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Road vehicles — Fifth wheels — Interchangeability

Véhicules routiers — Sellette d'attelage — Interchangeabilité



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Foreword

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International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

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 International Standard may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

International Standard ISO 3842 was prepared by Technical Committee ISO/TC 22, *Road vehicles*, Subcommittee SC 15, *Interchangeability of components of commercial vehicles and buses*.

This third edition cancels and replaces the second edition (ISO 3842:1984), which has been technically revised.

Road vehicles — Fifth wheels — Interchangeability

1 Scope

This International Standard specifies the dimensional characteristics necessary for the mounting and interchangeability of the fifth wheel on the frame (subframe or mounting plate) of towing vehicles for semi-trailers. It is applicable to fifth wheels intended for hitching on semi-trailers equipped with a

- 50 kingpin as defined in ISO 337, or
- 90 kingpin as defined in ISO 4086.

Dimensions not specified are left to the discretion of the component manufacturer.

NOTE Those test conditions and strength requirements to be met by 50 and 90 fifth wheel couplings are specified in ISO 8717.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this International Standard. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 337, *Road vehicles — 50 semi-trailer fifth wheel coupling pin — Basic and mounting/interchangeability dimensions*.

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

ISO 4086:—¹⁾, *Road vehicles — 90 semi-trailer fifth wheel kingpins — Basic and mounting/interchangeability dimensions*.

ISO 8717, *Commercial road vehicles — Fifth wheel couplings — Strength tests*.

3 General requirements

3.1 Fixing holes

3.1.1 Frame

The position of the fixing holes on the frame shall be as shown in Figure 1.

3.1.2 Fifth wheel coupling

The position of the fixing holes on the fifth wheel coupling shall be as shown in Figure 2.

1) To be published. (Revision of ISO 4086:1982)