

TÄISPUHUTAVAD KUMMIPAADID. OSA 3: ALLA 8 M
KEREPIKKUSEGA NING 15 KW JA SUUREMA MOOTORI
NIMIVÕIMSUSEGA PAADID

Inflatable boats - Part 3: Boats with a hull length less
than 8 m with a motor rating of 15 kW and greater (ISO
6185-3:2014)

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN ISO 6185-3:2018 sisaldab Euroopa standardi EN ISO 6185-3:2018 ingliskeelset teksti.	This Estonian standard EVS-EN ISO 6185-3:2018 consists of the English text of the European standard EN ISO 6185-3:2018.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
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English Version

**Inflatable boats - Part 3: Boats with a hull length less than
8 m with a motor rating of 15 kW and greater (ISO 6185-
3:2014)**

Bateaux pneumatiques - Partie 3: Bateaux d'une
longueur de coque inférieure à 8 m et d'une puissance
moteur assignée supérieure ou égale à 15 kW (ISO
6185-3:2014)

Aufblasbare Boote - Teil 3: Boote mit einer Rumpflänge
unter 8 m mit einer Motorleistung von mindestens 15
kW (ISO 6185-3:2014)

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COMITÉ EUROPÉEN DE NORMALISATION
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CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

European foreword

The text of ISO 6185-3:2014 has been prepared by Technical Committee ISO/TC 188 “Small craft” of the International Organization for Standardization (ISO) and has been taken over as EN ISO 6185-3:2018.

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of an identical text or by endorsement, at the latest by March 2019, and conflicting national standards shall be withdrawn at the latest by March 2019.

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For relationship with EU Directive 2013/53/EU, see informative Annex ZA, which is an integral part of this document.

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Endorsement notice

The text of ISO 6185-3:2014 has been approved by CEN as EN ISO 6185-3:2018 without any modification.

Annex ZA (informative)

Relationship between this European Standard and the Essential Requirements of Directive 2013/53/EU aimed to be covered

This European standard has been prepared under a Commission's standardization request M/542 C(2015) 8736 final to provide one voluntary means of conforming to Essential Requirements of Directive 2013/53/EU.

Once this standard is cited in the Official Journal of the European Union under that Directive, compliance with the normative clauses of this standard given in Table ZA.1 confers, within the limits of the scope of this standard, a presumption of conformity with the corresponding Essential Requirements of that Directive and associated EFTA regulations.

Table ZA.1 — Correspondence between this European Standard and Annex I of Directive 2013/53/EU

Essential Requirements of Directive 2013/53/EU	Clause(s)/sub-clause(s) of this EN	Remarks/Notes
Annex I, Part A, 1 - Watercraft design categories	3.12 except note 1 to entry	Disregard note to Clause 3.12
Annex I, Part A, 2.1 - Craft identification	9	
Annex I, Part A, 2.2 - Builder's plate	9	
Annex I, Part A, 2.3 - Protection from falling overboard and means of reboarding	6.2, 7.9, 7.14, 10	
Annex I, Part A, 2.4 - Visibility from the main steering position	7.10	
Annex I, Part A, 2.5 - Owner's manual	10, 11	Maintenance and repair information shall be provided in the owner's manual
Annex I, Part A, 3.1 - Structure	5, 6.1, 6.2, 6.3, 6.4, 6.5, 6.6, 6.9, 6.10, 6.15, 7.6, 7.7, 7.12, 7.13, 8	
Annex I, Part A, 3.2 - Stability and freeboard	7.3, 7.4	Design Category B, C and D only. Apply EN ISO 12217 for Category A
Annex I, Part A, 3.3 - Buoyancy and flotation	6.4, 7.4, 7.5, 7.6	
Annex I, Part A, 3.4 - Openings in hull, deck and superstructure	6.17	
Annex I, Part A, 3.5 - Flooding	6.7, 7.3, 7.4, 8.5, 8.7	
Annex I, Part A, 3.6 - Manufacturer's maximum recommended load	7.1, 7.2	
Annex I, Part A, 3.7 - Liferaft stowage	7.11	

Annex I, Part A, 3.9 - Anchoring, mooring and towing	6.9	
Annex I, Part A, 4 - Handling characteristics	7.8, 8.3, 8.6	
Annex I, Part A, 5.1 - Engines and engine compartments	6.12, 6.14	
Annex I, Part A, 5.2 - Fuel system and fuel tanks	6.12, 6.13, 6.14	
Annex I, Part A, 5.3 - Electrical system	6.11	
Annex I, Part A, 5.4 - Steering system	6.8, 7.13	
Annex I, Part A, 5.5 - Gas system	6.18	
Annex I, Part A, 5.6 - Fire protection	6.12, 6.16	
Annex I, Part A, 5.7 - Navigation lights	6.19	
Annex I, Part A, 5.8 - Discharge prevention and installations facilitating the delivery ashore of waste	6.7, 6.20	

WARNING 1 — Presumption of conformity stays valid only as long as a reference to this European Standard is maintained in the list published in the Official Journal of the European Union. Users of this standard should consult frequently the latest list published in the Official Journal of the European Union.

