
**Plavajoči pripomočki za prosti čas, ki se uporabljajo na vodi in v njej - 3. del:
Dodatne posebne varnostne zahteve in preskusne metode za pripomočke razreda
A (ISO/DIS 25649-3:2021)**

Floating leisure articles for use on and in the water - Part 3: Additional specific safety requirements and test methods for Class A devices (ISO/DIS 25649-3:2021)

Schwimmende Freizeitartikel zum Gebrauch auf und im Wasser - Teil 3: Zusätzliche besondere sicherheitstechnische Anforderungen und Prüfverfahren für Artikel der Klasse A (ISO/DIS 25649-3:2021) **(standards.iteh.ai)**

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/DIS 25649-3:2021)

Ta slovenski standard je istoveten z: prEN ISO 25649-3

ICS:

97.220.40	Oprema za športe na prostem in vodne športe	Outdoor and water sports equipment
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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*

ICS: 97.220.40

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ISO/DIS 25649-3:2021(E)

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

This second edition cancels and replaces the first edition (ISO 25649-3:2017), which has been technically revised.

The main changes compared to the previous edition are as follows:

- The dated references in the entire document are updated;
- Modification of the sub-[clause 4.3.6](#) title;
- Sub-[clause 4.3.7.1](#), modification of the requirements for Class A products - superstructure;
- Sub-[clause 4.3.8](#), modification of the title and requirements :
 - Creation of new sub-clauses (from [4.3.8.1.1](#) to [4.3.8.1.4](#)) to include other fixation methods.
- Sub-[clause 5.4.2](#), modification of the text according to sub-[clause 4.3.8.1](#);
- Addition of an informative [Annex ZA](#) regarding correspondence between this European Standard and Commission Decision No 2005/323/EC of 21/04/2005.

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

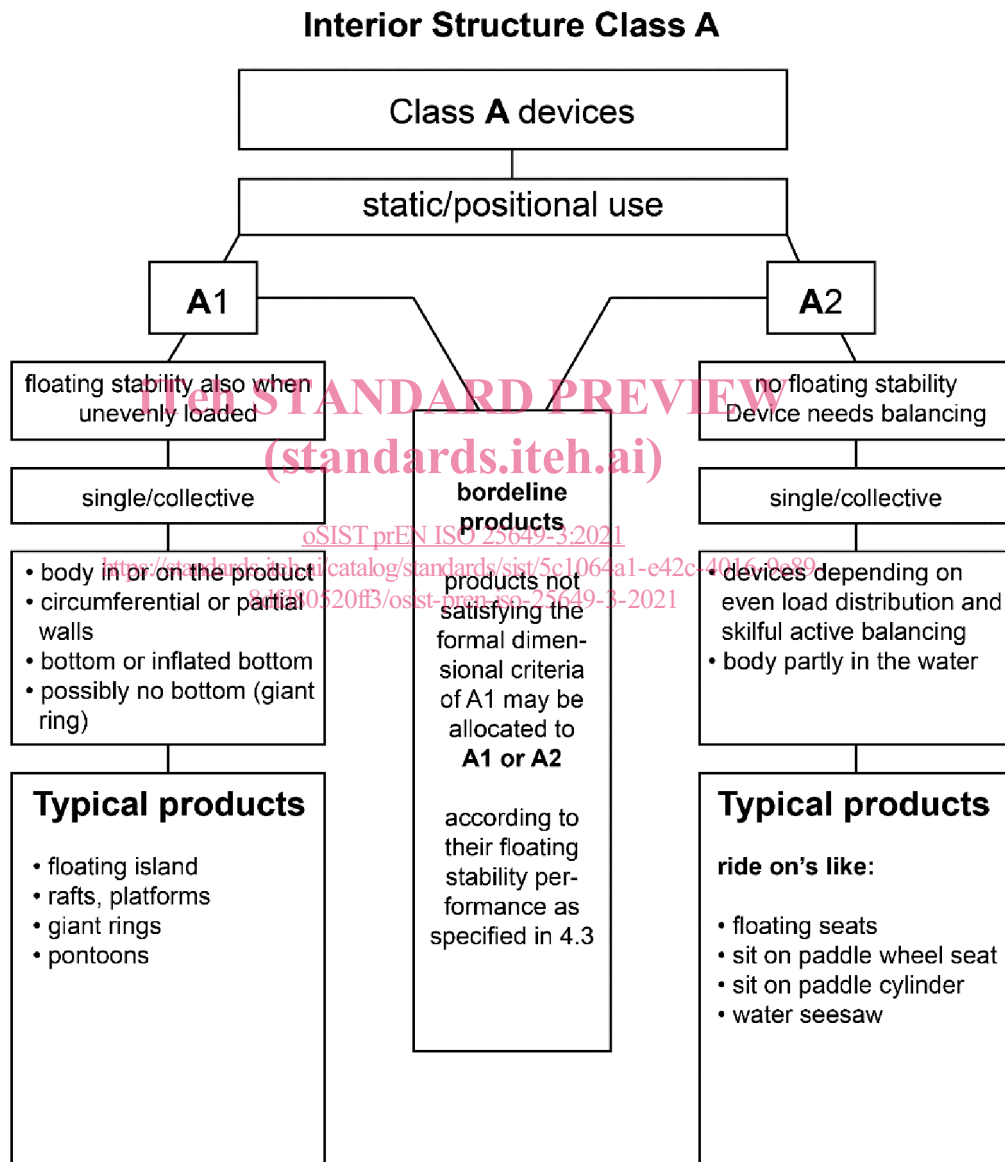
Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

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.



Risk assessment for this document is shown in [Table 1](#).

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 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 islands; 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		Floating stability; minimum buoyancy; residual buoyancy; space, safety handles/lines; anchorage; warning notes, labelling, swimmers only, age restriction according to ISO 6185-1, ISO 6185-2 and 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	DROWNING	Labeling, residual buoyancy, grab handles, supervision; warnings

Table 1 (continued)

Class	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/A2	Air mattress for use in water; floatable pool loungers; floating seating structures; giant rings/tubes	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 A1/A2	See A1/A2		See A1/A2 No rule is known to provide technical substance

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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 25649-1:20xx regardless whether the buoyancy is achieved by inflation or inherent buoyant material.

This document is to be applied with ISO 25649-1:20xx and ISO 25649-2:20xx.

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.

ISO 25649-1:20xx, *Floating leisure articles for use on and in the water — Part 1: Classification, materials, general requirements and test methods*

ISO 25649-2:20xx, *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 25649-1:20xx and the following apply.

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

- ISO Online browsing platform: available at <https://www.iso.org/obp>