

# SVENSK STANDARD

## SS-EN 1756-1:2021

**Bakgavellyftar – Säkerhetskrav för bakgavellyftar för montering  
på hjulförsedda fordon –  
Del 1: Bakgavellyftar för gods**

**Tail lifts – Platform lifts for mounting on wheeled vehicles –  
Safety requirements –  
Part 1: Tail lifts for goods**



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Europastandarden EN 1756-1:2021 gäller som svensk standard. Detta dokument innehåller den officiella engelska versionen av EN 1756-1:2021.

Denna standard ersätter SS-EN 1756-1+A1:2008, utgåva 1.

The European Standard EN 1756-1:2021 has the status of a Swedish Standard. This document contains the official version of EN 1756-1:2021.

This standard supersedes the SS-EN 1756-1+A1:2008, edition 1.

## LÄSANVISNINGAR FÖR STANDARDER

I dessa anvisningar behandlas huvudprinciperna för hur regler och yttre begränsningar anges i standardiseringsprodukter.

### Krav

Ett krav är ett uttryck i ett dokumentets innehåll som anger objektivet verifierbara kriterier som ska uppfyllas och från vilka ingen avvikelse tillåts om efterlevnad av dokumentet ska kunna åberopas. Krav uttrycks med hjälpverbet **ska** (eller **ska inte** för förbud).

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En rekommendation är ett uttryck i ett dokumentets innehåll som anger en valmöjlighet eller ett tillvägagångssätt som bedöms vara särskilt lämpligt utan att nödvändigtvis nämna eller utesluta andra. Rekommendationer uttrycks med hjälpverbet **bör** (eller **bör inte** för avrådanden).

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Instruktioner anges i imperativ form och används för att ange hur något görs eller utförs. De kan underordnas en annan regel, såsom ett krav eller en rekommendation. De kan även användas självständigt, och är då att betrakta som krav.

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A requirement is an expression, in the content of a document, that conveys objectively verifiable criteria to be fulfilled, and from which no deviation is permitted if conformance with the document is to be claimed. Requirements are expressed by the auxiliary **shall** (or **shall not** for prohibition).

### Recommendation

A recommendation is an expression, in the content of a document, that conveys a suggested possible choice or course of action deemed to be particularly suitable, without necessarily mentioning or excluding others. Recommendations are expressed by the auxiliary **should** (or **should not** for dissuasion).

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An instruction is expressed in the imperative mood and is used in order to convey an action to be performed. It can be subordinated to another provision, such as a requirement or a recommendation. It can also be used independently and is then to be regarded as a requirement.

### Statement

A statement is an expression, in the content of a document, that conveys information. A statement can express permission, possibility or capability. Permission is expressed by the auxiliary **may**. There is no recommended opposite expression for the auxiliary may in standardization, prohibition is expressed by the use of **shall not** in accordance with the rules for requirements. Possibility and capability are expressed by the auxiliary **can** (its opposite being **cannot**).

EUROPEAN STANDARD

**EN 1756-1**

NORME EUROPÉENNE

EUROPÄISCHE NORM

August 2021

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Supersedes EN 1756-1:2001+A1:2008

English Version

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

Hayons élévateurs - Plates-formes élévatrices à monter  
sur véhicules roulants - Exigences de sécurité -  
Partie 1 : Hayons élévateurs pour marchandises

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

This European Standard was approved by CEN on 11 July 2021.

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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 CEN-CENELEC Management Centre has the same status as the official versions.

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EUROPÄISCHES KOMITEE FÜR NORMUNG

**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

**SS-EN 1756-1:2021 (E)**

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## SS-EN 1756-1:2021 (E)

### European foreword

This document (EN 1756-1:2021) 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 February 2022, and conflicting national standards shall be withdrawn at the latest by February 2022.

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 1756-1:2001+A1:2008.

This document has been prepared under a Standardization Request given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s) / Regulation(s).

For relationship with EU Directive(s) / Regulation(s), see informative Annex ZA, which is an integral part of this document.

The following significant changes, compared to the previous edition, have been made:

- the introduction of new terms and changed definitions for some existing terms;
- the introduction of Performance level as a concept for safety;
- support for cableless mobile control systems.

Any feedback and questions on this document should be directed to the users’ national standards body. A complete listing of these bodies can be found on the CEN website.

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

## Introduction

This document is a type-C standard as stated in EN ISO 12100.

This document is of relevance, in particular, for the following stakeholder groups representing the market players with regard to machinery safety:

- machine manufacturers (small, medium and large enterprises);
- health and safety bodies (regulators, accident prevention organizations, market surveillance, etc.).

Others can be affected by the level of machinery safety achieved with the means of the document by the above-mentioned stakeholder groups:

- machine users/employers (small, medium and large enterprises);
- machine users/employees (e.g. trade unions, organizations for people with special needs);
- service providers, e.g. for maintenance (small, medium and large enterprises);
- consumers (in case of machinery intended for use by consumers).

The above-mentioned stakeholder groups have been given the possibility to participate at the drafting process of this document.

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

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

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

While producing this document, it was assumed that:

- only trained persons operate the machine;
- components without specific requirements are:
  - designed in accordance with the usual engineering practice and calculation codes, including all failure modes;
  - of sound mechanical and electrical construction;
  - made of materials, with adequate strength and of suitable quality;
  - 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 ensured for loading ranging from zero to 100 % of the rated possibilities and during the tests;