

Swimming pool equipment - Part 2: Additional specific safety requirements and test methods for ladders, stepladders and handle bends

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

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English Version

Swimming pool equipment - Part 2: Additional specific safety requirements and test methods for ladders, stepladders and handle bends

Équipement de piscine - Partie 2: Exigences de sécurité et méthodes d'essai complémentaires propres aux échelles verticales, aux échelles à inclinaison et aux mains courantes

Schwimmbadgeräte - Teil 2: Zusätzliche besondere sicherheitstechnische Anforderungen und Prüfverfahren für Leitern, Treppenleitern und Griffbögen

This European Standard was approved by CEN on 7 November 2015.

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Contents	Page
European foreword	3
1 Scope	5
2 Normative references	5
3 Terms and definitions	5
4 Safety requirements	5
4.1 Dimensions	5
4.1.1 General	5
4.1.2 Ladders	6
4.1.3 Stepladders	7
4.1.4 Handle bends	9
4.2 Structural integrity	10
4.3 Slip resistance	11
5 Test methods	11
6 Additional instructions for use	11
Annex A (informative) Examples of easier access to the pool to address the needs of older persons and persons with disabilities	12
Bibliography	13

European foreword

This document (EN 13451-2:2015) has been prepared by Technical Committee CEN/TC 136 "Sports, playground and other recreational facilities and equipment", 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of an identical text or by endorsement, at the latest by June 2016 and conflicting national standards shall be withdrawn at the latest by June 2016.

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 13451-2:2001.

In relation to EN 13451-2:2001, the following significant modifications have been made:

- a) the scope has been updated by referring to EN 15288-1 and EN 15288-2;
- b) the normative references have been updated;
- c) the terms and definitions have been modified;
- d) dimensions for the ladder have been modified;
- e) dimensions for the step ladder have been modified;
- f) examples of easier access to the pool to address the needs of older persons and persons with disabilities has been added as an informative annex;
- g) a bibliography has been added.

EN 13451, *Swimming pool equipment*, consists of the following parts:

- *Part 1: General safety requirements and test methods;*
- *Part 2: Additional specific safety requirements and test methods for ladders, stepladders and handle bends;*
- *Part 3: Additional specific safety requirements and test methods for inlets and outlets and water/air based water leisure features;*
- *Part 4: Additional specific safety requirements and test methods for starting platforms;*
- *Part 5: Additional specific safety requirements and test methods for lane lines and dividing line;*
- *Part 6: Additional specific safety requirements and test methods for turning boards;*
- *Part 7: Additional specific safety requirements and test methods for water polo goals;*
- *Part 10: Additional specific safety requirements and test methods for diving platforms, diving springboards and associated equipment;*

- *Part 11: Additional specific safety requirements and test methods for moveable pool floors and moveable bulkheads.*

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

1 Scope

This part of EN 13451 specifies safety requirements for ladders, stepladders and handle bends in addition to the general safety requirements of EN 13451-1.

The requirements of this specific standard take priority over those in EN 13451-1.

This part of EN 13451 is applicable to manufactured ladders, stepladders and handle bends used for pool access and egress for use in classified swimming pools as specified in EN 15288-1 and EN 15288-2.

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 13451-1:2011, *Swimming pool equipment - Part 1: General safety requirements and test methods*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 13451-1:2011 and the following apply.

3.1

ladder

vertical structure with horizontal treads and two handrails used for access and egress from the water to the surrounding area

3.2

stepladder

inclined structure with horizontal treads and handrail(s) used for access and egress from the water to the surrounding area

3.3

tread

area of the step which comes into contact with the foot of the user while ascending or descending

3.4

step

horizontal component intended to bear the load of the user

3.5

handle bends

structures designed to assist access and egress from the water to the surrounding area

4 Safety requirements

4.1 Dimensions

4.1.1 General

The dimensions indicated in the Figures 1 to 3 shall be complied with. The design of the equipment does not need to comply with the examples given.

The cross section of parts designed to be gripped can be round, oval, a rounded rectangular or elliptical and shall be between 25 mm and 50 mm.