

ICS 53.060
CCS J 83



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

GB/T 38055.1-2025

Replacing GB/T 38055.1-2019

**Rough-terrain trucks - Safe use requirements - Part 1:
Variable-reach trucks
(English Translation)**

Issued on: March 28, 2025

Implemented on: October 1, 2025

**Issued by: State Administration for Market Regulation, China National
Standardization Administration**

Table of Contents

Preface
Introduction
1 Scope
2 Normative references
3 Terms and Definitions
4 General Requirements
4.1 General
4.2 Operation Manual
4.3 Modification or reconstruction
4.4 Manufacturer's Notice
4.5 Operator qualifications and training
4.6 Inspection and maintenance
4.7 Hazardous Environments
4.8 Refueling
5 Operational safety rules and precautions
5.1 Operator's safety responsibilities
5.2 Visual inspection and functional test
5.3 General Operating Instructions
5.4 Operation
5.5 Picking up and placing loads
5.6 Using attachments
Reference

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.

This document is part 1 of GB/T 38055 "Safety requirements for all-terrain forklifts". GB/T 38055 has been published for the following part.

--- Part 1: Telescopic forklifts;

--- Part 4: Additional requirements for telescopic forklifts with suspended freely swinging

loads;

--- Part 5: Connection devices for telescopic forklifts and integrated personnel working platforms.

This document replaces GB/T 38055.1-2019 "User requirements for off-road forklifts Part 1: General requirements" and GB/T 38055.1-Compared with 2019, in addition to structural adjustments and editorial changes, the main technical changes are as follows.

--- Changed the scope of application of the standard (see Chapter 1, Chapter 1 of the 2019 edition);

--- Changed the introductory words of terms and definitions (see Chapter 3, Chapter 3 of the 2019 edition);

--- Changed the definitions of some terms (see 3.3, 3.8, 3.5, 3.6 of the 2019 edition);

--- Deleted some terms (see 3.4, 3.8, 3.10, 3.11 of the 2019 edition);

--- Changed the general requirements (see 4.1, 4.1 of the 2019 edition);

--- Added the handling method when there are doubts in the operation manual (see 4.2.2);

--- Changed and merged the contents of operator qualifications and training (see 4.5, 4.5, 4.6, 4.7 of the 2019 edition);

--- Added that users should ensure that inspection and maintenance operations are carried out in approved areas with safe spacing (see 4.6.1.2);

--- Changed the content of preparation work before inspection or maintenance (see 4.6.2, 4.8.2 of the 2019 edition);

--- Changed the content of performance inspection (see 4.6.3, 4.8.3 of the 2019 edition);

--- Changed the inspection and maintenance requirements (see 4.6.5, 4.8.5 of the 2019 edition);

--- Added requirements for working near overhead power lines (see 4.7.2, 5.1.6);

--- Added requirements for fuel filling (see 4.8);

--- Added requirements for dedicated channels used by operators to enter and exit normal operating positions (see 5.3.1);

--- Changed the measures to be taken when the forklift needs repair and is in an unsafe situation (see 5.3.3, 5.3 of the 2019 edition);

--- Changed the operating instructions for picking up and placing loads (see 5.5, 5.5 of the 2019 edition).

This document is equivalent to ISO 11525-1:2020 "Safety requirements for the use of

off-road forklifts Part 1: Telescopic forklifts".

Introduction

Off-road forklifts, with their unique structure and the variety of accessories they can be equipped with, are capable of doing the work of many different types of vehicles.

The increasing use of forklifts has led to an urgent need to standardize the use requirements of users, improve the safety of the operation process, and prevent personal injury and property loss.

and accidents, establish standards for inspection, maintenance, operation and training, and bring my country's off-road forklift safety requirements for users in line with international standards.

GB/T 38055 "Safety requirements for off-road forklifts" aims to establish the requirements for users in the use of off-road forklifts.

It consists of the following parts.

--- Part 1: Telescopic forklifts. The purpose is to specify the general requirements for non-slewing telescopic forklifts.

--- Part 2: Slewing telescopic forklifts. The purpose is to specify the requirements for the use of slewing telescopic forklifts.

--- Part 4: Additional requirements for telescopic forklifts with suspended freely swinging loads. The purpose is to specify the requirements for telescopic forklifts with suspended freely swinging loads.

Additional requirements for non-swinging and swinging telescopic forklifts with dynamic loads.

--- Part 5: Connection devices for telescopic forklifts and integrated personnel working platforms. The purpose is to specify the use of non-rotating or rotating Requirements for the connection devices of all-terrain telescopic forklifts and integrated work platforms.

This document is expected to achieve the following goals.

---Prevent personal injury, property loss and accidents;

--- Establish inspection, maintenance and operation criteria;

--- Establish operator training requirements.

ISO 18479-2 gives requirements for the safe use of non-integrated personnel work platforms.

Safety requirements for off-road forklifts Part 1: Telescopic forklifts

1 Scope

This document specifies the application, inspection, Requirements for training, maintenance, repair and safe operation (hereinafter referred to as "safe use").

The other parts of GB/T 38055 cover slewing forklifts, off-road forklifts and integrated personnel work trucks that can be mounted on off-road forklifts.

The connection device of the platform and the safe use requirements of the off-road forklift with suspended freely swinging load.

This document does not apply to truck mounted forklifts.

2 Normative references

The contents of the following documents constitute 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 to this document.

GB/T 35205.1-2025 Safety requirements and verification of off-road forklifts Part 1: Telescopic forklifts (ISO 10896-1.

2020, IDT)

ISO 5057 Industrial trucks - Inspection and repair of forks in use Note. GB/T 17910-1999 Inspection and repair of forks in use for industrial vehicles (ISO 5057:1993, IDT) ISO 10896-1 Rough-terrain trucks Safety requirements and certification Part 1: Telescopic forklifts Note. GB/T 35205.1-2025 Safety requirements and verification of off-road forklifts Part 1: Telescopic forklifts (ISO 10896-1:2020, IDT) ISO 23676 Rough-terrain trucks-Operator training-Note. GB/T 43317-2023 Off-road forklift operator training content and methods (ISO 23676:2020, IDT)

3 Terms and definitions

For the purpose of this document, the terms and definitions defined in ISO 10896-1 and the following apply.

Authorized Person

A person who is authorized or assigned to perform one or more specific tasks at one or more specific locations on a work site.

User

The person or entity responsible for assigning an operator (3.3) to operate a forklift and