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

GB/T 35205.1-2025

Replacing GB/T 35205.1-2017

**Rough-terrain trucks - Safety requirements and verification -
Part 1: Variable-reach trucks
(English Translation)**

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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.

This document is part 1 of GB/T 35205 "Safety requirements and verification for off-road forklifts". GB/T 35205 has been published for the following part.

--- Part 1: Telescopic forklifts;

--- Part 2: Rotating forklifts;

--- Part 5: Connection devices for telescopic forklifts and integrated personnel work platforms;

--- Part 6: Tilted cab;

--- Part 7: Longitudinal load moment systems.

This document replaces GB/T 35205.1-2017 "Safety requirements and verification of off-road forklifts Part 1: Telescopic forklifts" and Compared with GB/T 35205.1-2017, in addition to structural adjustments and editorial changes, the main technical changes are as follows.

--- Changed the scope of application (see Chapter 1, Chapter 1 of the 2017 edition);

--- Changed the definition of the term "accessory" (see 3.17, 3.17 of the 2017 edition);

- Deleted the term "articulated vehicle" and its definition (see 3.22 of the 2017 edition);
- Added the terms "rough terrain telescopic forklift", "technically permitted maximum working mass" and their definitions (see 3.24, 3.25);
- Added general requirements for safety requirements and/or protection/risk reduction measures (see 4.1.1);
- Changed the requirements for energy storage components (see 4.1.3, 4.1.2 of the 2017 edition);
- Changed the requirements for start/run and stop (see 4.2, 4.2 and 4.3 of the 2017 edition);
- Changed electrical and electronic systems (see 4.3, 4.4 of the 2017 edition);
- Changed the requirements for control devices (see 4.4, 4.5 of the 2017 edition);
- Changed the requirements for the exhaust system (see 4.5.1, 4.6.1 of the 2017 edition);
- Changed the requirements for fuel filler ports (see 4.5.3.2, 4.6.3.2 of the 2017 edition);
- Changed the requirements for pressure vessels (see 4.5.3.4, 4.6.3.4 of the 2017 edition);
- Changed the requirements for stabilizers (see 4.6, 4.7 of the 2017 edition);
- Changed the general rules for design requirements considering maintenance (see 4.7.1, 4.8.1 of the 2017 edition);
- Changed the definition of the maximum static load in calculating the safety factor of chains and wire ropes (see 4.8.1.1, 4.8.1.2, 2017 edition 4.9.1.1, 4.9.1.2);
- Changed the requirements for hydraulic circuits (see 4.8.2.1, 4.9.2.1 of the 2017 edition);
- Changed the method of hydraulic oil purification (see 4.8.2.3, 4.9.2.3 of the 2017 edition);
- Changed the load retention requirements (see 4.8.2.4, 4.9.2.4 of the 2017 edition);
- Changed the requirements for travel restrictions (see 4.8.4, 4.9.4 of the 2017 edition);
- Changed the measures taken by the operator space (see 4.9.1, 4.10.1 of the 2017 edition);
- Changed the protective devices of rigid pipes and hoses (see 4.9.4, 4.10.4 of the 2017 edition);
- Added requirements for installing air conditioners (see 4.9.5.4);
- Changed the requirements for seat size and adjustment (see 4.9.6.1, 4.10.6.1 of the 2017 edition);

- Changed the requirements for suspension seats (see 4.9.6.2, 4.10.6.2 of the 2017 edition);
- Changed the requirements for longitudinal stability indicators (see 4.9.8.1, 4.10.7.3 of the 2017 edition);
- Added requirements for lateral slope indicators (see 4.9.8.2);
- Deleted the channel for articulated vehicles (see 4.11.2 of the 2017 edition);
- Changed the requirements for enclosing the main entrances and exits of the driver's cab (see 4.10.2.1, 4.11.3.1 of the 2017 edition);
- Changed the requirements for heat source components (see 4.11.1, 4.12.1 of the 2017 edition);
- Changed the requirements for parts with mutual movement that the operator can touch in the normal operating position (see 4.11.2, 2017 edition 4.12.2);
- Changed the requirements for protective devices (see 4.11.3, 4.12.3 of the 2017 edition);
- Deleted the provisions on safety signs (see 4.12.4 of the 2017 edition);
- Changed the requirements for engine compartment (see 4.11.4, 4.12.5 of the 2017 edition);
- Changed the requirements for falling object protection structures (see 4.11.6, 4.12.8 of the 2017 edition);
- Changed the requirements for liftable and/or tiltable operator spaces (see 4.11.7, 4.12.9 of the 2017 edition);
- Changed the requirements for audible alarm devices (see 4.11.8, 4.12.10 of the 2017 edition);
- Changed the stability test method and requirements (see 4.12, 4.13 of the 2017 edition);
- Changed the requirements for operating field of view (see 4.13, 4.14 of the 2017 edition);
- Changed the requirements for external lighting devices (see 4.14, 4.15 of the 2017 edition);
- Changed the requirements for forklift tie-down points and their markings (see 4.16.3, 4.17.3 of the 2017 edition);
- Changed the requirements for lifting (see 4.16.4, 4.17.4 of the 2017 edition);
- Changed the noise requirements (see 4.17, 4.18 of the 2017 edition);
- Added electromagnetic compatibility requirements (see 4.18);