



**NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC  
OF CHINA**

**中华人民共和国国家标准**

GB 1589-2004

Replace GB 1589-1989

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**Limits of dimensions, axle load and masses for road  
vehicles**

**道路车辆外廓尺寸、轴荷及质量限值**

**Issued on April 01, 2004**

**Implemented on October 01, 2004**

**Issued by General Administration of Quality Supervision, Inspection and  
Quarantine of the People's Republic of China**

**Standardization Administration of the People's Republic of China**

## Foreword

All text of this standard is compulsory.

The standard is the first revision to GB 1589-1989, Outside Dimension Limits of Motor Vehicles.

Compared with GB 1589-1989, Outside Dimension Limits of Motor Vehicles, the following changes have been made:

The requirement for limits of dimensions of three wheel automobile, bus with three axles and trailer has been added;

The measurement methods and requirements for vehicle turning clearance circle and out yawing value have been added;

The requirement for limit of axle load and total mass of automobile, trailer and automobile train has been added;

The “Other requirements” for automobile, trailer and automobile train has been added;

The requirement for limits of dimensions of bus, truck and other vehicles has been amended.

The Annex A of the standard is a Normative Annex.

The standard replaces GB 1589-1989, Outside Dimension Limits of Motor Vehicles.

The standard shall be implemented for new approved products from its implementation date, and for manufactured products after twelve months from the issue date.

The standard is jointly proposed by the National Development and Reform Commission, Ministry of Transport and Ministry of Public Security of the People's Republic of China.

The standard is under the jurisdiction of National Technical Committee of Auto Standardization.

The standard is drafted by Chinese Automotive Technology & Research Centre, Research Institute of Highway of the Ministry of Transport, traffic management research institute of the Ministry of Public Security, China FAW Group and Dongfeng Motor Corporation.

The previous versions replaced by the standard: GB 1589-1989.

# National Standard of the People's Republic of China

## Limits of dimensions, axle load and masses for road vehicles

GB 1589--2004

Replace GB 1589--89

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### 1 Scope

This standard specifies the limits of the outside dimension, axle load and masses of automobile, trailer and automobile train.

This standard applies to automobile (except the automobile crane with a maximum design gross mass exceeding 26000kg), trailer and automobile train used on road. This standard does not apply to special purpose vehicles equipped by army.

### 2 Normative Reference

The following standards contain provisions, which, through reference in this text, constitute provisions of this standard. For the reference with date, all of its amendments (not including corrigenda) or revision edition after that date are not applicable to this standard. Nevertheless, parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. For the reference documents without date, their most recent editions apply to this standard.

GB/T 3730.1 Motor vehicles and trailers—Types—Terms and definitions

GB/T 3730.2 Motor vehicles—Mass—Vocabulary and code ( GB/T 3730.2-1996 , idt ISO 1176:1990 )

GB/T 3730.3 Motor vehicles and trailers—Terms and definitions—Dimensions of vehicles ( GB/T 3730.3-1992 , neq ISO 612 : 1978 )

### 3 Terms and Definitions

The definitions described in GB/T 3730.1, GB/T 3730.2 and GB 3730.3 apply to this standard.

### 4 Requirements

The vehicles specified in this standard shall meet the respective requirements in 4.1, 4.2, 4.3, and 4.4.

#### 4.1 Vehicle outside dimension requirements

##### 4.1.1 Vehicle outside dimension limits

The outside dimension of automobile, trailer and automobile train shall not exceed the maximum limits specified in Table 1.

##### 4.1.2 Other requirements for vehicle outside dimension

**Issue date : April 1 , 2004**

**Enforcement date: October 1 , 2004**

**Issued by the The General Administration of Quality Supervision, Inspection and Quarantine, P. R. China**

**The Standardization Administration of the P. R. China**

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