

## საქართველოს სტანდარტი

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სატვირთოები უკანა მხარის ამწეებით-ამწე პლატფორმები ბორბლიან  
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English Version

## Tail lifts - Platform lifts for mounting on wheeled vehicles - Safety requirements - Part 1: Tail lifts for goods

Hayons élévateurs - Plateformes élévatrices à monter sur véhicules roulants - Prescriptions de sécurité - Partie 1: Hayons élévateurs pour marchandises

Hubladebühnen - Plattformlifte für die Anbringung and Radfahrzeugen - Sicherheitsanforderungen - Teil 1: Hubladebühnen für Güter

This European Standard was approved by CEN on 30 September 2001 and includes Amendment 1 approved by CEN on 5 January 2008.

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საინფორმაციო ნაწილი. სრული ტექსტის სანახავად შეიძინეთ სტანდარტი.

## Foreword

This document (EN 1756-1:2001+A1:2008) has been prepared by Technical Committee CEN/TC 98 "Lifting platforms", the secretariat of which is held by DIN.

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of an identical text or by endorsement, at the latest by September 2008 and conflicting national standards shall be withdrawn at the latest by September 2008.

This document includes Amendment 1, approved by CEN on 2008-01-05.

This document supersedes EN 1756-1:2001.

This document 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 Annexes ZA and ZB, which are integral parts of this document.

This standard comprises two parts:

Part 1 relates specifically to tail lifts for goods (whether or not accompanied by an operator);

Part 2 covers the special requirements of tail lifts for passengers, including those with disabilities.

This part comprises ten annexes as follows:

- annex A (informative) - Tail lift mechanisms and types;
- annex B (normative) - Crushing and shearing;
- annex C (informative) - Structure and drive system;
- annex D (normative) - Drive systems - Steel wire ropes and chains;
- annex E (normative) - Examples for logicity;
- annex F (informative) - Marking;
- annex G (informative) - Unintentional operation;
- annex H (normative) - Verification by the installer;
- annex I (informative) - Overloads onto a platform at vehicle floor level;

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— Annex ZA (informative) - Relationship between this European Standard and the Essential Requirements of EU Directive 2006/42/EC;

— Annex ZB (informative) - Relationship between this European Standard and the Essential Requirements of EU Directive 2006/42/EC.

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## EN 1756-1:2001+A1:2008 (E)

This standard includes a Bibliography.

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



## Introduction

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

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

While producing this standard, it was assumed that :

- only trained persons operate the machine ;
- components without specific requirements are :
  - a) designed in accordance with the usual engineering practice and calculation codes, Including all failure modes ;
  - b) of sound mechanical and electrical construction ;
  - c) made of materials, with adequate strength and of suitable quality ;
  - d) free of defects ;
- harmful materials, such as asbestos are not used ;
- components are kept in good repair and working order, so that the required dimensions remain fulfilled despite wear ;
- by design of the load bearing elements, a safe operation of the machine is assured for loading ranging from zero to 100 % of the rated possibilities and during the tests ;
- with the exception of the items listed below, a mechanical device built according to good practice and the requirements of the standard, will not deteriorate to a point of creating a hazard without the possibility of detection ;
- the equipment is capable of operating correctly within a temperature range of -15 °C to + 40 °C ;
- a negotiation takes place between the manufacturer of the tail lift and the installer for the characteristics of the supporting wheeled vehicle (see also clause 6 of the standard), the fitting of the tail lift on the vehicle and between the installer and the user relating to the specific conditions of the use, places of use of the machinery, also some of the characteristics of the vehicle, the appropriate language ;
- the working area is adequately lit (if lighting is not provided with the tail lift) ;
- if the place of installations allows a vertical falling height of persons of more than 3 meters notwithstanding the limited travel height indicated in the scope, means external to the machine are used to limit this falling height to 3 meters.

## 1 Scope

This European Standard specifies safety requirements for design of tail lifts as defined in 3.1 for mounting on wheeled goods vehicles. It also specifies the verification of such tail lifts and the safety information that shall be provided for their use.

This European Standard deals with the technical requirements to minimize the hazards listed in clause 4 which can arise during the operation of tail lifts when carried out in accordance with the specifications as intended by the manufacturer or his authorized representative.