



**NSAI**  
Standards

Irish Standard  
I.S. EN 15649-3:2009+A1:2012

# Floating leisure articles for use on and in the water - Part 3: Additional specific safety requirements and test methods for Class A devices

## I.S. EN 15649-3:2009+A1:2012

*Incorporating amendments/corrigenda/National Annexes issued since publication:*  
EN 15649-3:2009/A1:2012

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S.R. xxx: Standard Recommendation - recommendation based on the consensus of an expert panel and subject to public consultation.

SWIFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

*This document replaces:*  
EN 15649-3:2009

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English Version

## Floating leisure articles for use on and in the water - Part 3: Additional specific safety requirements and test methods for Class A devices

Articles de loisirs flottants à utiliser sur ou dans l'eau -  
Partie 3: Exigences de sécurité et méthodes d'essai  
complémentaires propres aux dispositifs de Classe A

Schwimmende Freizeitartikel zum Gebrauch auf und im  
Wasser - Teil 3: Zusätzliche besondere  
sicherheitstechnische Anforderungen und Prüfverfahren für  
Artikel der Klasse A

This European Standard was approved by CEN on 11 September 2009 and includes Amendment 1 approved by CEN on 29 November 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, Turkey and United Kingdom.



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## Foreword

This document (EN 15649-3:2009+A1:2012) 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 July 2012, and conflicting national standards shall be withdrawn at the latest by July 2012.

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.

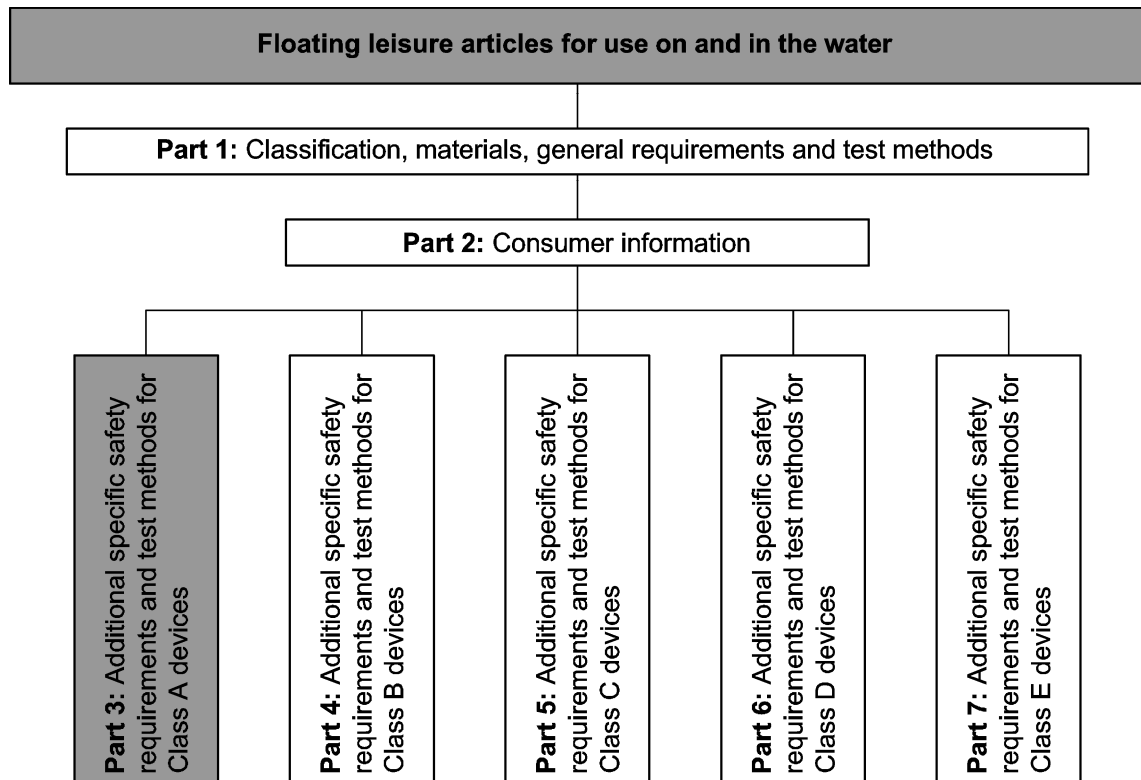
This document includes Amendment 1, approved by CEN on 2011-11-29.

