



SLOVENSKI STANDARD

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Oprema za klavnice - Trajno nameščene dvizžne ploščadi - Zahteve za varnost in čiščenje

Equipment for slaughterhouses - Fixed elevating platforms - Safety and cleaning requirements

Einrichtungen für Schlachthäuser - Fest installierte Hebebühnen - Sicherheits- und Reinigungsanforderungen

Equipements pour les abattoirs - Plates-formes élévatrices fixes - Prescriptions relatives à la sécurité et à la nettoyabilité

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Poslopja in naprave za
predelavo in skladiščenje
kmetijskih pridelkov

Buildings and installations for
processing and storage of
agricultural produce

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en

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

DRAFT
prEN 18224

October 2026

ICS

English Version

**Equipment for slaughterhouses - Fixed elevating platforms
- Safety and cleaning requirements**

Equipements pour les abattoirs - Plates-formes
élevatrices fixes - Prescriptions relatives à la sécurité et
à la nettoyabilité

Einrichtungen für Schlachthäuser - Fest installierte
Hebebühnen - Sicherheits- und
Reinigungsanforderungen

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European foreword

This document (prEN 18224:2026) has been prepared by Technical Committee CEN/TC 153 “Machinery intended for use with foodstuffs and feed”, the secretariat of which is held by DIN.

This document is currently submitted to the CEN Enquiry.

This document has been prepared under a Standardization Request addressed to CEN by the European Commission. The Standing Committee of the EFTA States subsequently approves these requests for its Member States.

For relationship with EU Legislation, see informative Annex ZA, which is an integral part of this document.

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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 the 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.

1 Scope

1.1 This document applies to fixed elevating platforms used within the food industry when designing them. It specifies safety requirements for all types and sizes of fixed height-adjustable personnel platforms intended to move people to working positions for execution from the basket.

This document applies to fixed elevating platforms with a floor height < 3 m above ground level.

This document applies to fixed elevating platforms which maximum moving speed < 0,25 m/s in any direction.

A description of these fixed elevating platforms is given in Annex B.

These requirements take into account hazards that may arise from the transport, mounting, adjustment, maintenance and use of these fixed elevating platforms.

This document also specifies measures to prevent the consumer of the treated product from being exposed to the risk of infection and food-borne illness.

This document is applicable to design, construction and safety examinations and tests before fixed elevating platforms are first put into service.

1.2 This document does not cover the following significant hazards:

- electromagnetic compatibility;
- the use of any tool or ancillary equipment used on the fixed elevating platform.

1.3 This document does not apply:

- to the ancillary equipment installed on the platform;
- to the personal protective equipment;
- to the premises housing this machine;
- to animal skin remover machines nor to mobile elevating work platforms as defined in EN 280-1:2022.

Noise is not considered to be a significant hazard for these machines.

The list of significant hazards is given in the informative Annex C.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 354:2010, *Personal fall protection equipment — Lanyards*

EN 358:2018, *Personal protective equipment for work positioning and prevention of falls from a height — Belts and lanyards for work positioning or restraint*

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EN 360:2023, *Personal fall protection equipment — Retractable type fall arresters*

EN 795:2012, *Personal fall protection equipment — Anchor devices*

EN 1672-2:2020, *Food processing machinery — Basic concepts — Part 2: Hygiene and cleanability requirements*

EN 16165:2021, *Determination of slip resistance of pedestrian surfaces — Methods of evaluation*

EN 60204-1:2018,¹ *Safety of machinery — Electrical equipment of machines — Part 1: General requirements*

EN 60529:1991,² *Degrees of protection provided by enclosures (IP code)*

EN ISO 4413:2010, *Hydraulic fluid power — General rules and safety requirements for systems and their components (ISO 4413:2010)*

EN ISO 4414:2010, *Pneumatic fluid power — General rules and safety requirements for systems and their components (ISO 4414:2010)*

EN ISO 5774:2023, *Plastics hoses — Textile-reinforced types for compressed-air applications — Specification (ISO 5774:2023)*

EN ISO 12100:2010, *Safety of machinery — General principles for design — Risk assessment and risk reduction (ISO 12100:2010)*

EN ISO 13849-1:2023, *Safety of machinery — Safety-related parts of control systems — Part 1: General principles for design (ISO 13849-1:2023)*

EN ISO 13850:2015, *Safety of machinery — Emergency stop function — Principles for design (ISO 13850:2015)*

EN ISO 13856-3:2013, *Safety of machinery — Pressure-sensitive protective devices — Part 3: General principles for design and testing of pressure-sensitive bumpers, plates, wires and similar devices (ISO 13856-3:2013)*

EN ISO 13857:2019, *Safety of machinery — Safety distances to prevent hazard zones being reached by upper and lower limbs (ISO 13857:2019)*

EN ISO 14119:2025, *Safety of machinery — Interlocking devices associated with guards — Principles for design and selection (ISO 14119:2024)*

EN ISO 14120:2015, *Safety of machinery — Guards — General requirements for the design and construction of fixed and movable guards (ISO 14120:2015)*

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

EN ISO 18752:2025, *Rubber hoses and hose assemblies — Wire- or textile-reinforced single-pressure types for hydraulic applications — Specification (ISO 18752:2025)*

¹ As impacted by EN 60204-1:2018/A1:2025.

² As impacted by EN 60529:1991/A1:2000 and EN 60529:1991/A2:2013.

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN ISO 12100:2010 and the following apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp/>
- IEC Electropedia: available at <https://www.electropedia.org/>

3.1

basket

receptacle consisting of a floor surrounded by a guard-rail which can be moved alongside a framework with its load to the required position from which the work can be carried out

Note 1 to entry: The receptacle may have permanently ancillary equipment inside (e.g. steriliser) and outside (e.g. stairs).

3.2

gantry

fixed structure along which the basket moves vertically or at an angle

3.3

fixed elevating platform

fixed machinery intended to move persons to a vertical position to perform work from a mobile basket and consisting at least of a gantry crane and a work basket with its controls

3.4

floor

reference plane on which the operator's feet rest under normal working conditions

3.5

collection floor

reference surface to collect any liquids under the floor

3.6

ground floor

surface of the premises where the fixed elevating platform is fixed

3.7

guard-rail

device for protection against accidental fall sideways with which stairs/step ladders or landings, platforms and walkways may be equipped

[SOURCE: EN ISO 14122-3:2016, 3.2]

3.8

guides

structure or set of structures along which the basket moves horizontally (back and forth) or laterally

3.9

access device

installation for getting on or off the basket