

INTERNATIONAL STANDARD

**ISO
6055**

Third edition
2004-09-01

Industrial trucks — Overhead guards — Specification and testing

*Chariots de manutention — Protège-conducteurs — Spécifications et
essais*



Reference number
ISO 6055:2004(E)

© ISO 2004

PDF disclaimer

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.

This document is a preview generated by EVS

© ISO 2004

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

Contents

	Page
1 Scope	1
2 Normative references	1
3 Requirements for high lift rider trucks with lift height exceeding 1 800 mm	1
3.1 Introduction	1
3.2 General	1
3.3 Dimensions	2
3.4 Testing	6
3.4.1 General	6
3.4.2 Dynamic test	6
3.4.3 Impact drop test	6
3.4.4 Operators' legs and feet protection test	7
3.5 Performance requirements	7
4 Requirements for variable reach trucks with operator position not protected by the boom	9
4.1 Introduction	9
4.2 General	9
4.3 Dimensions	9
4.4 Testing	10
4.4.1 General	10
4.4.2 Falling objects test	10
4.4.3 Overturning test	10
4.5 Performance requirements	10
Bibliography	11

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 2.

The main task of technical committees is to prepare International Standards. 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 document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 6055 was prepared by Technical Committee ISO/TC 110, *Industrial trucks*, Subcommittee SC 2, *Safety of powered industrial trucks*.

This third edition cancels and replaces the second edition (ISO 6055:1997), it includes the contents of ISO 6055:1997 with the exception of the option for order picking trucks.

The following requirements have been added:

- impact drop testing;
- capability to add a fitting to protect against small falling objects;
- requirements for variable reach rough terrain trucks.

Industrial trucks — Overhead guards — Specification and testing

1 Scope

This International Standard specifies the requirements and testing of overhead guards, operators' legs and feet protection, roll-over protection system (ROPS) and falling-object protection system (FOPS) for any type of high lift, rider operated, powered industrial truck with a lift height exceeding 1 800 mm.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 3164, *Earth-moving machinery — Laboratory evaluations of protective structures — Specifications for deflection-limiting volume*

ISO 3449, *Earth-moving machinery — Falling-object protective structures — Laboratory tests and performance requirements*

ISO 3471, *Earth-moving machinery — Roll-over protective structures — Laboratory tests and performance requirements*

ISO 3691, *Powered industrial trucks — Safety code*

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

ISO 13564-1, *Powered industrial trucks — Test methods for verification of visibility — Part 1: Sit-on and stand-on operator trucks and variable reach trucks*

3 Requirements for high lift rider trucks with lift height exceeding 1 800 mm

3.1 Introduction

This section applies to trucks fitted with masts and variable reach trucks where the operator position is protected by the boom, i.e. the mast or boom prevents the truck from tipping more than a nominal 90°.

3.2 General

3.2.1 The overhead guard shall extend over the operator when in the normal operating position(s) as defined in ISO 3691 and when the operator is operating the controls as provided by the truck manufacturer. For overhead guards fixed to the mast, this also applies when the mast is inclined.

The control levers in their neutral position, the pedals in their released condition and the steering wheel are considered protected if they do not project in the direction of the mast more than 150 mm beyond the vertical projection of the outline of the overhead guard onto a horizontal plane; see Figure 1. Adjustable steering wheels for the driving mode shall be placed in the centre position. No account is taken of the parking brake lever in its foremost position in relation to the mast.