

---

# INTERNATIONAL STANDARD



# 3833

---

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

---

## Road vehicles — Types — Terms and definitions

*Véhicules routiers — Types — Dénominations et définitions*

**Second edition — 1977-12-01**

Corrected and reprinted — 1978-08-01

**ITeH STANDARD PREVIEW**  
**(standards.iteh.ai)**

ISO 3833:1977

<https://standards.iteh.ai/catalog/standards/sist/29c4aa14-be09-43e7-b9f7-cc96741fe0c9/iso-3833-1977>



---

UDC 629.113 : 001.4

Ref. No. ISO 3833-1977 (E)

**Descriptors** : road vehicles, motor vehicles, towed road vehicles, designation, definitions.

Price based on 12 pages

## 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 3833 was developed by Technical Committee ISO/TC 22, *Road vehicles*. This second edition was submitted directly to the ISO Council, in accordance with clause 6.12.1 of the Directives for the technical work of ISO. It cancels and replaces the first edition (i.e. ISO 3833-1976) and ISO 3833-1976/Addendum 1.

The first edition had been approved by the member bodies of the following countries :

Australia	Hungary	Spain
Austria	Iran	Sweden
Belgium *	Italy	Switzerland
Bulgaria	Japan	Turkey
Chile	Netherlands	United Kingdom
Finland	New Zealand	Yugoslavia
France*	Poland	
Germany	South Africa, Rep. of	

\* with the exception of item 3.1.1.4.1.

iTeh STANDARD PREVIEW  
(standards.itteh.ai)

ISO 3833:1977

<https://standards.itteh.ai/catalog/standards/sist/29c4aa14-be09-43e7-b9f7-cc96741fe0c9/iso-3833-1977>

The member body of the following country had expressed disapproval of the document on technical grounds :

Czechoslovakia

ISO 3833-1976/Addendum 1 (items 3.4 and 3.5 in the present document) had been approved by the member bodies of the following countries :

Austria	Iran	Romania
Belgium	Italy	South Africa, Rep. of
Brazil	Japan	Spain
Czechoslovakia	Mexico	Sweden
France	Netherlands	Turkey
Germany	New Zealand	United Kingdom
Hungary	Poland	

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

Australia  
India  
U.S.A.

## CONTENTS

	Page
<b>1 Scope</b>	<b>1</b>
<b>2 Field of application</b>	<b>1</b>
<b>3 Terms and definitions</b>	<b>1</b>
3.1 Motor vehicle	2
3.1.1 Passenger car	2
3.1.1.1 saloon (sedan)	2
3.1.1.2 convertible saloon	3
3.1.1.3 pullmann saloon (pullmann sedan) (executive limousine)	3
3.1.1.4 station wagon	4
3.1.1.4.1 truck station wagon	5
3.1.1.5 coupé	6
3.1.1.6 convertible (open tourer) (roadster) (spider)	6
3.1.1.7 multipurpose passenger car	6
3.1.1.8 forward control passenger car	7
3.1.1.9 special passenger car	7
3.1.2 Bus	7
3.1.2.1 minibus	7
3.1.2.2 urban bus	7
3.1.2.3 interurban coach	7
3.1.2.4 long distance coach	7
3.1.2.5 articulated bus	8
3.1.2.6 trolley bus	8
3.1.2.7 special bus	8
3.1.3 Commercial vehicle	8
3.1.3.1 special commercial vehicle	8
3.1.4 Special vehicle	9
3.1.5 Trailer-towing vehicle (Draw-bar tractor)	9
3.1.6 Semi-trailer-towing vehicle (Fifth wheel tractor)	9
3.2 Towed vehicle	10
3.2.1 Trailer	10
3.2.1.1 bus trailer	10
3.2.1.2 general purpose trailer	10
3.2.1.3 caravan	10
3.2.1.4 special trailer	10
3.2.2 Semi-trailer	10
3.2.2.1 bus semi-trailer	11
3.2.2.2 general purpose semi-trailer	11

3.2.2.3 special semi-trailer . . . . .	11
3.3 Combination of vehicles. . . . .	11
3.3.1 Road train . . . . .	11
3.3.2 Passenger road train . . . . .	11
3.3.3 Articulated road train . . . . .	12
3.3.4 Double road train. . . . .	12
3.3.5 Composite road train . . . . .	12
3.3.6 Special road train. . . . .	12
3.4 Moped . . . . .	12
3.5 Motorcycle . . . . .	12

