

Safety of industrial trucks — Pedestrian propelled trucks —

Part 2: Pallet trucks

The European Standard EN 1757-2:2001 has the status of a British Standard

ICS 53.060

National foreword

This British Standard is the official English language version of EN 1757-2:2001.

The UK participation in its preparation was entrusted to Technical Committee MHE/7, Industrial trucks — Safety, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

A list of organizations represented on this committee can be obtained on request to its secretary.

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The British Standards which implement international or European publications referred to in this document may be found in the BSI Standards Catalogue under the section entitled “International Standards Correspondence Index”, or by using the “Find” facility of the BSI Standards Electronic Catalogue.

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This British Standard, having been prepared under the direction of the Engineering Sector Committee, was published under the authority of the Standards Committee and comes into effect on 15 July 2001

Summary of pages

This document comprises a front cover, an inside front cover, the EN title page, pages 2 to 19 and a back cover.

The BSI copyright date displayed in this document indicates when the document was last issued.

Amendments issued since publication

Amd. No.	Date	Comments

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ISBN 0 580 37069 0

English version

Safety of industrial trucks - Pedestrian propelled trucks - Part 2: Pallet trucks

Sécurité des chariots de manutention - Chariots manuels -
Partie 2: Transpalettes

Sicherheit von Flurförderzeugen - Handbetriebene
Flurförderzeuge - Teil 2: Handhubwagen

This European Standard was approved by CEN on 19 April 2001.

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Management Centre has the same status as the official versions.

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Foreword

This European Standard has been prepared 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 November 2001, and conflicting national standards shall be withdrawn at the latest by November 2001.

This European Standard has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EC Directive(s).

For relationship with EC Directive(s), see informative Annex Z, which is an integral part of this standard.

This European Standard is one of a series of European Standards for the safety of Industrial trucks. This series of standards includes :

EN 1175 -1	Safety of industrial trucks - Electrical requirements - Part 1 : General requirement for battery powered trucks
EN 1175-2	Safety of industrial trucks - Electrical requirements - Part 2 : General requirements for internal combustion engine powered trucks
EN 1175-3	Safety of industrial trucks - Electrical requirements - Part 3 : Specific requirements for the electrical power transmission systems of internal combustion engine powered trucks
EN 1459	Safety of industrial trucks - Self-propelled variable reach trucks
EN 1525	Safety of industrial trucks - Driverless trucks and their systems
EN 1526	Safety of industrial trucks - Additional requirements for automated functions on trucks
EN 1551	Safety of industrial trucks – Self propelled trucks over 10 000 kg capacity
EN 1726-1	Safety of industrial trucks – Self-propelled trucks up to and including 10 000 kg capacity and industrial tractors with a draw bar pull up to and including 20 000 N - Part 1 : General requirements
EN 1726-2	Safety of industrial trucks – Self-propelled trucks up to and including 10 000 kg capacity and industrial tractors with a draw bar pull up to and including 20 000 N - Part 2 : Additional requirements for trucks with elevating operator position and trucks specifically designed to travel with elevated loads
EN 1755	Safety of industrial trucks - Operation in potentially explosive atmospheres – Use in flammable gas, vapour, mist and dust
EN 1757-1	Safety of industrial trucks - Pedestrian propelled trucks - Part 1 : Stacker trucks
EN 1757-2	Safety of industrial trucks - Pedestrian propelled trucks - Part 2 : Pallet trucks
prEN 1757-3:1997	Safety of industrial trucks - Pedestrian propelled trucks - Part 3 : Platform trucks
prEN 1757-4:1997	Safety of industrial trucks - Pedestrian propelled trucks - Part 4 : Scissor lift pallet trucks
prEN 12053:2000	Safety of industrial trucks - Test methods for measuring noise emissions
EN 12895	Industrial trucks - Electromagnetic compatibility

prEN 13059:1997 Safety of industrial trucks - Test methods for measuring vibration

prEN ISO 13564:1996 Test methods for measuring visibility from self-propelled trucks (ISO/DIS
13564:1996)

Annex A is normative.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

Introduction

This standard has been prepared to be a harmonised standard to provide one means of conforming with the essential safety requirements of the Machinery Directive and associated EFTA Regulations.

This European standard is a type C standard as stated in EN 1070.

The machinery concerned and the extent to which hazards, hazardous situations and events are covered are indicated in the scope of this standard.

When provisions of this type C standard are different from those which are stated in type A or B standards, the provisions of this type C standard take precedence over the provisions of the other standards, for machines that have been designed and built according to the provisions of this type C standard.

With the aim of clarifying the intention of the standard and avoiding doubts when reading it, the following assumptions were made when producing it :

- only competent persons operate the machine
- components without specific requirements are designed in accordance with usual engineering practice and calculation code, including all failure modes.

1 Scope

1.1 This standard applies to pallet trucks as defined in 3.1 with lift heights up to 300 mm and rated capacities up to and including 2 000 kg, hereinafter referred to as "trucks".

1.2 Attachments, fixed or removable, which can be installed on the truck are not dealt with in this standard.

1.3 This standard deals with the technical requirements to minimise the hazards listed in clause 4 which can arise during commissioning, operation and maintenance of trucks when carried out in accordance with the specifications as intended by the manufacturer or his authorised representative.

In addition trucks shall comply, for the hazards not covered by this standard, with the applicable companion standards and as appropriate with EN 292.

1.4 This standard does not establish the additional requirements for :

- operation in severe conditions (e.g. extreme environmental conditions such as : freezer applications, high temperatures, corrosive environment, strong magnetic fields),
- operation subject to special rules (e.g. potentially explosive atmospheres),
- handling of loads the nature of which could lead to dangerous situations (e.g. molten metal, acids/alkalies, radiating materials, specially brittle loads),
- hazards occurring during construction, transportation, decommissioning and disposal,
- direct contact trucks with foodstuffs,
- operation on gradients or on surfaces other than smooth, level, hard surfaces,
- trucks with powered lifting.

1.5 Other possible limitations of the scope of other standards referred to that also apply to this standard.

1.6 Hazards relevant to noise, vibration, visibility and to static electricity are not dealt with in this standard.

1.7 This standard applies to trucks manufactured after the date of issue.