INTERNATIONAL STANDARD

ISO 11525-4

First edition
2016-04-01

Rough-terrain trucks — User requirements —

Part 4: Additional requirements for variable-reach trucks handling freely suspended loads

Chariots tout-terrain — Exigences pour l'utilisateur —

Partie 4: Exigences supplémentaires pour les chariots à portée variable manipulant librement des charges suspendues

Reference number
ISO 11525-4:2016(E)

© ISO 2016



COPYRIGHT PROTECTED DOCUMENT

© ISO 2016, Published in Switzerland

All rights reserved. Unless otherwise specified, 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
Ch. de Blandonnet 8 • CP 401
CH-1214 Vernier, Geneva, Switzerland
Tel. +41 22 749 01 11
Fax +41 22 749 09 47
copyright@iso.org
www.iso.org

Contents

Page

Foreword ..... **iv**
Introduction ..... **v**
1 Scope **1**
2 Normative references **1**
3 Terms and definitions **1**
4 Safety requirements **2**
4.1 Principles 2
4.2 Operator's manual 2
4.3 Modifications or alterations 2
4.4 Manufacturer's bulletins 2
4.5 Operator qualifications 2
4.6 Operator's responsibility for training 2
4.7 Operator training 2
4.7.1 Additional training for handling freely suspended loads 2
4.7.2 Testing, retraining and enforcement 3
4.8 Inspection and maintenance 3
5 Operating safety rules and precautions **3**
5.1 Operator's responsibility for safety 3
5.2 Travelling with a freely suspended load 3
5.3 Picking and placing freely suspended loads 3
5.4 Using attachments to handle freely suspended loads 6
5.5 Slinger/rigger requirements 6
Bibliography **8**

© ISO 2016 – All rights reserved

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).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

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

For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information.

The committee responsible for this document is ISO/TC 110, *Industrial trucks*, Subcommittee SC 4, *Rough-terrain trucks*.

ISO 11525 consists of the following parts, under the general title *Rough-terrain trucks — User requirements*:

— *Part 1: General requirements*

— *Part 2: Slewing variable-reach trucks*

— *Part 4: Additional requirements for variable-reach trucks handling freely suspended loads*

— *Part 5: Interface between rough-terrain truck and integrated personnel work platform*

© ISO 2016 – All rights reserved

Introduction

Slewing and non-slewing variable-reach rough-terrain trucks, when permitted, may be fitted with attachments that can lift and move freely suspended loads.

© ISO 2016 – All rights reserved

Rough-terrain trucks — User requirements —

Part 4: Additional requirements for variable-reach trucks handling freely suspended loads

1 Scope

This part of ISO 11525, when used in conjunction with ISO 11525-1 or ISO 11525-2, defines specific user requirements relating to the use of non-slewing and slewing variable-reach trucks operating with freely suspended loads.

When provisions of this part of ISO 11525 are different from those which are stated in ISO 11525-1 or ISO 11525-2, the provisions of this part of ISO 11525 take precedence over the provisions of ISO 11525-1 or ISO 11525-2.

It is intended to achieve the following:

a) prevention of personal injuries, property damage and accidents;

b) establishment of criteria for inspection, maintenance, operation and training.

NOTE National or local requirements can apply, whichever could be more stringent.

General user requirements for non-slewing variable-reach trucks are given in ISO 11525-1.

General user requirements for slewing variable-reach trucks are given in ISO 11525-2.

This part of ISO 11525 is not applicable to flexible intermediate bulk containers as defined in ISO 21898.

2 Normative references

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

ISO 10896-4, *Rough-terrain trucks — Safety requirements and verification — Part 4: Additional requirements for variable-reach trucks handling freely suspended loads*

ISO 11525-1:2012, *Rough-terrain trucks — User requirements — Part 1: General requirements*

ISO 11525-2:2015, *Rough-terrain trucks — User requirements — Part 2: Slewing variable-reach trucks*

ISO 16715, *Cranes — Hand signals used with cranes*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 10896-4, ISO 11525-1 and ISO 11525-2, and the following apply.

3.1
fall zone
area below an elevated or suspended load or the attachment

© ISO 2016 – All rights reserved