



SLOVENSKI STANDARD
SIST EN 131-3:2018

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Nadomešča:
SIST EN 131-3:2007

Lestve - 3. del: Označevanje in navodila za uporabnike

Ladders - Part 3: Marking and user instructions

Leitern - Teil 3: Kennzeichnung und Gebrauchsanweisungen

Échelles - Partie 3 : Marquage et informations destinées à l'utilisateur
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Ta slovenski standard je istoveten z: ~~SIST EN 131-3:2007~~ EN 131-3:2018

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ICS:

97.145

Lestve

Ladders

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EUROPEAN STANDARD

EN 131-3

NORME EUROPÉENNE

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English Version

Ladders - Part 3: Marking and user instructions

Échelles - Partie 3 : Marquage et instructions destinées
à l'utilisateur

Leitern - Teil 3: Kennzeichnung und
Gebrauchsanleitungen

This European Standard was approved by CEN on 22 October 2017.

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.

CEN members are the national standards bodies of 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, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.

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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 131-3:2018) has been prepared by Technical Committee CEN/TC 93 “Ladders”, 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 July 2018 and conflicting national standards shall be withdrawn at the latest by July 2018.

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 131-3:2007.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association.

Compared to EN 131-3:2007, the following changes have been made:

- a) clear distinction between provisions for safety marking on the ladder and user instructions;
- b) specification of basic safety signs in accordance with ISO 3864-2 and supplementary safety information symbols;
- c) requirements for combination ladders, extending ladders, hinge-joint ladders, telescopic ladders and mobile ladders with platform added.

This standard is part of a series of standards on “Ladders” that consists of the following parts:

- *Part 1: Terms, types, functional sizes;*
- *Part 2: Requirements, testing, marking;*
- *Part 3: Marking and user instructions;*
- *Part 4: Single or multiple hinge-joint ladders;*
- *Part 6: Telescopic ladders;*
- *Part 7: Mobile ladders with platform.*

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, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

EN 131-3:2018 (E)**1 Scope**

This European Standard advises on the safe use of ladders covered by the scope of EN 131-1 and fulfilling the requirements of EN 131-1, EN 131-2 and, for single or multiple hinged-joint ladders, EN 131-4, for telescopic ladders EN 131-6 and for mobile platform ladders EN 131-7.

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.

EN 131-1, *Ladders — Part 1: Terms, types, functional sizes*

EN 131-2, *Ladders — Part 2: Requirements, testing, marking*

EN 82079-1, *Preparation of instructions for use — Structuring, content and presentation — Part 1: General principles and detailed requirements*

EN ISO 7010, *Graphical symbols — Safety colours and safety signs — Registered safety signs (ISO 7010)*

ISO 3864-1, *Graphical symbols — Safety colours and safety signs — Part 1: Design principles for safety signs and safety markings*

ISO 3864-3, *Graphical symbols — Safety colours and safety signs — Part 3: Design principles for graphical symbols for use in safety signs*

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3 Terms and definitions

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For the purposes of the document, the terms and definitions given in EN 131-1 and EN 131-2 and the following apply.

3.1 producer
manufacturer of a product and any other person presenting himself as the manufacturer by affixing to the product his name, trade mark or other distinctive mark, or the person who reconditions the product; or

manufacturer's representative, when the manufacturer is not established in the Community or, if there is no representative established in the Community, the importer of the product; or

other professionals in the supply chain, insofar as their activities may affect the safety properties of a product

[SOURCE: Directive 2001/95/EC, Chapter 1, Article 2, e)]

3.2**distributor**

professional in the supply chain whose activity does not affect the safety properties of a product

Note 1 to entry: The producer and the distributor can be the same legal person.

[SOURCE: Directive 2001/95/EC, Chapter 1, Article 2, f), modified – The Note 1 to entry has been added.]

3.3**user**

person using the ladder

3.4**harm**

injury or damage to health of people or damage to property or the environment

[SOURCE: ISO/IEC Guide 51:2014, 3.1]

3.5**hazard**

potential source of harm

[SOURCE: ISO/IEC Guide 51:2014, 3.2]

3.6**risk**

probable rate of occurrence of a hazard causing harm and the degree of severity of that harm

[SOURCE: ISO/IEC Guide 51:2014, 3.9, modified – The Note 1 to entry was deleted.]

4 Provision of safety marking and user instructions

The producer shall be responsible for the content of the safety marking and user instructions and the provision of the instructions for each ladder. The safety marking and user instructions shall be in the language of the country where the ladder is originally placed on the market.

The user instruction shall indicate that it shall be read before using the ladder.

The distributor shall ensure that the safety marking and user instructions are provided for each ladder and that the user instructions are provided in the official languages of the country where the ladder is placed on the market.

The following list of text within supplementary safety information symbols need not be translated:

- a) max.;
- b) min.;
- c) H₂O;
- d) Oil,
- e) Up;
- f) Stop.

