

STN	Žeriavy Prístup	STN EN 13586 27 0042
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Cranes - Access

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 05/21

Obsahuje: EN 13586:2020

Oznámením tejto normy sa ruší
STN EN 13586+A1 (27 0042) z augusta 2008

132446

EUROPEAN STANDARD

EN 13586

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2020

ICS 53.020.20

Supersedes EN 13586:2004+A1:2008

English Version

Cranes - Access

Appareils de levage à charge suspendue - Accès

Krane - Zugang

This European Standard was approved by CEN on 16 November 2020.

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

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European foreword

This document (EN 13586:2020) has been prepared by Technical Committee CEN/TC 147 “Cranes 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of an identical text or by endorsement, at the latest by June 2021, and conflicting national standards shall be withdrawn at the latest by June 2021.

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 13586:2004+A1:2008.

The main technical changes in this edition compared to EN 13586:2004+A1:2008 are in 5.5, 5.10, 5.11, 5.13, Clause 6 and Clause 7. Clause 4 and Annex ZA have been updated to conform with the valid drafting rules. Additionally, the arrangements of figures and tables have been improved for reasons of clarity and technical and editorial accuracy.

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 2006/42/EC.

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

For the relationship with other European Standards for cranes, see Annex A.

EN 13586:2020 (E)**Introduction**

This document has been prepared to be a harmonized standard to provide one means for crane access to conform with the essential health and safety requirements of the Machinery Directive, as mentioned in Annex ZA.

This document is a type C standard as stated in EN ISO 12100:2010.

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);
- service providers, e.g. for maintenance (small, medium and large enterprises);
- machine users/employers (small, medium and large enterprises);
- health and safety bodies (regulators, accident prevention organizations, market surveillance, etc.).

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 and hazardous events are covered, are indicated in the scope of this document.

When provisions of this type C standard are different from those which are stated in a type B standard, 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.

1 Scope

This document specifies design requirements for non-powered access installed on cranes.

NOTE 1 For other type of access, a requirement for information to be supplied is specified.

Slidable, retractable means of access are excluded from the scope, except movable hoop guards.

This document covers means of access to control stations and all access required for maintenance, certain erection and dismantling operations.

For those cranes which are intended to be erected and dismantled frequently to change their places of work, specific requirements for the access needed during these operations are not covered by this document and should be given in the appropriate European Standards for specific crane types.

Lighting of means of access is not covered by this document and should be given in the appropriate European Standards for specific crane types.

NOTE 2 Specific requirements for access on particular types of cranes are given in the appropriate European Standard for the particular crane type.

The requirements given in this document do not take into account the safety distances related to:

- guarding against hazard from moving parts;
- relative movement between crane and adjacent structure or the ground/floor;
- hazardous surface temperature;
- electrical equipment.

The significant hazards covered by this document are identified in Clause 4.

This document is not applicable to cranes which are manufactured before the date of publication by CEN of this document.

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 12644-1:2001+A1:2008, *Cranes - Information for use and testing - Part 1: Instructions*

EN 13001-3-1:2012+A2:2018, *Cranes - General Design - Part 3-1: Limit States and proof competence of steel structure*

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

EN ISO 13854:2019, *Safety of machinery - Minimum gaps to avoid crushing of parts of the human body (ISO 13854:2017)*

EN ISO 14122-4:2016, *Safety of machinery - Permanent means of access to machinery - Part 4: Fixed ladders (ISO 14122-4:2016)*

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