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Industrial variable-reach trucks — **Part 1:** **Stability tests**

Chariots de manutention à portée variable —
Partie 1: Essais de stabilité



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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this part of ISO 13562 may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

International Standard ISO 13562-1 was prepared by Technical Committee ISO/TC 110, *Industrial trucks*, Subcommittee SC 2, *Safety of powered industrial trucks*. It is based on annex A of EN 1726-1:1998.

ISO 13562 consists of the following parts, under the general title *Industrial variable-reach trucks*:

- *Part 1: Stability tests*
- *Part 2: Additional stability tests for trucks handling freight containers of length 6 m and above*

Industrial variable-reach trucks —

Part 1: Stability tests

1 Scope

This part of ISO 13562 specifies basic tests to verify the stability of industrial variable-reach fork-lift trucks.

It applies to self-propelled, seated rider operated, counterbalanced industrial variable-reach fork-lift trucks

- with non-slewing booms or with a slewing movement not greater than 5° either side of the longitudinal centre plane of the truck,
- fitted with fork arms or load-handling attachments,
- with a fixed or articulated chassis,
- that may have stabilizers, axle-locking or frame-levelling devices, and
- with two- or four-wheel or articulated steering systems.

This part of ISO 13562 is not applicable to the above trucks when they are handling suspended loads which may swing freely.

2 Normative reference

The following normative document contains provisions which, through reference in this text, constitute provisions of this part of ISO 13562. For dated references, subsequent amendments to, or revisions of, this publication do not apply. However, parties to agreements based on this part of ISO 13562 are encouraged to investigate the possibility of applying the most recent edition of the normative document indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 5353:1995, *Earth-moving machinery, and tractors and machinery for agriculture and forestry — Seat index point.*

3 Purpose of tests

3.1 Normal operating conditions

The basic tests specified in this part of ISO 13562 ensure that the type of truck specified has satisfactory stability when reasonably and appropriately used under the following normal operating conditions:

- a) stacking with the fork arms reasonably horizontal, with the truck on substantially firm, smooth, level and prepared surfaces;