## iTeh STANDARD PREVIEW (standards.iteh.ai)

ISO 3833:1977

<https://standards.iteh.ai/catalog/standards/sist/29c4aa14-be09-43e7-b9f7-cc96741fe0c9/iso-3833-1977>

## Road vehicles — Types — Terms and definitions

### iTeh STANDARD PREVIEW (standards.iteh.ai)

#### 1 SCOPE

This International Standard defines terms relating to some types of road vehicles designated according to certain design and technical characteristics.

The terms do not take into account whether the vehicles and certain combinations are authorized or not in a given country.

#### 2 FIELD OF APPLICATION

The provisions of this International Standard apply to all vehicles designed for road circulation (motor vehicles,

towed vehicles, combinations of vehicles, mopeds, motorcycles).

This International Standard does not cover 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 TERMS AND DEFINITIONS

NOTE — Where applicable, the corresponding term as defined in the appropriate paragraph of Article 1 of the Convention on Road Traffic of the UNO Conference held in Vienna in 1968 is indicated, in parentheses, after a term.

### 3.1 MOTOR VEHICLE (*term p*)

Any power-driven road vehicle which has four or more wheels<sup>1)</sup>, which is not rail borne, and which is normally used for :

- carrying persons and/or goods;
- towing vehicles used for the carriage of persons and/or goods;
- special service.

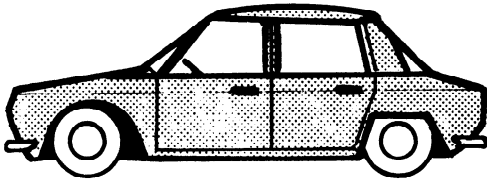
This term includes :

- a) vehicles connected to an electric conductor, for example trolley buses;
- b) three-wheeled vehicles whose complete vehicle kerb weight<sup>2)</sup> exceeds 400 kg.<sup>3)</sup>

No.	Term	Definition	Drawing
3.1.1	<b>PASSENGER CAR</b>	A motor vehicle (3.1) which, on account of its design and appointments, is intended mainly for carrying persons and their luggage and/or goods, and which has available a maximum of nine seating places, including the driving seat. It may also tow a trailer.	See items 3.1.1.1 to 3.1.1.8 below.

NOTE — Some of the terms below may include so-called "sports cars".

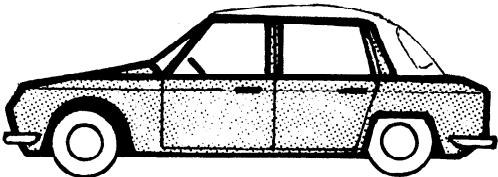
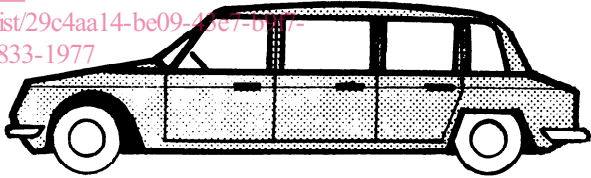
In the following definitions, a window is a glass opening which may comprise one or several panes (example : a vent window is an element of a window).

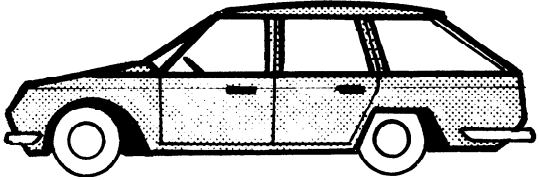
3.1.1.1	<b>saloon (sedan)</b>	<p><i>Body</i></p> <p>Closed, with or without central pillar to side windows.</p> <p><i>Hood/Roof</i></p> <p>Fixed, rigid roof. A portion of the roof may, however, be openable.</p> <p><i>Accommodation</i></p> <p>4 or more seats in at least 2 rows.</p> <p><i>Doors</i></p> <p>2 or 4 side doors. There may also be a rear opening.</p> <p><i>Windows</i></p> <p>4 side windows.</p> <p>NOTE — If the two side windows are not divided by a central pillar, this car may be called "coach".</p>	
---------	-----------------------	---	--

1) Some three-wheeled vehicles, as defined in b), are also treated as motor vehicles.

