

Irish Standard I.S. EN ISO 25649-3:2017

Floating leisure articles for use on and in the water - Part 3: Additional specific safety requirements and test methods for Class A devices (ISO 25649-3:2017)

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I.S. EN ISO 25649-3:2017

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National Foreword

I.S. EN ISO 25649-3:2017 is the adopted Irish version of the European Document EN ISO 25649-3:2017, Floating leisure articles for use on and in the water - Part 3: Additional specific safety requirements and test methods for Class A devices (ISO 25649-3:2017)

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EUROPEAN STANDARD

EN ISO 25649-3

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October 2017

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Supersedes EN 15649-3:2009+A1:2012

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 (ISO 25649-3:2017)

Articles de loisirs flottants à utiliser sur ou dans l'eau-Partie 3: Exigences de sécurité et méthodes d'essai complémentaire propre aux dispositifs de Classe A (ISO 25649-3:2017) Schwimmende Freizeitartikel zum Gebrauch auf und im Wasser - Teil 3: Zusätzliche besondere sicherheitstechnische Anforderungen und Prüfverfahren für Artikel der Klasse A (ISO 25649-3:2017)

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Contents	Page
European foreword	3

European foreword

This document (EN ISO 25649-3:2017) has been prepared by Technical Committee ISO/TC 83 "Sports and other recreational facilities and equipment" in collaboration with 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of an identical text or by endorsement, at the latest by April 2018, and conflicting national standards shall be withdrawn at the latest by April 2018.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

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INTERNATIONAL STANDARD

ISO 25649-3

First edition 2017-08

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 complémentaire propre aux dispositifs de Classe A





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Co	ntent	ts		Page		
Fore	eword			iv		
Intr	oductio	on		v		
1	Scor	ne		1		
_	-					
2			eferences			
3			efinitions			
4			rements and test methods			
	4.1		al			
	4.2	Design 4.2.1	n, sizing, admissible number of users and maximum load capacity General			
		4.2.1	Sizing			
		4.2.3	A1-products, space per person and admissible number of users			
		4.2.4	A2-products, space per person and admissible number of users			
	4.3		er performance	5		
		4.3.1	Amount of buoyancy and stable floating position			
		4.3.2	Residual buoyancy of devices claiming floating stability (CASES A, B)	6		
		4.3.3	Residual buoyancy of floating leisure articles not claiming floating stability (CASES C, D)	8		
		4.3.4	Capsizing and escape			
		4.3.5	Grab handles and safety lines (not applicable to air mattresses)	9		
		4.3.6	Re-embarkation from the water in normal use and failure of one air chamber in CASE A1			
		4.3.7	Extreme high super structure (wind, drift)			
		4.3.8	Anchorage			
		4.3.9	Giant rings with bottom, strength of entire device	11		
5	Consumer information					
	5.1	Genera	al	11		
	5.2					
	5.3	Consu	mer information on the product (information related to safe use)	12		
	5.4	Consu 5.4.1	mer information by instructions for use (separate written information) General			
		5.4.1				
			Assembly (if applicable)			
		5.4.4	Maintenance and repair (if applicable)	12		
6	Tost					
7		-				
-			e) Examples of typical products forming Class A			
	•					
DIUI	iograpi	ц у		13		

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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ISO 25649-3 was prepared by the European Committee Standardization (CEN) Technical Committee CEN/TC 136, *Sports, playground and other recreational facilities and equipment,* in collaboration with ISO Technical Committee TC 83, *Sports and other recreational facilities and equipment,* in accordance with the agreement on technical cooperation between ISO and CEN (Vienna Agreement).

A list of all the parts in the ISO 25649-series can be found on the ISO website.

Introduction

According to the nature and the intended use of the products dealt with in this document the technical requirements are focused on space per person, floating stability matters and residual buoyancy in case of an emergency.

It needs to be taken into account that some of the products provide dual or multiple use features.

Comprehensive consumer information requirements complete the requirement profile of the document and include basic purchase information on whether a product provides floating stability or needs to be balanced by the user.

Interior Structure Class A Class A devices static/positional use **A**1 **A**2 floating stability also when no floating stability unevenly loaded Device needs balancing borderline single/collective single/collective products body in or on the product devices depending on products not circumferential or partial even load distribution and satisfying the walls skilful active balancing formal dimen- bottom or inflated bottom body partly in the water sional criteria possibly no bottom (giant of A1 may be ring) allocated to A1 or A2 **Typical products Typical products** according to their floating ride on's like: floating islands stability per- rafts, platforms formance as • giant rings floating seats specified in 4.3 • pontoons • sit on paddle wheel seat • sit on paddle cylinder · water seesaw

Risk assessment for this document is shown in <u>Table 1</u>.

 $Table\ 1-Introductory\ risk\ analysis$

Class	Typical products	Place of usage	Function; range of usage; target/age group	Type of movement / propulsion	Position of user regarding equipment and eleva- tion above water	Predictable misuse	Partial risk related to water envi- ronment	Final risk	1.1 Protection aims; 1.2 Related standard/regulation
A1	flatable is- lands; recre- ational raft; platform/	close to shore; lakes; smoothly running rivers; pub-	basis for	within limited area; little action; movement by pushing through swimming strokes only;	walls) the de- vice, laying,	Dangerous distance from the bank/ shore; use in currents and/ or dangerous offshore winds; use by non-swimmers; fall over board; no diving platform!	drifting to open wa- ters; falling asleep and consequent- ly extreme sunburn, etc.; capsizing; skin irritation due		Floating stability; minimum buoyancy; residual buoyan-cy; space, safety handles/lines; anchorage; warning notes, labelling, swimmers only, age restriction according to ISO 6185-1, ISO 6185-2 a n d ISO 6185-3
A2		shore, lakes, public/ pri-	balancing	pulsion only by swimming strokes or	handles; no	Use by non-swim- mers; use In current, canal, lack of super- vision	due to wind and/or cur-	DROWN- ING	Labelling, residual buoyancy, grab han- dles, su- pervision; warnings
A1/A2	tress for use in water; floatable	close to the shore; lakes, public/ pri- vate pools;	the water; ob- servation of under water environment; play; mainly single use;	mechanical means of pro- pulsion but possible; drift- ing or propul- sion by swim- ming strokes;	On/in the device; device is clung on; device is held; mainly a near horizontal posture sitting; no relevant elevation above water level		See A1/A2		See A1/A2 No rule is known to provide technical substance

Floating leisure articles for use on and in the water —

Part 3:

Additional specific safety requirements and test methods for Class A devices

1 Scope

This document is applicable for CLASS A classified floating leisure articles for use on and in water according to ISO 25649-1 regardless whether the buoyancy is achieved by inflation or inherent buoyant material.

This document is to be applied with ISO 25649-1 and ISO 25649-2.

NOTE 1 Typical products forming Class A (see Annex 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;
- 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 documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

ISO 25649-1:2017, Floating leisure articles for use on and in the water — Part 1: Classification, materials, general requirements and test methods

ISO 25649-2, 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 ISO 25649-1 and the following apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at http://www.iso.org/obp



Product Page

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