This document supersedes EN 15649-3:2009.

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

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association.

This European Standard is one of a series consisting of seven standards dealing with floating leisure articles for use on and in the water.



Compliance of a product to this standard requires that the requirements of the relevant specific part and additionally, the requirements of EN 15649-1 and EN 15649-2 shall be met. If a product includes multiple use related to several classes it has to meet the requirements of all these classes.

Annex A is informative.

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, Turkey and United Kingdom.

## Introduction



### Interior Structure Class A

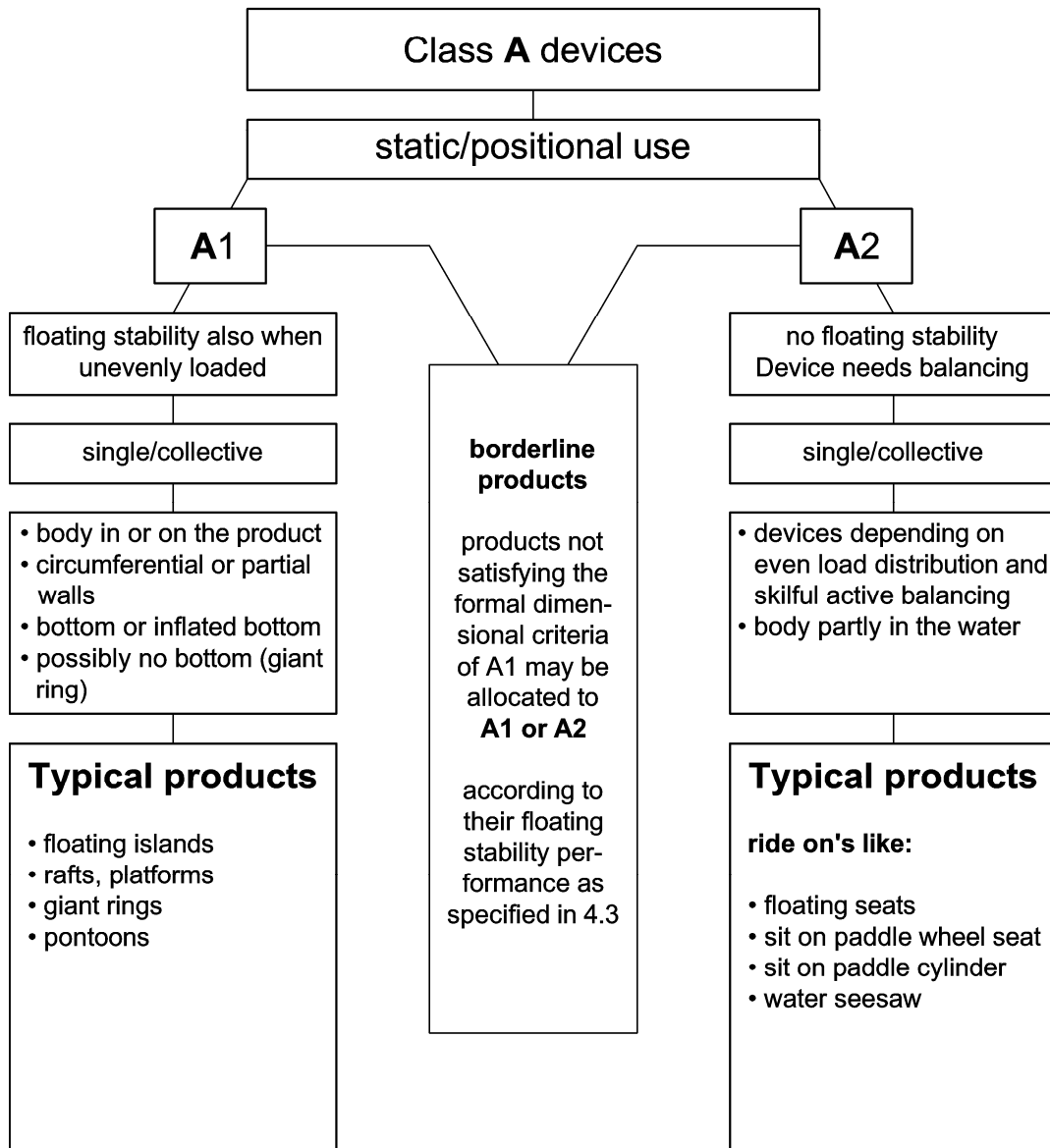


Table 1 — Introductory risk analysis

Class	<sup>A1</sup> Typical products	Place of usage	Function; range of usage; target / age group	Type of movement / propulsion	Position of user regarding equipment and elevation above water	Predictable misuse	Partial risk related to water environment	Final risk	1.1 Protection aims; 1.2 Related standard / regulation
A1	floating inflatable lands; recreational raft; platform/pontoon, etc	sea shore, close to shore; lakes; smoothly running rivers; public / private pools; ponds	relaxing, resting on the water; sunbathing; basis for bathing and swimming / playing; device providing high level of floating stability; single and collective use; all age groups, swimmers	static use within limited area; little action; movement by pushing through swimming strokes only; no mechanical means of propulsion	on or in (side walls) the device, laying, sitting, no direct body fit; grab handles might exist but resting does not depend on gripping / balancing; no dangerous height of fall	dangerous distance from the bank / shore; use in currents and/or dangerous offshore winds; use by non-swimmers; fall over board; no diving platform!	unnoticed drifting to open waters; falling asleep and consequently extreme sunburn, etc.; capsizing; skin irritation due to long duration of skin contact / dangerous substances in contact with skin; climbing back?; hypothermia; cold shock	D R O  W N I N G	floating stability; minimum buoyancy; residual buoyancy; space, safety handles/ lines; anchorage; warning notes, labelling, swimmers only, age restriction according to EN ISO 6185-1, EN ISO 6185-2 and EN ISO 6185-3
