

STANDARD

10500

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Industrial tyres and rims — Cylindrical and conical base rubber solid tyres (metric series) — Designation, dimensions and marking

Pneumatiques et jantes pour matériel de manutention — Bandages pleins en caoutchouc à base conique ou cylindrique (série millimétrique) — Désignation, dimensions et marquage



Reference number
ISO 10500:1991(E)

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.

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.

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Industrial tyres and rims — Cylindrical and conical base rubber solid tyres (metric series) — Designation, dimensions and marking

1 Scope

This International Standard specifies the main requirements, including designations, dimensions, markings and load ratings, of the metric series of cylindrical and conical base rubber solid tyres primarily intended for industrial machines for use on prepared surfaces.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 286-2:1988, *ISO system of limits and fits — Part 2: Tables of standard tolerance grades and limit deviations for holes and shafts.*

ISO 468:1982, *Surface roughness — Parameters, their values and general rules for specifying requirements.*

ISO 3877-4:1984, *Tyres, valves and tubes — List of equivalent terms — Part 4: Solid tyres.*

ISO 4223-2:1991, *Definitions of some terms used in the tyre industry — Part 2: Solid tyres.*

3 Definitions

For definitions of terms relating to solid tyres, see ISO 4223-2:1991; equivalent terms are given in ISO 3877-4:1984.

4 Tyre designations

The dimensional and constructional characteristics shall be indicated as specified in 4.1 and 4.2.

4.1 Cylindrical base tyres

4.1.1 Pressed-on tyres

A three-part designation shall be given, as follows:

overall diameter D × nominal base width W -
nominal rim (wheel) diameter d

EXAMPLE

260 × 125-160

4.1.2 Cured-on tyres

A two-part designation shall be given, as follows:

overall diameter D × nominal base width W

EXAMPLE

225 × 100

4.2 Conical base tyres

A four-part designation shall be given, as follows:

overall diameter D × nominal tyre width W -
nominal rim (wheel) diameter d_0 , with the symbol
KM (for a wheel divided in the middle) or KS (for
a wheel divided at the side)

EXAMPLE

260 × 125-160 KM