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

GB/T 38055.2-2025

**Rough-terrain trucks - Safe use requirements - Part 2: Slewing
variable-reach trucks**

越野叉车 安全使用要求 第2部分：回转伸缩臂式叉车
(English Translation)

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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 is Part 2 of GB/T 38055 "Safety Requirements for the Use of Off-Road Forklifts". GB/T 38055 has the following publications.

part.

---Part 1: Telescopic Boom Forklifts;

---Part 2: Swing Telescopic Boom Forklifts;

---Part 4: Additional Requirements for Telescopic Boom Forklifts with Suspended Swing Loads;

---Part 5: Connection device for telescopic boom forklifts and integrated personnel work platforms.

This document is equivalent to ISO 11525-2:2020 "Safety requirements for the use of forklifts - Part 2: Slewing telescopic boom forklifts".

Please note that some content in this document may involve patents. The issuing organization of this document assumes no 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 on Standardization of Industrial Vehicles (SAC/TC332).

Introduction

Off-road forklifts, with their unique structure and the variety of attachments they can be equipped with, can perform the work of many different types of vehicles. With the development of the domestic off-road forklift market...

With the increasing use of forklifts, there is an urgent need to standardize the safety requirements for the use of off-road forklifts, improve safety during operation, and prevent personal injury.

To address property damage and accidents, establish guidelines for inspection, maintenance, operation, and training, ensuring that my country's safety requirements for off-road forklifts align with international standards.

Alignment.

GB/T 38055, "Safety Requirements for the Use of Off-Road Forklifts," aims to establish the safety requirements for the use of off-road forklifts. GB/T 38055 is intended to be implemented by...

The lower part is composed of.

---Part 1: Telescopic Boom Forklifts. The purpose is to specify the requirements for using non-swinging telescopic boom forklifts.

---Part 2: Swing Telescopic Boom Forklifts. The purpose is to specify the requirements for using swing telescopic boom forklifts.

---Part 4: Additional Requirements for Suspended Swing Load Telescopic Boom Forklifts.

The purpose is to specify the requirements for using suspended swing load telescopic boom forklifts.

Additional requirements for non-rotating and rotary telescopic boom forklifts with dynamic loads.

---Part 5: Connection Devices for Telescopic Boom Forklifts and Integrated Work Platforms. The purpose is to specify the use of non-slewing or swing-back...

Requirements for the connection device between off-road telescopic boom forklifts and integrated work platforms.

Safety requirements for the use of non-integrated personnel work platforms are given in ISO 18479-2.

This document is intended to achieve the following objectives.

---To prevent personal injury, property damage, and accidents;

---Establish guidelines for inspection, maintenance, and operation;

---Establish operator training requirements.

Safety requirements for the use of off-road forklifts Part 2: Slewing Telescopic Boom Forklift

1 Scope

This document specifies the application, inspection, and training of off-road slewing telescopic forklifts (hereinafter referred to as "forklifts") as defined in ISO 10896-2.

Requirements for training, maintenance, repair, and safe operation (hereinafter referred to as "safe use").

Other parts of GB/T 38055 cover non-rotating forklifts, rough terrain forklifts, and integrated manpower units that can be mounted on rough terrain forklifts.

The platform connection device, and the safety requirements for using off-road forklifts to lift freely swinging loads.

This document does not apply to truck-mounted forklifts and mobile cranes.

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/T 35205.2-2023 Safety requirements and validation for off-road forklifts - Part 2: Slewing forklifts (ISO 10896-2.

2016, IDT)

ISO 5057 Industrial trucks - Inspection and repair of forklift forks in use Note. GB/T 17910-2025 Inspection and repair of forklift forks in use (ISO 5057:2022, IDT) ISO 10896-2 Safety requirements and validation for rough-terrain forklifts - Part 2: Slewing forklifts Note. GB/T 35205.2-2023 Safety requirements and validation for off-road forklifts - Part 2: Slewing forklifts (ISO 10896-2:2016, IDT) ISO 11525-1 Safety requirements for the use of rough-terrain forklifts - Part 1: Telescopic boom forklifts userequirements-Part 1: Variable-reachtrucks) Note. GB/T 38055.1-2025 Safety requirements for the use of off-road forklifts - Part 1: Telescopic boom forklifts (ISO 11525-1:2020, IDT) ISO 23676 Rough-terraintrucks Operator Training Content and Methods Note. GB/T 43317-2023 Training Content and Methods for Aerial Work Forklift Operators (ISO 23676:2020, IDT)

3 Terms and Definitions

The terms and definitions defined in ISO 10896-2 and ISO 11525-1, as well as the following terms and definitions, apply to this document.

Normal access/egress configuration the forklift is tire-supported, its slewing mechanism is in the forward-aligned position, the stabilizer is in the transport position, and the boom is lowered to its lowest position and fully retracted.

The state of returning.