

INTERNATIONAL STANDARD



3842

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

Road vehicles — Fifth wheel mounting

Véhicules routiers — Fixation des coupleurs d'attelage

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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 3842 was drawn up by Technical Committee ISO/TC 22, *Road vehicles*, and was circulated to the Member Bodies in February 1975.

It has been approved by the Member Bodies of the following countries :

Austria	Hungary	Spain
Belgium	Iran	Sweden
Brazil	Italy	Switzerland
Bulgaria	Japan	Turkey
Chile	Mexico	United Kingdom
Czechoslovakia	Netherlands	Yugoslavia
Finland	Romania	
Germany	South Africa, Rep. of	

The Member Bodies of the following countries expressed disapproval of the document on technical grounds :

Australia
France

Road vehicles — Fifth wheel mounting

1 SCOPE

This International Standard specifies the dimensional characteristics necessary for mounting and interchangeability of the fifth wheel on the frame¹⁾ of tractor vehicles for semi-trailers.

2 FIELD OF APPLICATION

This International Standard applies to the fifth wheels intended to couple semi-trailers equipped with a 50 coupling pin defined in ISO 337.

3 GENERAL REQUIREMENTS

3.1 Fifth wheel

The fifth wheel shall be drilled with twelve holes of 17 mm diameter. However, holes elongated in the transverse direction are permitted (see figure) if they result from agreement between the fifth wheel maker and the tractor manufacturer.

3.2 Mounting

The fifth wheel mounting on the frame shall be effected with M16 bolts. Mounting of the fifth wheel on the frame of the tractor vehicle is adequately effected by means of eight M16 bolts placed symmetrically with respect to the longitudinal and transverse axes of the fifth wheel.

1) By the word "frame" is meant : frame, sub-frame, or brackets.