

Swimming pool equipment - Part 3: Additional specific safety requirements and test methods for inlets and outlets and water/air based water leisure features

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 13451-3:2011+A3:2016 sisaldab Euroopa standardi EN 13451-3:2011+A3:2016 ingliskeelset teksti.	This Estonian standard EVS-EN 13451-3:2011+A3:2016 consists of the English text of the European standard EN 13451-3:2011+A3:2016.
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English Version

Swimming pool equipment - Part 3: Additional specific
safety requirements and test methods for inlets and
outlets and water/air based water leisure features

Équipement de piscine - Partie 3: Exigences de sécurité
et méthodes d'essai complémentaires propres aux
pièces d'aspiration et de refoulement et aux
équipements de loisirs aquatiques disposant
d'introduction et d'extraction d'eau/d'air

Schwimmbadgeräte - Teil 3: Zusätzliche besondere
sicherheitstechnische Anforderungen und
Prüfverfahren für Ein- und Ausläufe sowie Wasser-
Luftattraktionen

This European Standard was approved by CEN on 29 July 2011 and includes Amendment 1 approved by CEN on 14 June 2013, Amendment 2 approved by CEN on 6 March 2014 and Amendment 3 approved by CEN on 14 December 2015.

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COMITÉ EUROPÉEN DE NORMALISATION
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CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

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European foreword

This document (EN 13451-3:2011+A3:2016) 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of an identical text or by endorsement, at the latest by August 2016, and conflicting national standards shall be withdrawn at the latest by August 2016.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 includes Amendment 1, approved by CEN on 2013-06-14, Amendment 2, approved by CEN on 2014-03-06 and Amendment 3, approved by CEN on 2015-12-14.

This document supersedes A3 EN 13451-3:2011+A2:2014 A3.

The start and finish of text introduced or altered by amendment is indicated in the text by tags A1 A1, A2 A2 and A3 A3.

The European Standard EN 13451 *Swimming pool equipment* consists of:

- *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.*

A3 *deleted text* A3

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.

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1 Scope

This European Standard specifies safety requirements and test methods for inlets and outlets for water/air and water/air based leisure features involving water movement, in addition to the general safety requirements of EN 13451-1:2011.

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

This part of EN 13451 is applicable to swimming pool equipment designed for:

- the introduction and/or extraction of water for treatment or leisure purposes;
- the introduction of air for leisure purposes;
- water leisure features involving the movement of water.

NOTE The above items are identified with the general term devices.

2 Normative references

[A1] 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. **[A1]**

EN 1069-1, *Water slides — Part 1: Safety requirements and test methods*

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

EN 15288-1, *Swimming pools — Part 1: Safety requirements for design*

EN 15288-2, *Swimming pools — Part 2: Safety requirements for operation*

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

floor/wall inlet

device designed to be installed into the pool floor/wall for introducing water/air in the pool

3.2

floor water outlet

device designed to be installed into the pool floor, for the extraction of water, by gravity or by suction

3.3

wall water outlet

device designed to be installed into the pool wall for the extraction of water, by gravity or by suction

3.4

sump

vessel between the suction outlet grille and the suction outlet piping, manufactured or field built