EN 131-3:2018 (E)**5 Reasons for accidents**

The following list of hazards and examples of their causes, which is not exhaustive, are common reasons for accidents encountered when using ladders and are the basis on which the information in this standard has been developed:

- a) loss of stability:
 - 1) incorrect choice of ladder (such as too short, unsuitable task);
 - 2) incorrect positioning of the ladder (such as incorrect angle for leaning ladder or not fully opening a standing ladder);
 - 3) slide outwards at the bottom (such as bottom of leaning ladders sliding away from the wall);
 - 4) side slip, and top flip for leaning ladders (such as overreaching or fragile top contact surface);
 - 5) falling sideways;
 - 6) condition of the ladder (such as missing anti-slip feet for leaning ladders);
 - 7) stepping off an unsecured ladder at height;
 - 8) ground conditions (such as unstable soft ground, sloping ground, slippery surfaces or contaminated solid surfaces);
 - 9) adverse weather conditions (such as windy conditions);
 - 10) collision with the ladder (such as vehicle or door);
- b) from handling:
 - 1) transferring the ladder to the work position;
 - 2) erecting and dismantling the ladder;
 - 3) carrying items up the ladder;
- c) slip, trip and fall of user:
 - 1) inappropriate footwear;
 - 2) contaminated rungs or steps;
 - 3) unsafe user practices (such as climbing two rungs at time, sliding down stiles);
 - 4) ground conditions (such as unstable soft ground, sloping ground, slippery surfaces or contaminated solid surfaces);
- d) structural failure of ladder:
 - 1) condition of the ladder (such as damaged stiles, wear, UV degradation of plastic parts);
 - 2) overloading the ladder;

- 3) unintended use;
- e) electrical hazards:
 - 1) incorrect selection of type of ladder for electrical work;
 - 2) unavoidable live working (e.g. fault finding);
 - 3) positioning ladders too close to live electrical equipment (such as overhead power lines);
 - 4) ladders damaging electrical equipment (such as covers or protective insulation).

6 Marking and user instruction

6.1 General

All marking detailed under Clause 6 shall be fixed permanently, according to EN 131-2, to the ladder surface.

In 6.3, the minimum requirements for marking and user instructions are specified.

The user instruction shall list the items to be inspected and checked. The minimum list of items is shown in Annex A. Details of how to obtain the pass/fail criteria shall be in the user instructions or marked on the ladder;

The user instruction shall be supplied with the ladder and should be made available on the producer's website also.

The user instruction shall include identity and address of the producer and/or distributor including website address.

User instructions shall repeat all safety markings which are on the ladder.

The maximum number of safety signs should be reduced to a number that users are able to identify and comply with when using the ladder.

6.2 Basic marking on the ladder

Basic marking information may be given in the form of safety signs or text. The marking shall include:

- a) identity and address of the producer and/or distributor including website address for information about the ladder;

NOTE EU Directive 2001/95/EC requires an address of the distributor inside the European Community if the producer is established outside the European Community.

- b) type of ladder and possible modes of use (description of the type, number and length of the parts, maximum length of ladder in use, maximum standing height measured in position of use according to the recommendation of the manufacturer);
- c) classification of use "professional" or "non-professional" as specified in EN 131-2;
- d) number of the general standard EN 131 or if a dedicated standard exists (e.g. a multi-hinge ladder according to EN 131-4) the number of this standard (e.g. EN 131-4).;
- e) month and year of production and/or serial number (may also be stamped);
- f) weight of the ladder (in kg) and maximal total load (in kg);

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g) insulation, if any.

Information a), b), c) and f) shall also appear on the packaging or be otherwise clearly visible to the consumer before the purchase.

6.3 Safety marking and user instructions

6.3.1 General

The basic safety marking shall be attached to all ladders and ladder parts which can be used separately as an easily viewed symbol.

The marking to indicate the top most rung/step that shall be used for standing on, shall be placed:

- on the stile of the ladder adjacent to or on the last /allowed; or
- on the first /not allowed rung/step; or
- on the label for safety marking.

NOTE 1 EU Directive 2001/45/EC requires that a secure handhold and secure support is available to the user at all times.

The user instructions shall be written in the official languages of the country where the ladder is placed on the market in accordance with EN 82079-1.

NOTE 2 According to EN 82079-1 the minimum size of text in the user instruction is 9 PT.

6.3.2 Safety signs

6.3.2.1 Basic safety signs

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The geometric shape of basic safety signs shall be in accordance with ISO 3864-1, ISO 3864-3 and be based upon the EN ISO 7010 template for safety signs with a minimum size d and h of 15 mm (see Figure 1).

