

Ladders —

Part 1: Specification for terms, types, functional sizes

The European Standard EN 131-1:1993 has the status of a
British Standard

UDC 645.497:001.4

Cooperating organizations

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This British Standard, having been prepared under the direction of the Technical Sector Board for Building and Civil Engineering, was published under the authority of the Standards Board and comes into effect on 15 May 1993

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National foreword

This British Standard has been prepared under the direction of the Technical Sector Board for Building and Civil Engineering and is the English language version of EN 131-1:1993 *Ladders — Terms, types, functional sizes* published by the European Committee for Standardization (CEN). Together with BS EN 131-2:1993 *Ladders — Part 2: Specification for requirements, testing, marking* it supersedes class 2 of BS 1129:1990 and class 2 of BS 2037:1990 which will be deleted by amendment.

EN 131-1 was produced as a result of international discussion in which the UK took an active part.

The standard covers types of ladders covered by BS 1129 and BS 2037 and is in addition concerned with sectional ladders, mobile ladders and combination ladders not previously covered in British Standards. Ladders for special professional use, such as fire brigade ladders and mobile ladders are not covered by this standard.

It is envisaged that a new European Standard will be prepared giving recommendations for the handling and use of ladders.

With the publication of BS EN 131-1 and BS EN 131-2 Class 2 of BS 1129:1990 and Class 2 of BS 2037:1990 are now obsolescent and will be withdrawn by amendment at the end of December 1994. Until such time these classes remain current. Class 2, folding trestles under BS 1129:1990 and BS 2037:1990 are not included in BS EN 131-1 Parts 1 and 2.

In the EN text the following points are made to facilitate use of the standard.

In clause 3, Terminology:

- a) for term No. 3, Mobile ladder, the words “its own” should be added before “mobile supports” in the definition;
- b) for term No. 16, Stiles, reference should be made to Figure 14 for clarification

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

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Summary of pages

This document comprises a front cover, an inside front cover, pages i to iv, the EN title page, pages 2 to 20, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

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Descriptors: Ladders, vocabulary, schematic presentation, dimensions

English version

Ladders — Terms, types, functional sizes

Echelles — Terminologie, types, dimensions
fonctionnelles

Leitern — Benennungen, Bauarten,
Funktionsmaße

This European Standard was approved by CEN on 1993-01-25. 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.

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CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

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

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Foreword

This European Standard was prepared by the Technical Committee CEN/TC 93 “Ladders”, of which the secretariat 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 August 1993, and conflicting national standards shall be withdrawn at the latest by August 1993.

The Standard was approved and in accordance with the CEN/CENELEC Internal Regulations the following countries are bound to implement this European Standard: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Switzerland and United Kingdom.

Introduction

A European Standard on ladders which specifies functional sizes, technical requirements of safety for the materials used and their processing into the product “ladder” as well as uniform reproducible test methods, contributes to an increased protection of the consumer when using these products.

1 Scope

This European Standard gives the definitions and general terms and determines the general design characteristics of ladders, which are of importance for safety, handling, and manufacturing of the ladders and of information for the user.

It applies to portable ladders. It does not apply to ladders for special professional use such as fire-brigade ladders, roof ladders and mobile ladders.

In the working position all ladders are determined for a maximum static vertical load of 150 kg.

Ladders are to be used by one person only per ascending leg of ladder.

2 Normative references

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.

EN 131-2:1993, *Ladders — Requirements, testing, marking*.

3 Terminology

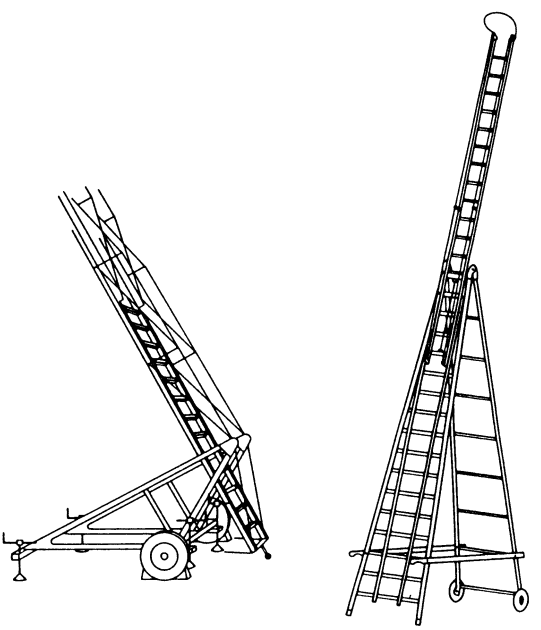
No.	Term	Definition	Figure
1	Ladder	Device incorporating steps or rungs on which a person may step to ascend or descend. NOTE Step stools are explicitly excluded from this definition.	
2	Portable ladder	Ladder which can be transported and set up by hand, without mechanical aid.	
3	Mobile ladder	Ladder which is brought to each operational place by means of mobile supports.	

Figure 1