



SLOVENSKI STANDARD
SIST EN ISO 2867:2000
01-april-2000

Earth-moving machinery - Access systems (ISO 2867:1994)

Earth-moving machinery - Access systems (ISO 2867:1994)

Erdbaumaschinen - Zugänge (ISO 2867:1994)

Engins de terrassement - Moyens d'accès (ISO 2867:1994)

Ta slovenski standard je istoveten z: EN ISO 2867:1998

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ICS:

53.100 Stroji za zemeljska dela Earth-moving machinery

SIST EN ISO 2867:2000

en

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 2867

September 1998

ICS 53.100

Descriptors: see ISO document

English version

Earth-moving machinery - Access systems (ISO 2867:1994)

Engins de terrassement - Moyens d'accès (ISO 2867:1994)

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This European Standard was approved by CEN on 26 April 1998.

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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

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

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

Foreword

The text of the International Standard from Technical Committee ISO/TC 127 "Earth-moving machinery" of the International Organization for Standardization (ISO) has been taken over as an European Standard by Technical Committee CEN/TC 151 "Construction equipment and building material machines - Safety", 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 March 1999, and conflicting national standards shall be withdrawn at the latest by March 1999.

This European Standard 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 ZB, which is an integral part of this standard.

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

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Endorsement notice

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The text of the International Standard ISO 2867:1994 has been approved by CEN as a European Standard without any modification.

NOTE: Normative references to International Standards are listed in annex ZA (normative).



Annex ZA (normative)
Normative references to international publications
with their relevant European publications

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN</u>	<u>Year</u>
ISO 3411	1982	Earth-moving machinery - Human physical dimensions of operators and minimum operator space envelope	EN 23411	1988

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Annex ZB (informative)

Clauses of this European Standard addressing essential requirements or other provisions of EU Directives

This European Standard has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association and supports essential requirements of following EU directives :

Machinery Directive 89/392/EEC,
its amendments 91/368/EEC and 93/44/EEC.

WARNING: Other requirements and other EU Directives may be applicable to the product(s) falling within the scope of this standard.

Compliance with this standard provides one means of conforming with specific essential requirements of the Directive(s) concerned and associated EFTA regulations.

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INTERNATIONAL
STANDARD

ISO
2867

Fifth edition
1994-08-15

**Earth-moving machinery — Access
systems**

Engins de terrassement — Moyens d'accès
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Reference number
ISO 2867:1994(E)

ISO 2867:1994(E)**Foreword**

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 2867 was prepared by Technical Committee ISO/TC 127, *Earth-moving machinery*, Subcommittee SC 2, *Safety requirements and human factors*.

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This fifth edition cancels and replaces the fourth edition (ISO 2867:1989), which has been technically revised.

Annex A of this International Standard is for information only.

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International Organization for Standardization
Case Postale 56 • CH-1211 Genève 20 • Switzerland

Printed in Switzerland

Earth-moving machinery — Access systems

1 Scope

This International Standard specifies criteria for access systems — steps, ladders, walkways, platforms, grab rails (handrails), grab handles, guardrails and enclosure entrance and exit openings — as they relate to aiding the operator and servicemen in performing their functions on the machinery.

It applies to access systems to the operator's station and to service points on earth-moving machinery as defined in ISO 6165 while the machinery is parked in accordance with manufacturer's instructions.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 3411:1982, *Earth-moving machinery — Human physical dimensions of operators and minimum operator space envelope*.

ISO 6165:1987, *Earth-moving machinery — Basic types — Vocabulary*.

3 Definitions

For the purposes of this International Standard, the following definitions apply.

3.1 access system: System provided on a machine for entrance to and exit from an operator, inspection or maintenance platform from and to the ground.

The primary access system is the access system normally used, while the alternative access system is the access route used during anticipated emergency situations when the primary access system cannot be used.

3.2 basic dimension: Dimensional value which takes into account human factors criteria. The actual value may vary within the specified range.

3.3 enclosure opening: Opening leading to or from an access system and large enough for a person to pass through.

3.3.1 primary opening: Opening normally used for access.

3.3.2 alternative opening: Opening for use during emergencies when the primary opening is not usable.

3.3.3 service opening: Opening for use during maintenance, service or inspection.

3.4 guardrail: Device along the open sides of walkways or platforms to protect a person from falling.

3.5 handrail and handhold: Parts of an access system that may be grasped by the hand as an aid to body support and balance.

3.5.1 handrail: Device which permits hand movement to a different location without removing the hand from the device.

3.5.2 handhold: Device for single hand placement.

3.6 slip-resistant surface: Access system surface having qualities which improve the traction obtained by the foot.