



SLOVENSKI STANDARD
SIST EN 131-1:2007+A1:2011
01-september-2011

Lestve - 1. del: Terminologija, tipi, funkcionalne velikosti

Ladders - Part 1: Terms, types, functional sizes

Leitern - Teil 1: Benennungen, Bauarten, Funktionsmaße

Echelles - Partie 1: Terminologie, types, dimensions fonctionnelles

Ta slovenski standard je istoveten z: EN 131-1:2007+A1:2011

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ICS:

01.040.97	Oprema za dom in trgovino. Razvedrilo. Šport (Slovarji)	Domestic and commercial equipment. Entertainment. Sports (Vocabularies)
97.145	Lestve	Ladders

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 131-1:2007+A1

June 2011

ICS 01.040.97; 97.145

Supersedes EN 131-1:2077

English Version

Ladders - Part 1: Terms, types, functional sizes

Echelles - Partie 1: Terminologie, types, dimensions
fonctionnelles

Leitern - Teil 1: Benennungen, Bauarten, Funktionsmaße

This European Standard was approved by CEN on 22 March 2007 and includes Amendment 1 approved by CEN on 5 May 2011.

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, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

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

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Contents

Page

Foreword.....	3
1 Scope	4
2 Normative references	4
3 Terms and definitions	5
4 Functional sizes	13
4.1 General.....	13
4.2 Leaning rung ladders	14
4.3 Standing rung ladders.....	17
4.4 Combination ladders	18
4.5 Leaning step ladders	20
4.6 Standing step ladders	21
4.7 Standing rung and step ladder.....	22
Annex A (informative) A-deviations.....	23
Bibliography	25

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[SIST EN 131-1:2007+A1:2011](https://standards.iteh.ai/catalog/standards/sist/ac5cef8a-67c0-4cb6-9b83-5f459789fc1d/sist-en-131-1-2007a1-2011)

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Foreword

This document (EN 131-1:2007+A1:2011) 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 December 2011, and conflicting national standards shall be withdrawn at the latest by December 2011.

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 131-1:2007](#).

This document includes Amendment 1, approved by CEN on 2011-05-05.

The start and finish of text introduced or altered by amendment is indicated in the text by tags [A1](#) and [A1](#).

This draft standard is a revised version of EN 131-1:1993. Compared to the version EN 131-1:1993 the following modifications have been made:

- a) Further terms added in Clause 3;
- b) Provisions for the platform of standing step ladders added in 4.6;
- c) Standing ladders with both steps and rungs added as 4.7.

This European Standard is one of a series about ladders. The other standards of this series are listed in Clause 2 and in the Bibliography.

On stability tests and ladder classes no consensus could be reached. These issues will be addressed in the next revision.

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, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

EN 131-1:2007+A1:2011 (E)**1 Scope**

This European Standard defines terms and specifies the general design characteristics of ladders.

It applies to portable ladders. It does not apply to step stools for which EN 14183 applies. It does also not apply to ladders designed for specific professional use such as fire brigade ladders, roof ladders and mobile ladders.

2 Normative references

The following referenced documents are indispensable for the application 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 131-2, *Ladders — Part 2: Requirements, testing, marking*

EN 131-4:2007, *Ladders — Part 4: Single or multiple hinge-joint ladders*

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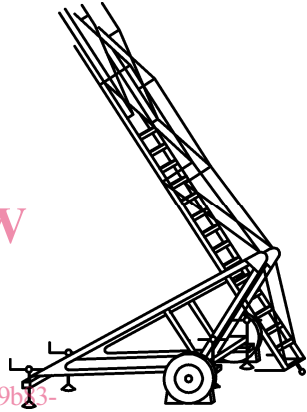
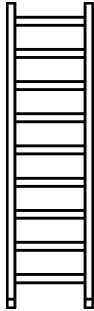
3 Terms and definitions

For the purpose of this document, the following terms and definitions following apply.

NOTE For single or multiple hinge-joint ladders the terms and definitions given in EN 131-4 apply.

