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

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**Steering System of Motor Vehicles—Basic Requirements**  
**汽车转向系 基本要求**

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# Steering System of Motor Vehicles—Basic Requirements

## 1 SCOPE

This Standard specifies terms and definitions, technical requirements, and test methods for steering system of motor vehicles.

This Standard applies to the vehicles of Categories M and N and the trailers of Category O, as defined in GB/T 15089.

This Standard doesn't apply to:

- Steering system with a pneumatic transmission;
- Vehicles equipped with the autonomous steering system as defined in 3.1.1.5.

## 2 NORMATIVE REFERENCES

The following referenced documents are indispensable for the application of this document. For dated references, only the editions cited apply. For undated references, the latest editions of the normative document (including any amendments) apply.

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

GB/T 3730.2 Road vehicle-Masses-Vocabulary and codes

GB/T 3730.3 Motor vehicles and towed vehicles-Dimensions of vehicles-Terms and definitions

GB/T 5053.3 Road vehicles - Connectors for the electrical connection of towing and towed vehicles - Definitions tests and requirements

GB/T 5563 Rubber and Plastics Hoses and Hose Assemblies - Hydrostatic Testing

GB/T 7939 Hydraulic fluid power—Hose assemblies—Test methods

GB/T 9574 Rubber and plastics hoses and hose assemblies-Ratios of proof and burst pressure to maximum working pressure

GB/T 12540 Minimum turning circle diameter minimum turning clearance circle diameter and out value test method for motor vehicles

GB/T 15089 Classification of power-driven vehicles and trailers

GB/T 20716.1 Road vehicles-Connectors for the electrical connection of towing and towed vehicles-Part 1: Connectors for braking systems and running gears of vehicles with 24V nominal supply voltage

GB/T 20718 Road vehicles-Connectors for the electrical connection of towing and towed vehicles-13-pole connector for vehicles with 12V nominal supply voltage

GB/T 34590 (All Parts) Road Vehicles - Functional Safety

GB 34660 Road vehicles—Requirements and test methods of electromagnetic compatibility

GB/T 35360 Motor vehicles steering system terms and definitions

ISO 2575:2010 Road vehicles - Symbols for controls, indicators and tell-tales

## 3 TERMS AND DEFINITIONS

For the purpose of this document, the terms and definitions given in GB/T 3730.1, GB/T 3730.2, GB/T 3730.3, GB/T 12540, GB/T 15089, GB/T 34590 and GB/T 35360 as well as the followings apply.

### 3.1 Basic Terms

#### 3.1.1

steering system

the system used to alter or maintain the driving direction of the vehicle



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