.

Annex A gives details on sealing ring grooves and O-rings for earth-mover rims.

### 2 Normative references

The following referenced documents are indispensable for the application 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 3911, *Wheels and rims for pneumatic tyres — Vocabulary, designation and marking*

### 3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 3911 apply.

### 4 Rim identification

4.1 Codes shall be used to identify:

- a) specified rim diameter,  $D$  (see Table 7);
- b) nominal width between flanges;
- c) nominal flange height or rim profile designations.