



# SLOVENSKI STANDARD

## oSIST prEN 13451-2:2013

01-december-2013

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### **Oprema za plavalne bazene - 2. del: Dodatne posebne varnostne zahteve in preskusne metode za lestve, stopnice in ročaje**

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

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

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

**Ta slovenski standard je istoveten z: prEN 13451-2**

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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 draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 136.

If this draft becomes a European Standard, 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.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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

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## Document Preview

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## Foreword

This document (prEN 13451-2:2013) 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 document is currently submitted to the CEN Enquiry.

This document will supersede EN 13451-2:2001.

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;*
- *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.*

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

- a) scope has been updated by referring to EN 15288-1 and -2;
- b) normative references have been updated;
- c) terms and definitions has 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 and persons with disabilities has been added as informative annex;
- g) bibliography has been added.

## prEN 13451-2:2013 (E)

### 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 13451-1:2011 and should be read in conjunction with it.

The requirements of this specific standard take priority over those in EN 13451-1:2011.

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 doesn't need to comply with the examples given.