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

GB/T 44354-2024

**Parking equipment - Safety signs and hazard pictorials -
General principles**

停车设备 安全标志与危险图示 通则

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part

1. Structure and drafting rules for standardization documents" Drafting is required. Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents.

This document was proposed by the China Machinery Industry Federation. This document is under the jurisdiction of the National Technical Committee for Standardization of Lifting Machinery (SAC/TC 227). This document was drafted by: Jiangsu Puteng Parking Equipment Co., Ltd., Beijing Hoisting and Conveying Machinery Design and Research Institute Co., Ltd., Beijing Kezheng Ping Engineering Technology Testing Institute Co., Ltd., Hangzhou Xizi Intelligent Parking Co., Ltd., Anhui Bowei Liankong Technology Co., Ltd., Shenzhen Yifeng Automation Technology Co., Ltd., Shenzhen CIMC Intelligent Parking Co., Ltd., Shenzhen VEICHUAN Automation Equipment Co., Ltd., Zhejiang Ramontech Technology Co., Ltd., Jiangsu Runbang Intelligent Garage Co., Ltd., Shenzhen Jingzhi Machinery Co., Ltd., Jiangsu Jinguan Parking Industry Co., Ltd. Hangzhou Dazhongbao Technology Co., Ltd., Beijing Xinhua Yuan Machinery Manufacturing Co., Ltd., Qingdao Maoyuan Parking Equipment Manufacturing Co., Ltd. Company, Dongjie Intelligent Technology Group Co., Ltd., Anhui Hongjie Will Parking Equipment Co., Ltd., Taizhong Group Xiangming Intelligent Equipment Co., Ltd. Co., Ltd., Jiangsu Chuandian Mingchun Electrical Machinery Co., Ltd., Anhui Jianghe Intelligent Equipment Group Co., Ltd., Anhui Kaixuan Intelligent Parking Equipment Ltd. The main drafters of this document are. Yao Xin, Zhao Chunhui, Xu Mingjin, Tao Tianhua, Ge Yanqing, Zhong Chongfeng, Ma Xinghua, Song Kai, Lin Weitong, Meng Chencan, Xie Qingjun, Huang Shilong, Wang Dan, Yu Zhihua, Fang Qingling, Wang Yao, Yan Lirui, Lu Xinghua, Li Dehu, Zhang Feng, Li Zhoujun, Li Wenhui, Li Zhibing, and Li Xin. General rules for safety signs and hazard pictograms for parking equipment

1 Scope

GB/T 44354-2024 sets the general principles for safety signs and hazard pictorials on parking equipment, the mechanical and automated car parking systems that China has installed in very large numbers. These machines are unusual in that the people most at risk from them are members of the public with no training who interact with them briefly and without supervision, so the signage is not a supplement to instruction, it is the instruction. The standard sets the purpose of the safety signs, the forms they take, their composition and standard layout, the safety alert symbol, the signal words and the colour and geometric conventions that distinguish danger, warning, caution and notice, then the design of the hazard pictorials themselves, the requirements on the text, the placement, size and durability of the signs on the equipment, the multilingual and pictorial requirements, and the verification of comprehension. It took effect on 23 August 2024, and for a manufacturer or an operator of parking systems in China it is the reference the signage is judged against.

This document specifies the form, color, size, hazard illustrations, installation requirements, and inspection and maintenance requirements for parking equipment safety signs. This document applies to various types of mechanical parking equipment defined in GB/T 26476.

2 Normative references

The contents of the following documents constitute the essential clauses of this document through normative references in this document. For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies. in this document.

GB 2894 Safety signs and their use guidelines

GB/T 26476 Terminology of Mechanical Parking Equipment

3 Terms and definitions

The terms and definitions defined in GB/T 26476 and the following apply to this document.

3.1 safety sign A symbol used to convey specific safety information.

Note. Safety signs are composed of graphic symbols, safety colors, geometric shapes (frames) or text. [Source: GB 2894-2008, 3.1, modified]

3.2 hazard pictorial Graphics that give a visual description of the hazard and how to avoid it.

Note. Hazard pictograms are an integral part of safety signs.

4 Purpose of safety signs

The purpose of parking equipment safety signs is as follows: Remind personnel of existing dangers or potential dangers;

- a) Identify hazards;
- b) Describe the characteristics of the hazard;
- c) Describe the personal injury that may result from the hazard;
- d) Instruct personnel on how to avoid hazards. e)

5 Forms of safety signs

5.1 Composition of safety signs The safety sign consists of two or more rectangular blocks within a border, and the rectangular blocks express the hazard information related to the product.