
**Industrial trucks — Safety requirements
and verification —**

**Part 8:
Regional requirements for countries
outside the European Community**

Chariots de manutention — Exigences de sécurité et vérification —

*Partie 8: Exigences régionales pour les pays en dehors de la
Communauté européenne*



This document is a preview generated by EVS



COPYRIGHT PROTECTED DOCUMENT

© ISO 2012

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

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.

In other circumstances, particularly when there is an urgent market requirement for such documents, a technical committee may decide to publish other types of document:

- an ISO Publicly Available Specification (ISO/PAS) represents an agreement between technical experts in an ISO working group and is accepted for publication if it is approved by more than 50 % of the members of the parent committee casting a vote;
- an ISO Technical Specification (ISO/TS) represents an agreement between the members of a technical committee and is accepted for publication if it is approved by 2/3 of the members of the committee casting a vote.

An ISO/PAS or ISO/TS is reviewed after three years in order to decide whether it will be confirmed for a further three years, revised to become an International Standard, or withdrawn. If the ISO/PAS or ISO/TS is confirmed, it is reviewed again after a further three years, at which time it must either be transformed into an International Standard or be withdrawn.

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/TS 3691-8 was prepared by Technical Committee ISO/TC 110, *Industrial trucks*, Subcommittee SC 2, *Safety of powered industrial trucks*.

ISO 3691 consists of the following parts, under the general title *Industrial trucks — Safety requirements and verification*:

- *Part 1: Self-propelled industrial trucks, other than driverless trucks, variable-reach trucks and burden-carrier trucks*
- *Part 2: Self-propelled variable-reach trucks*
- *Part 3: Additional requirements for trucks with elevating operator position and trucks specifically designed to travel with elevated loads*
- *Part 4: Driverless industrial trucks and their systems*
- *Part 5: Pedestrian-propelled trucks*
- *Part 6: Burden and personnel carriers*
- *Part 7: Regional requirements for countries within the European Community* [Technical Specification]
- *Part 8: Regional requirements for countries outside the European Community* [Technical Specification]

Introduction

The ISO 3691 series has been developed to provide globally relevant International Standards for industrial trucks. This goal was achieved with most of the issues. Where divergent regional requirements remain, these are addressed by this part of ISO 3691 and by ISO/TS 3691-7.

ISO/TS 3691-7 addresses those legal requirements related to European Directives which could not be accepted worldwide. ISO/TS 3691-8 addresses requirements related to regulations in force in other countries that are not applicable elsewhere.

This part of ISO 3691 does not repeat all the technical rules which are state of the art and are applicable to the material used to construct the industrial truck. For these, see ISO 12100.

Industrial trucks — Safety requirements and verification —

Part 8: Regional requirements for countries outside the European Community

1 Scope

This part of ISO 3691 gives regional requirements for specific countries outside the European Community (EC) and European Economic Area (EEA) for the types of industrial trucks specified in the scopes of ISO 3691-1, ISO 3691-2, ISO 3691-3, ISO 3691-4 and ISO 3691-6.

It is intended to be used in conjunction with each of those parts of ISO 3691.

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 2330, *Fork-lift trucks — Fork arms — Technical characteristics and testing*

ISO 3691-1:2011, *Industrial trucks — Safety requirements and verification — Part 1: Self-propelled industrial trucks, other than driverless trucks, variable-reach trucks and burden-carrier trucks*

ISO 3691-2, *Industrial trucks — Safety requirements and verification — Part 2: Self-propelled variable-reach trucks*¹⁾

ISO 3691-3:—¹⁾, *Industrial trucks — Safety requirements and verification — Part 3: Additional requirements for trucks with elevating operator position and trucks specifically designed to travel with elevated loads*

ISO 3691-4, *Industrial trucks — Safety requirements and verification — Part 4: Driverless industrial trucks and their systems*¹⁾

ISO 3691-6, *Industrial trucks — Safety requirements and verification — Part 6: Burden and personnel carriers*¹⁾

ISO 5053, *Powered industrial trucks — Terminology*

ISO 20898, *Industrial trucks — Electrical requirements*

1) To be published.

ANSI/ITSDF B56 (all parts), *Safety Standard for Low Lift and High Lift Trucks*

AS 2359.2, *Industrial trucks — Operation*

AS 4983, *Gas fuel systems for forklifts and industrial engines*

AS/NZS 1891-1, *Industrial fall-arrest systems and devices — Part 1: Harnesses and ancillary equipment*

AS/NZS CISPR 14.1, *Electromagnetic Compatibility — Requirements for household appliances, electrical tools and similar apparatus — Part 1: Emission*

UL 558, *Industrial Trucks, Internal Combustion Engine-Powered*²⁾

UL 583, *Electric-Battery-Powered Industrial Trucks*²⁾

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 5053, ISO 3691-1, ISO 3691-2, ISO 3691-3, ISO 3691-4 and ISO 3691-6 apply.

4 Safety requirements and/or protective measures

4.1 Regional requirements additional to or replacing those given in ISO 3691-1, ISO 3691-2, ISO 3691-4 and ISO 3691-6

4.1.1 Normative references

The normative references of ISO 3691 are subject to regional requirements.

For North America, the cited references are normative but the normative references within the cited normative references are informative only.

4.1.2 Electrical requirements

For North America, electrical systems and equipment shall be in accordance with

- UL 558 for internal-combustion-engine powered trucks, and
- UL 583 for electric-battery-powered trucks,

applicable at the time of manufacture.

For all other regions, electrical systems and equipment shall be in accordance with ISO 20898.

4.1.3 Travel speed

4.1.3.1 Pedestrian-controlled trucks

The following applies for variable-speed pedestrian-controlled trucks.

2) Underwriters Laboratories (UL) standard.