2) See ISO 1176, No. 4.6.

3) Three-wheeled vehicles whose complete vehicle kerb weight is less than or equal to 400 kg are treated as motorcycles (3.5).

No.	Term	Definition	Drawing
3.1.1.2	<b>convertible saloon</b>	<p><i>Body</i></p> <p>Openable.</p> <p><i>Hood/Roof</i></p> <p>The side-wall frame is stationary and the remainder is retractable.</p> <p><i>Accommodation</i></p> <p>4 or more seats, in at least 2 rows.</p> <p><i>Doors</i></p> <p>2 or 4 side doors.</p> <p><i>Windows</i></p> <p>4 or more side windows.</p>	
3.1.1.3	<b>pullman saloon</b> (pullman sedan) (executive limousine)	<p><i>Body</i></p> <p>Closed. There may be a partition between the front and rear seats.</p> <p><i>Hood/Roof</i></p> <p>Fixed, rigid roof. A portion of the roof may, however, be openable.</p> <p><i>Accommodation</i></p> <p>4 or more seats in at least 2 rows.</p> <p>Folding seats, in front of the rear seats, are possible.</p> <p><i>Doors</i></p> <p>4 or 6 side doors. There may also be a rear opening.</p> <p><i>Windows</i></p> <p>6 or more side windows.</p>	

No.	Term	Definition	Drawing
3.1.1.4	station wagon	<p><i>Body</i></p> <p>Closed.</p> <p>Rear shape is designed in order to give a larger interior volume.</p> <p><i>Hood/Roof</i></p> <p>Fixed, rigid roof. A portion of the roof may, however, be openable.</p> <p><i>Accommodation</i></p> <p>4 or more seats in at least 2 rows.</p> <p>The row or rows of seats may have forward-foldable backs or be removable to provide a load platform.</p> <p><i>Doors</i></p> <p>2 or 4 side doors and a rear opening.</p> <p><i>Windows</i></p> <p>4 or more side windows.</p>	

ISO 3833:1977  
<https://standards.iteh.ai/catalog/standards/sist/29c4aa14-be09-43e7-b9f7-cc96741fe0c9/iso-3833-1977>



No.	Term	Definition	Drawing
3.1.1.4.1	truck station wagon	<p>A passenger car (3.1.1) derived from a commercial vehicle (3.1.3).</p> <p><i>Body</i></p> <p>Closed.</p> <p><i>Hood/Roof</i></p> <p>Fixed, rigid roof. A portion of the roof may, however, be openable or capable of being elevated.</p> <p><i>Accommodation</i></p> <p>4 or more seats, in at least 2 rows. The rear seats may be removable or may have foldable backs to provide a load platform.</p> <p><i>Doors</i></p> <p>2, 3 or 4 side doors and a rear opening.</p> <p><i>Windows</i></p> <p>4 or more side windows.</p> <p><i>Seat height</i></p> <p>The point R<sup>1)</sup> of the driver's seat shall be at least 750 mm above the surface supporting the vehicle, when measured at complete vehicle kerb weight (see ISO 1176 No. 4.6).</p>	

1) The point R, being the "seating reference point", is the manufacturer's design point which establishes the rearmost normal position of each seat provided by the vehicle manufacturer : it has co-ordinates established relative to the designed vehicle structure and simulates the position of the pivot centre of the human torso and thigh (the point H).

While awaiting the publication of an International Standard dealing with this subject, verification of the position of point H can be made in accordance with the information given in Annex 4 of document E/ECE/324/REV.1/ADD.13 of the Economic Commission for Europe of the United Nations. This document is entitled : *Agreement concerning the adoption of uniform conditions of approval and reciprocal recognition of approval for motor vehicle equipment and parts* — done at GENEVA on 20 March 1958 — Addendum 13 : Regulation No. 14 to be annexed to the Agreement : *Uniform provisions concerning the approval of vehicles with regard to safety belt anchorages on passenger cars*.

The checking of the relationship between the two points will be considered satisfactory for the particular position in question, provided that the co-ordinates of the point H lie within a longitudinal rectangle whose horizontal and vertical sides are 30 mm and 20 mm respectively and whose diagonals intersect at the point R.