A2	Large buoyant structures	sea shore / close to shore, lakes, public / private pools; ponds	action, playing in the water; balancing children; collective and single use; all age groups, swimmers	drifting; propulsion only by swimming strokes or third party	on the device; loose fit via handles; no dangerous height	use by non-swimmers; use in current, canal, lack of supervision	drifting away in open waters due to wind and/or current; devices provokes use in deep; used by non-swimmers; falling into deep water		labelling, residual buoyancy, grab handles, supervision; warnings
1/2	air mattress for use in water; floatable pool loungers; floating seating structures; giant rings / tubes <sup>A1</sup>	sea shore close to the shore; lakes, public / private pools; ponds sea	resting on the water; observation of under water environment; play; mainly single use; floating stability depends on design; all age groups, swimmers	normally no mechanical means of propulsion but possible; drifting or propulsion by swimming strokes; seats might be equipped with pedals (wheel propulsion)	On/in the device; device is clung on; device is held; mainly a near horizontal posture sitting; no relevant elevation above water level	see above	see above		See A1/A2  no rule is known to provide technical substance



## 1 Scope

This European Standard is applicable for CLASS A classified floating leisure articles for use on and in water according to EN 15649-1 regardless whether the buoyancy is achieved by inflation or inherent buoyant material.

This document (EN 15649-3) is applicable with EN 15649-1 and EN 15649-2.

NOTE 1 Typical products forming Class A:

- "Floating Islands" in near round or square shaped forms decorated with palm tree, sun shade, etc. high superstructure;
- large floats/rafts in various forms from round to square;
- large floating tubes, giant tubes (inflatable or inherently buoyant);
- floating arm chairs, seats and sun beds;
- air mattresses for use on the water;
- A1 *deleted text* A1
- recreational rafts / floating platforms / pontoons.

NOTE 2 Typical places for application:

- pools;
- protected areas of lakes, ponds;
- protected area sea shore (no offshore winds, no currents).

## 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.

A1 EN 15649-1:2009+A1:2012 A1, *Floating leisure articles for use on and in the water — Part 1: Classification, materials, general requirements and test methods*

EN 15649-2, *Floating leisure articles for use on and in the water — Part 2: Consumer information*

## 3 Terms and definitions

For the purposes of this document, the terms and definitions given in A1 EN 15649-1:2009+A1:2012 A1 and the following apply.

### 3.1

#### **residual buoyancy**

provision of remaining buoyancy in case of a defect of any buoyancy chamber

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