



FINAL DRAFT

International Standard

ISO/FDIS 22915-25

Industrial trucks — Verification of stability —

Part 25:

Rough-terrain variable-reach trucks operating in the special condition of handling freely suspended loads

Chariots de manutention — Vérification de la stabilité —

*Partie 25: Chariots tout-terrain à portée variable fonctionnant
dans la condition particulière de manutention de charges
librement suspendues*

ISO/TC 110/SC 4

Secretariat: **AFNOR**

Voting begins on:
2025-06-26

Voting terminates on:
2025-08-21

RECIPIENTS OF THIS DRAFT ARE INVITED TO SUBMIT, WITH THEIR COMMENTS, NOTIFICATION OF ANY RELEVANT PATENT RIGHTS OF WHICH THEY ARE AWARE AND TO PROVIDE SUPPORTING DOCUMENTATION.

IN ADDITION TO THEIR EVALUATION AS BEING ACCEPTABLE FOR INDUSTRIAL, TECHNOLOGICAL, COMMERCIAL AND USER PURPOSES, DRAFT INTERNATIONAL STANDARDS MAY ON OCCASION HAVE TO BE CONSIDERED IN THE LIGHT OF THEIR POTENTIAL TO BECOME STANDARDS TO WHICH REFERENCE MAY BE MADE IN NATIONAL REGULATIONS.

iTeh Standards
(<https://standards.iteh.ai>)
Document Preview

ISO/FDIS 22915-25

<https://standards.iteh.ai/catalog/standards/iso/c84af9af-3cf2-491e-9219-e130623c1260/iso-fdis-22915-25>



COPYRIGHT PROTECTED DOCUMENT

© ISO 2025

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

Contents

Page

Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	2
4 Tests	3
4.1 General	3
4.2 Test conditions	3
4.2.1 Condition of the truck	3
4.3 Tipping lines	14
4.3.1 Truck on wheels	14
4.3.2 Truck on stabilising devices	15
4.4 Test loads	17
4.4.1 General	17
4.4.2 Test 1	17
4.4.3 Test 2S	17
4.4.4 Test 3	17
4.4.5 Test 6S	17
4.5 Trucks with stabilising devices or axle locking	18
4.5.1 General	18
4.5.2 Stabilising devices	18
4.5.3 Manual axle locking	18
4.6 Lateral test slope correction	18
4.7 Lifting attachment angle	18
4.8 Pick and carry	18
4.8.1 General	18
4.8.2 Lateral	19
4.8.3 Longitudinal	19
5 Verification of stability	19
5.1 Acceptance criteria	19
5.2 Slewing rough-terrain truck	19
5.2.1 Truck on wheels	19
5.2.2 Truck on stabilizing devices	19
Annex A (informative) Sample of information for stability test report	21
Bibliography	22

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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

ISO draws attention to the possibility that the implementation of this document may involve the use of (a) patent(s). ISO takes no position concerning the evidence, validity or applicability of any claimed patent rights in respect thereof. As of the date of publication of this document, ISO had not received notice of (a) patent(s) which may be required to implement this document. However, implementers are cautioned that this may not represent the latest information, which may be obtained from the patent database available at www.iso.org/patents. ISO shall not be held responsible for identifying any or all such patent rights.

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 110, *Industrial trucks*, Subcommittee SC 4, *Rough-terrain trucks*.

A list of all parts in the ISO 22915 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

<https://standards.iteh.ai/catalog/standards/iso/c84af9af-3cf2-491e-9219-e130623c1260/iso-fdis-22915-25>

Introduction

In this document, verification of stability is intended to be the measure of resistance to overturning under rigidly-controlled static conditions that include considerations for dynamic factors for normal application and operation of a rough-terrain variable-reach truck operating in the special condition of handling freely suspended loads. Influencing factors include: mass, mass distribution, travel speed, wind actions, truck configuration for pick and carry operation, wheelbase, truck suspension, tyre and boom deflection under load.

iTeh Standards
(<https://standards.iteh.ai>)
Document Preview

[ISO/FDIS 22915-25](https://standards.iteh.ai/catalog/standards/iso/c84af9af-3cf2-491e-9219-e130623c1260/iso-fdis-22915-25)

<https://standards.iteh.ai/catalog/standards/iso/c84af9af-3cf2-491e-9219-e130623c1260/iso-fdis-22915-25>