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Strength of Seats and Their Anchorages of Passenger  
Vehicles

客车座椅及其车辆固定件的强度

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# Strength of Seats and Their Anchorages of Passenger Vehicles

## 1 SCOPE

This document specifies the technical requirements and test methods for the strength of the seats and their anchorages of passenger vehicles.

This document applies to the forward-facing passenger seats and their anchorages in the vehicles of Classes II, III and B under categories M<sub>2</sub> and M<sub>3</sub>, and also applies to the vehicles of above categories in respect of their restraining barriers installed in front of the seats and their anchorages.

This document neither applies to rearward-facing or side-facing seats and their anchorages, nor driver's seats and their anchorages.

## 2 NORMATIVE REFERENCES

The following normative documents contain provisions which, through normative reference in this text, constitute essential provision of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendment) applies.

|                 |  |
|-----------------|--|
| GB 11551-2014   | The protection of the occupants in the event of a frontal collision for motor vehicle  |
| GB 14166        | Safety-belts, restraint systems, child restraint systems and ISOFIX child restraint systems for occupants of power-driven vehicles |
| GB 14167        | Safety-belt anchorages, ISOFIX anchorages systems and ISOFIX top tether anchorages for vehicles                                    |
| GB 15083-2019   | Strength requirement and test method of automobile seats, their anchorages and any head restraints                                 |
| GB/T 15089      | Classification of power-driven vehicles and trailers   |
| GB/T 29120-2012 | Procedure for H-point and R-point determination  |

## 3 TERMS AND DEFINITIONS

For the purpose of this document, the terms and definitions established in GB 11551-2014, GB 14166, GB 14167, GB 15083-2019, GB/T 15089 and GB/T 29120-2012, as well as the following apply.

### 3.1 Forward-facing seat

a seat which can be used whilst the vehicle is in motion and which faces towards the front of the vehicle in such a manner that the vertical plane of symmetry of the seat forms an angle of  $0^{\circ}\pm 10^{\circ}$  with the vertical plane of symmetry of the vehicle

[Source: GB 15083-2019, 3.2.1]

### 3.2 Adjustment system

a device by which the seat or its parts can be adjusted to a position suited to the morphology of the seated occupant

[Source: GB 15083-2019, 3.7, modified]



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