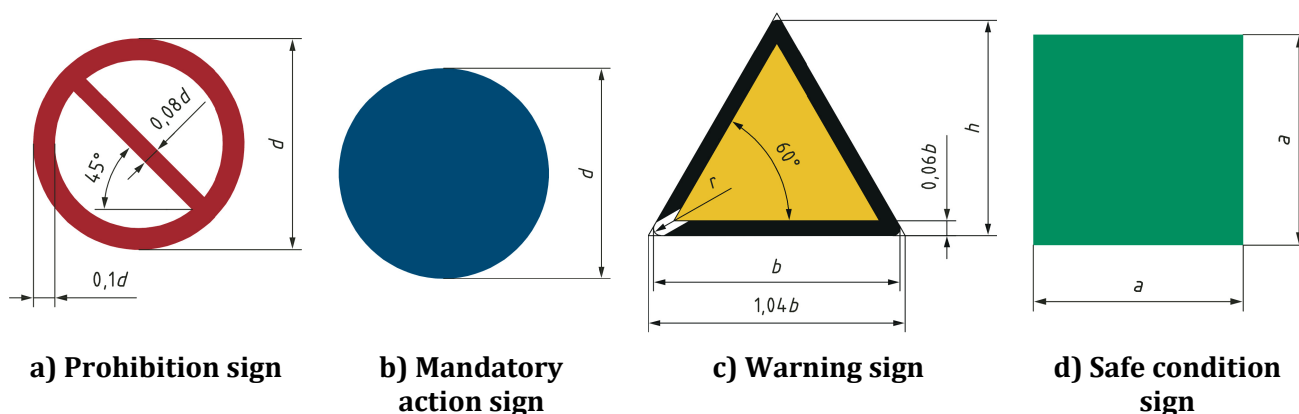


Figure 1 — Basic safety signs according to ISO 3864-1

6.3.2.2 Supplementary safety information symbols

The supplementary safety information symbols are meant to instruct the user of a ladder about what is necessary and what is not allowed for a safe use of a ladder in order to avoid accidents e.g. by falling from the ladder. "Necessary" is indicated by a green tick and "Not allowed" is indicated by a red X (see examples in Figure 2).

Compared to the basic safety signs according to 6.3.2.1 supplementary safety information symbols may include numbers, letters and more detailed (finer) symbols.

The minimum height h of supplementary safety information symbols is 15 mm.

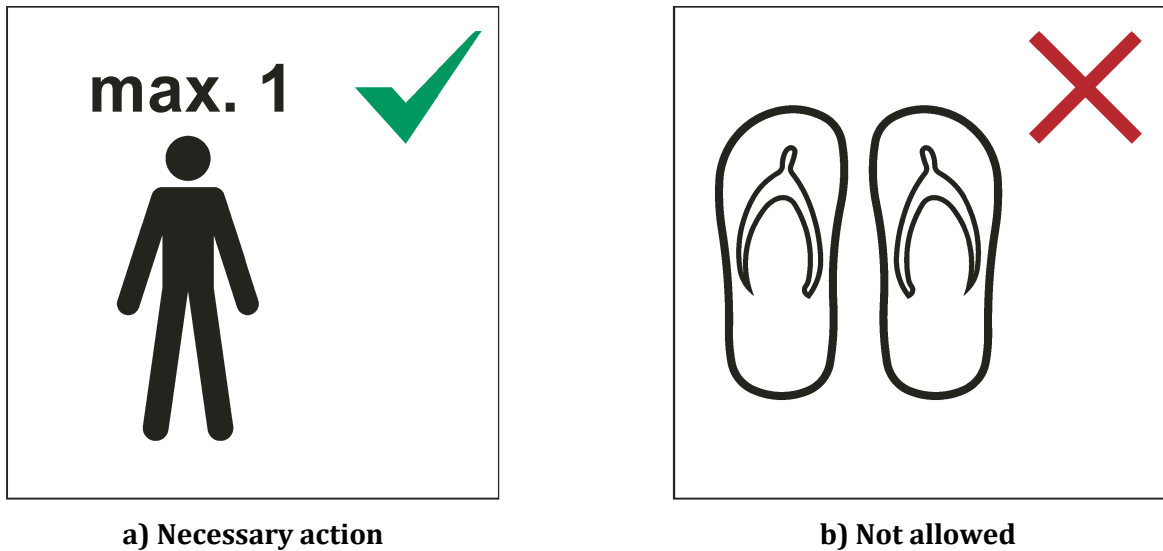


Figure 2 — Supplementary safety information symbols



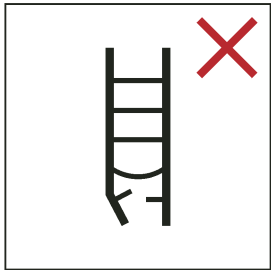

6.3.3 Basic safety marking and user instructions for all ladders
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Table 1 shows the minimum requirements for safety marking, user instructions and the mandatory symbols for all ladders.

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Table 1 — Minimum basic requirements for safety marking and user instructions for all ladders

No.	Item / Text	Safety marking (Symbol)	User instruction (Text or text and symbol)	Symbol
1	Warning, fall from the ladder. This warning sign shall appear on each marking on the ladder at the first place.	X	X	 EN ISO 7010-W008
2	Refer to instruction manual/booklet	X	X	 EN ISO 7010-M002
3	Inspect the ladder after delivery. Before every use visually check the ladder is not damaged and is safe to use. Do not use a damaged ladder.	X	X	
4	Maximum total load	X	X	

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