

# SVENSK STANDARD

## SS-EN ISO 14122-1:2016



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### **Maskinsäkerhet – Fasta konstruktioner för tillträde till maskiner – Del 1: Val av fasta konstruktioner för tillträde mellan två nivåer (ISO 14122-1:2016)**

### **Safety of machinery – Permanent means of access to machinery – Part 1: Choice of fixed means and general requirements of access (ISO 14122-1:2016)**

Denna standard är såld av  
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Postadress: SEK, Box 1284, 164 29 Kista  
Telefon: 08-444 14 00.  
E-post: [sek@elstandard.se](mailto:sek@elstandard.se) Internet: [www.elstandard.se](http://www.elstandard.se)

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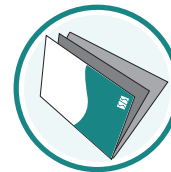
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Europastandarden EN ISO 14122-1:2016 gäller som svensk standard. Detta dokument innehåller den officiella engelska versionen av EN ISO 14122-1:2016.

Denna standard ersätter SS-EN ISO 14122-1, utgåva 1 och SS-EN ISO 14122-1/A1:2010, utgåva 1.

The European Standard EN ISO 14122-1:2016 has the status of a Swedish Standard. This document contains the official English version of EN ISO 14122-1:2016.

This standard supersedes the Swedish Standard SS-EN ISO 14122-1, edition 1 and SS-EN ISO 14122-1/A1:2010, edition 1.

**Förhållandet till övriga delar under samma huvudtitel - Utdrag ur Förord i ISO 14122-1:2016/  
Relations to other parts under the same general title - Extract from the Foreword of ISO 14122-1:2016**

ISO 14122 consists of the following parts, under the general title *Safety of machinery — Permanent means of access to machines*:

- Part 1: *Choice of fixed means and general requirements of access*
  - Part 2: *Working platforms and walkways*
  - Part 3: *Stairs, stepladders and guard-rails*
  - Part 4: *Fixed ladders*
- An additional part, dealing with mobile machinery, is under preparation*

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Denna standard är framtagen av kommittén för Maskinsäkerhet, SIS/TK 282.

Har du synpunkter på innehållet i den här standarden, vill du delta i ett kommande revideringsarbete eller vara med och ta fram andra standarder inom området? Gå in på [www.sis.se](http://www.sis.se) - där hittar du mer information.

EUROPEAN STANDARD

**EN ISO 14122-1**

NORME EUROPÉENNE

EUROPÄISCHE NORM

June 2016

ICS 13.110

Supersedes EN ISO 14122-1:2001

English Version

## Safety of machinery - Permanent means of access to machinery - Part 1: Choice of fixed means and general requirements of access (ISO 14122-1:2016)

Sécurité des machines - Moyens d'accès permanents aux machines - Partie 1: Choix d'un moyen d'accès et des exigences générales d'accès (ISO 14122-1:2016)

Sicherheit von Maschinen - Ortsfeste Zugänge zu maschinellen Anlagen - Teil 1: Wahl eines ortsfesten Zugangs zwischen zwei Ebenen (ISO 14122-1:2016)

This European Standard was approved by CEN on 29 April 2016.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

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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EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

**CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels**

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## European foreword

This document (EN ISO 14122-1:2016) has been prepared by Technical Committee ISO/TC 199 “Safety of machinery” in collaboration with Technical Committee CEN/TC 114 “Safety of machinery” 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 December 2016, and conflicting national standards shall be withdrawn at the latest by December 2016.

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

This document supersedes EN ISO 14122-1:2001.

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 EU Directive(s).

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

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, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

### Endorsement notice

The text of ISO 14122-1:2016 has been approved by CEN as EN ISO 14122-1:2016 without any modification.

## Introduction

This International Standard is a type-B standard as stated in ISO 12100.

This International Standard 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 this International Standard 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 International Standard.

In addition, this International Standard is intended for standardization bodies elaborating type-C standards.

The requirements of this International Standard can be supplemented or modified by a type-C standard.

For machines which are covered by the scope of a type-C standard, and which have been designed and built according to the requirements of that standard, the requirements of that type-C standard take precedence.

The purpose of this International Standard is to define the general requirements for safe access to machines. This part of ISO 14122 gives guidance about the correct choice of access means when the necessary access to the machine is not possible directly from the ground level or from a floor or platform.

[Annex A](#) is informative and contains “Examples of the possible changes in the machine or system to make a better access possible”.

# Safety of machinery — Permanent means of access to machinery —

## Part 1: Choice of fixed means and general requirements of access

### 1 Scope

This part of ISO 14122 gives general requirements for access to stationary machines and guidance about the correct choice of means of access when necessary access to the stationary machine is not possible directly from the ground level or from a floor.

It is applicable to permanent means of access which are a part of a stationary machine, and also to non-powered adjustable parts (e.g. foldable, slidable) and movable parts of fixed means of access.

NOTE 1 “Fixed” means of access are those mounted in such a manner (for example, by screws, nuts, welding) that they can only be removed by the use of tools.

This part of ISO 14122 specifies minimum requirements that also apply when the same means of access is required as the part of the building or civil construction (e.g. working platforms, walkways, ladders) where the machine is installed, on condition that the main function of that part of the construction is to provide a means of access to the machine.

NOTE 2 Where no local regulation or standards exist, this part of ISO 14122 can be used for means of access which are outside the scope of the standard.

It is intended that this part of ISO 14122 be used with a relevant access-specific part of ISO 14122.

The ISO 14122 series as a whole is applicable to both stationary and mobile machinery where fixed means of access are necessary. It is not applicable to powered means of access such as lifts, escalators, or other devices specially designed to lift persons between two levels.

This part of ISO 14122 is not applicable to machinery manufactured before the date of its publication.

For the significant hazards covered by this part of ISO 14122, see [Clause 4](#).

### 2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 12100, *Safety of machinery — General principles for design — Risk assessment and risk reduction*

ISO 14122-3:2016, *Safety of machinery — Permanent means of access to machines — Part 3: Stairs, stepladders and guard-rails*

ISO 14122-4:2016, *Safety of machinery — Permanent means of access to machine — Part 4: Fixed ladders*