Dimensions in millimetres

Table 1

No	Terms	Definition	Figure
3.1	ladder	device incorporating steps or rungs on which a person may step to ascend or descend	
3.2	portable ladder	ladder which can be transported and set up by hand	
3.3	mobile ladder	ladder which is brought to each operational place by means of mobile support	 <p>Figure 1</p>
3.4	rung ladder	portable ladder with rungs, which have a standing surface from front to back of less than 80 mm	
3.5	leaning rung ladder	rung ladder which does not have its own support	
3.6	one-piece leaning rung ladder	leaning rung ladder consisting of one part only	 <p>Figure 2</p>

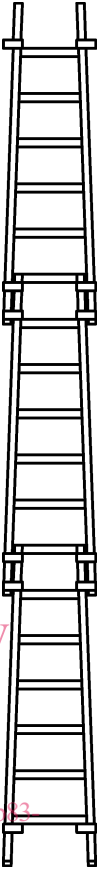
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Table 1 (continued)

Dimensions in millimetres

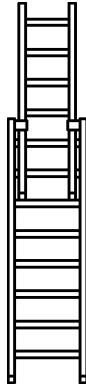
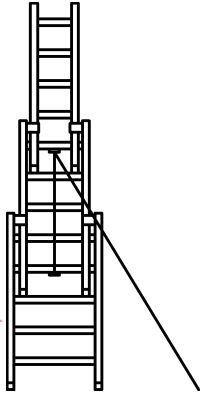

No	Terms	Definition	Figure
3.7	sectional ladder	<p>leaning ladder consisting of several sections that can be fitted together by means of connection devices</p> <p>NOTE The length can only be varied by one whole section at a time</p>	 <p style="text-align: center;">Figure 3</p>
3.8	extending ladder	<p>leaning rung ladder consisting of two or more parts and having stiles which are arranged parallel to one another in each part of the ladder</p> <p>NOTE The length may be regulated by one rung at a time</p>	

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Table 1 (continued)

Dimensions in millimetres

No	Terms	Definition	Figure
3.9	push-up extending ladder	extending ladder where the upper parts are extended by hand	 <p data-bbox="1201 797 1305 831">Figure 4</p>
3.10	rope-operated extending ladder	extending ladder where the upper parts are extended by means of a rope or other means such as chains, straps or cables	 <p data-bbox="1201 1301 1305 1335">Figure 5</p>
3.11	standing rung ladder	two-piece self-supporting rung ladder, unilaterally or bilaterally ascendable	 <p data-bbox="1201 1570 1305 1603">Figure 6</p>

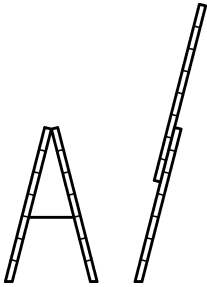
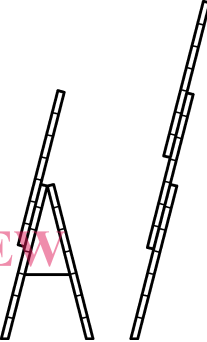
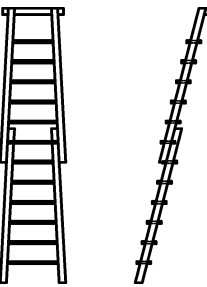
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Table 1 (continued)

Dimensions in millimetres

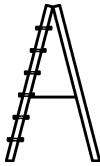
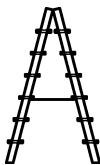

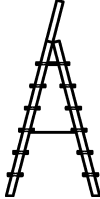
No	Terms	Definition	Figure
3.12	combination ladder	rung ladder of several parts, that can be used as, an extending ladder, a standing ladder or as a standing ladder with an extending ladder at the top, and parts of which may be used as one piece leaning ladders	 <p data-bbox="1107 696 1214 725">Figure 7</p>  <p data-bbox="1107 1144 1214 1173">Figure 8</p>
3.13	step ladder	portable ladder with steps horizontal during use and a standing surface from front to back equal to or greater than 80 mm	
3.14	leaning step ladder	step ladder that does not have its own support consisting of one or several parts	 <p data-bbox="1107 1749 1214 1778">Figure 9</p>

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Table 1 (continued)

Dimensions in millimetres

No	Terms	Definition	Figure
3.15	standing step ladder	two-legged self-supporting step ladder, unilaterally or bilaterally ascendable; with or without platform; with or without hand-/knee rail; a platform is regarded as a step	
		unilaterally ascendable step ladder	 <p data-bbox="1193 752 1311 786">Figure 10</p>
		bilaterally ascendable step ladder	 <p data-bbox="1193 999 1311 1032">Figure 11</p>
		unilaterally ascendable step ladder with platform and hand-/knee rail SIST EN 131-1:2007+A1:2011 https://standards.iteh.ai/catalog/standards/sist/ac5cef8a-67c0-4cb6-9b83-5f59789fc1d/sist-en-131-1-2007a1-2011	 <p data-bbox="1193 1290 1311 1323">Figure 12</p>
		bilaterally ascendable step ladder with platform and hand-/knee rail	 <p data-bbox="1193 1603 1311 1637">Figure 13</p>