



NSAI
Standards

Irish Standard
I.S. EN ISO 24134:2018

Industrial trucks - Additional requirements for automated functions on trucks (ISO 24134:2006)

I.S. EN ISO 24134:2018

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National Foreword

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EUROPEAN STANDARD

EN ISO 24134

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2018

ICS 53.060

Supersedes EN 1526:1997+A1:2008

English Version

Industrial trucks - Additional requirements for automated functions on trucks (ISO 24134:2006)

Chariots de manutention - Exigences supplémentaires
pour les fonctions automatiques des chariots (ISO
24134:2006)

Flurförderzeuge - Zusätzliche Anforderungen für
automatische Funktionen von Staplern (ISO
24134:2006)

This European Standard was approved by CEN on 23 March 2018.

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EN ISO 24134:2018 (E)

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European foreword

The text of ISO 24134:2006 has been prepared by Technical Committee ISO/TC 110 "Industrial trucks" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 24134:2018 by Technical Committee CEN/TC 150 "Industrial Trucks - Safety" the secretariat of which is held by BSI.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by April 2019, and conflicting national standards shall be withdrawn at the latest by April 2019.

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

This document supersedes EN 1526:1997+A1:2008.

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Endorsement notice

The text of ISO 24134:2006 has been approved by CEN as EN ISO 24134:2018 without any modification.

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INTERNATIONAL STANDARD

**ISO
24134**

First edition
2006-01-15

Industrial trucks — Additional requirements for automated functions on trucks

*Chariots de manutention — Exigences supplémentaires pour les
fonctions automatiques des chariots*



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ISO 24134:2006(E)

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 24134 was prepared by Technical Committee ISO/TC 110, *Industrial trucks*, Subcommittee SC 2, *Safety of powered industrial trucks*.

ISO 24134 is based on EN 1526:1997 and ASME B56.5A-1994:Part IV.

Industrial trucks — Additional requirements for automated functions on trucks

1 Scope

This International Standard specifies the safety requirements for controls and control systems for the following automated functions of industrial trucks:

- steering (excluding direct mechanical guidance);
- travel;
- lifting and lowering operations;
- load manipulations, e.g. rotation, reach, slewing, tilting, clamping;
- combination and/or sequence of the above movements.

NOTE The control system is generally part of the truck but can include components external to the truck, e.g. the means of guidance for automated steering.

This International Standard is intended for use in conjunction with one or more of the applicable parts of ISO 3691.

This International Standard is not applicable to, and does not include, requirements for the following:

- safety equipment (e.g. devices for height limitation, speed limitation) used to override operator control;
- operation in severe conditions (e.g. extreme climates, freezer applications, strong magnetic fields);
- operation in environments subject to special rules (e.g. potentially explosive atmospheres);
- electromagnetic compatibility;
- transportation of passengers;
- handling of loads, the nature of which could lead to dangerous situations (e.g. molten metals, acids/bases, radiating materials).

Limitations in the scopes of the applicable parts of ISO 3691 also apply to this International Standard.

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