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INTERNATIONAL STANDARD 612

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

Road vehicles – Dimensions of motor vehicles and towed vehicles – Terms and definitions

Véhicules routiers – Dimensions des automobiles et véhicules tractés – Dénominations et définitions

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FOREWORD

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO member bodies). The work of developing International Standards is carried out through ISO technical committees. Every member body interested in a subject for which a technical committee has been set up 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.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 612 was developed by Technical Committee ISO/TC 22, *Road vehicles*, and was circulated to the member bodies in november 1976.

It has been approved by the member bodies of the following countries :

Austria	Iran	New Zealand
Brazil	Italy	Poland
Bulgaria	Japan	Romania
France	Korea, Dem. P. Rep. of	South Africa, Rep. of
Germany	Korea, Rep. of	Spain
Hungary	Mexico	Sweden
India	Netherlands	Switzerland

The member bodies of the following countries expressed disapproval of the document on technical grounds :

Australia
Belgium
United Kingdom

This International Standard cancels and replaces ISO Recommendation R 612-1967, of which it constitutes a technical revision.

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Road vehicles – Dimensions of motor vehicles and towed vehicles – Terms and definitions

1 SCOPE

This International Standard defines terms relating to dimensions of motor vehicles and towed vehicles.

It does not deal with methods of measurement, the units used in reporting the results or the accuracy required or the order of magnitude of the dimensions defined.

NOTE – Other terms, definitions and symbols are given in the following International Standards :

ISO 3877/I, *Tyres, valves and tubes – List of equivalent terms – Part I : Tyres.*

ISO 3877/II, *Tyres, valves and tubes – List of equivalent terms – Part II : Tyres valves.*

ISO 3877/III, *Tyres, valves and tubes – List of equivalent terms – Part III : Tubes.*

ISO 3911, *Wheels/rims – Nomenclature, designation, marking, and units of measurement.*

ISO 4131, *Road vehicles – Dimensional symbols for passenger cars.*¹⁾

ISO 4223/I, *Definitions of some terms used in the tyre industry – Part I : Pneumatic tyres.*

2 FIELD OF APPLICATION

The provisions of this International Standard apply to motor vehicles and towed vehicles as defined in ISO 3833 (terms 3.1 and 3.2).

This International Standard does not cover road vehicles such as motorcycles and mopeds, or other vehicles, such as agricultural tractors, which are only incidentally used for the carriage of persons or goods by road or for towing on the road vehicles used for the carriage of persons or goods.

3 REFERENCES

ISO 1176, *Road vehicles – Weights – Vocabulary.*

ISO 1726, *Road vehicles – Mechanical coupling between tractors and semi-trailers – Interchangeability.*

ISO 3833, *Road vehicles – Types – Terms and definitions.*

ISO 4130, *Road vehicles – Three-dimensional reference system and fiducial marks.*¹⁾

4 GENERAL

Unless otherwise stated with regard to one or more of the items mentioned below, it should be understood that :

- a) the supporting surface is horizontal; lengths and widths are measured in the horizontal plane, and heights in the vertical plane;
- b) the total weight of the vehicle is the maximum authorized total weight (see ISO 1176), the load being distributed according to the manufacturer's instructions;
- c) the tyres are inflated to the pressure corresponding to the maximum authorized total weight of the vehicle;
- d) the vehicle is stationary; its doors and windows are closed, and its wheels and articulated elements are in positions corresponding to movements in a straight line;
- e) the vehicle is new from the factory and normally equipped;
- f) all wheels of the vehicle are resting on the ground;
- g) the expression "mid-plane of the wheel", that occurs in a number of definitions, designates the plane equidistant from the inner edges of the rim.

¹⁾ At present at the stage of draft.