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

GB 18320-2025

Replacing GB 18320-2008

Tri-wheel vehicles - Safety technical specification

三轮汽车 安全技术规范

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Table of Contents

1.Scope	1
2 Normative References	1
3.Terms and Definitions	2
4.Safety Requirements	2
5.Usage Information	11
28 References	29

Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part

1.Structure and Drafting Rules of Standardization Documents". Drafting. This document supersedes GB 18320-2008 "Safety Technical Requirements for Three-Wheeled Vehicles and Low-Speed Trucks" and GB 24943-2010 "Safety Technical Requirements for Three-Wheeled Vehicles and Low-Speed Trucks". "Safety Signs for Vehicles and Low-Speed Trucks". This document is based on GB 18320-2008 and incorporates content from GB 24943-2010. Compared with GB 18320-2008, apart from structural adjustments and editorial changes, the main technical changes are as follows:

- The scope of the document has been changed (see Chapter 1, Chapter 1 of the.2008 edition);
- The list of dangers has been removed (see Chapter 3 of the.2008 edition);
- The general requirements for the whole vehicle have been changed (see 4.1,.2008 version 4.1);
- Increased rear space requirements for three-wheeled vehicles with extended cabs (see 4.2.1.2);
- Added requirements for the passenger seat dimensions of steering wheel-mounted three-wheeled vehicles (see 4.2.2.3);
- The steering wheel (steering handle) center offset requirement has been changed (see 4.2.3.1, 4.2.3 in the.2008 version);
- Increased flexibility requirements for all components of the control mechanism (see 4.2.4.2);

---The safety requirements and criteria for low-speed trucks have been removed (see sections 4.2~4.7, 4.11, 4.12, 5.1~5.4, and

6.4 of the.2008 edition). (6.6, 6.8, 6.10~6.13)

---The requirements for access to and from the cab of fully enclosed three-wheeled vehicles have been changed (see 4.2.5.2,

4.2.5 in the.2008 version);

1 Scope

GB 18320-2025 is the Chinese national standard on tri-wheel vehicles - safety technical specification, in the field of agriculture. It carries no /T suffix, which in the Chinese system means compliance is mandatory: a product or a practice within its scope has to meet it to be lawfully made, sold or carried out in China. It was issued on 31 October 2025 by the State Administration for Market Regulation; Standardization Administration of China, and takes effect on 1 November 2026. Classification: ICS 65.060.01, CCS T54. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This document specifies the safety requirements, usage information, and determination of safety requirements for three-wheeled vehicles. This document applies to the design, manufacture, and inspection of three-wheeled vehicles.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included. For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies. This document.

GB 1589 Limits for the overall dimensions, axle load and mass of automobiles, trailers and automobile combinations

GB 8410 Combustion characteristics of automotive interior materials

GB 9656 Technical Specification for Safety of Motor Vehicle Glass

GB 10396-2006 General Rules for Safety Signs and Hazard Symbols for Agricultural and Forestry Tractors and Machinery, Lawn and Horticultural Power Machinery

GB 11564 Retroreflective Devices for Motor Vehicles

GB 16735 Road Vehicles Vehicle Identification Number (VIN)

GB 18322 Limits and Measurement Methods for Smoke Emissions from Agricultural Transport Vehicles During Free Acceleration

GB/T 19118 Noise Measurement Methods for Three-Wheeled Vehicles and Low-Speed Trucks

GB/T 19119 Installation Specifications for Lighting and Signaling Devices of Three-Wheeled Vehicles and Low-Speed Trucks

GB/T 19120 Structure, performance and test methods for braking systems of three-wheeled vehicles and low-speed trucks

GB/T 19122 Symbols for controls, indicators and signaling devices of three-wheeled vehicles and low-speed trucks

GB/T 19123 Photometric performance of turn signals for three-wheeled vehicles and low-speed trucks

GB/T 19124 Headlights for Three-Wheeled Vehicles and Low-Speed Trucks