WARNING 2 — Other Union legislation may be applicable to the product(s) falling within the scope of this standard

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Introduction

ISO 6185 is subdivided into four parts as shown in [Figure 1](#). It excludes:

- single-chambered boats;
- boats < 1 800 N buoyancy; and
- boats made from unsupported materials > 12 kN inflated buoyancy and powered by motors > 4, 5 kW.

It is not applicable to:

- aquatic toys; and
- inflatable liferafts.

ISO 6185-1:

- Type I Boats with $L_H < 8$ m propelled exclusively by manual means.
- Type II Powered boats with $L_H < 8$ m with a power $\leq 4, 5$ kW.
- Type III Canoes and kayaks with $L_H < 8$ m.
- Type IV Sail boats with $L_H < 8$ m with a sail area ≤ 6 m².

ISO 6185-2:

- Type V Powered boats with $L_H < 8$ m with power $4,5 \text{ kW} < P \leq 15 \text{ kW}$
- Type VI Sail boats with $L_H < 8$ m with sail area > 6 m².

ISO 6185-3:

- Type VII Powered boats with $L_H < 8$ m with power ≥ 15 kW.
- Type VIII Powered boats with $L_H < 8$ m with power ≥ 75 kW.

ISO 6185-4:

- Type IX Powered boats (design categories C and D) with $8\text{m} < L_H \leq 24$ m with power ≥ 15 kW.
- Type X Powered boats (design category B) with $8\text{m} < L_H \leq 24$ m with power ≥ 75 kW.

	ISO 6185-1	ISO 6185-2	ISO 6185-3	ISO 6185-4
Buoyancy (kN)	Types I, II, III and IV	Types V and VI	Types VII and VIII	Types IX and X
12		For > 12 kN reinforced materials	Reinforced materials only	Reinforced materials only $L_H \geq 8\text{ m}$
1,8	Reinforced or unsupported materials	For < 12 kN reinforced or unsupported materials		
	< 1800 N excluded from ISO 6185			
Motor power rating (kW):	4,5	15	75 (Type X only)	

Figure 1 — Illustration of how ISO 6185 is sub-divided

This document enables the boat to be assigned to a design category appropriate to its design and maximum load. The categories used align with those in the Recreational Craft Directive of the European Union, EU Directive 94/25/EC, as amended by Directive 2003/44/EC.

Inflatable boats —

Part 3:

Boats with a hull length less than 8 m with a motor rating of 15 kW and greater

1 Scope

This part of ISO 6185 specifies the minimum safety characteristics required for the design, materials to use, manufacture and testing of inflatable boats and rigid inflatable boats with a hull length L_H in accordance with ISO 8666 less than 8 m with a motor power rating of 15 kW and greater.

This part of ISO 6185 is applicable to the following types of boats intended for use within the operating temperatures of -20 °C to $+60\text{ °C}$:

- Type VII: Powered Boats fitted with a buoyancy tube attached to the port and starboard sides, suitable for navigation in conditions of Design Categories C and D and capable of installing motor power rating of 15 kW and greater.
- Type VIII: Powered Boats fitted with a buoyancy tube attached to the port and starboard sides, suitable for navigation in conditions of Design Category B capable of installing motor power rating of 75kW and greater.

NOTE 1 General arrangements of typical boats of Types VII and VIII are given in [Annexes A](#) and [B](#), respectively.

This part of ISO 6185 excludes single-chambered boats and boats made from unsupported materials, and is not applicable to aquatic toys and inflatable liferafts.

NOTE 2 For craft, concerned by the Recreational Craft Directive (RCD) of the European Union, fitted with inboard engines with nonstandard integral exhausts, noise emission requirements need to be considered.

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.

EN 314-2, *Plywood - Bonding quality - Part 2: Requirements*

ISO 1817, *Rubber, vulcanized or thermoplastic — Determination of the effect of liquids*

ISO 2411, *Rubber- or plastics-coated fabrics — Determination of coating adhesion*

ISO 3011, *Rubber- or plastics-coated fabrics — Determination of resistance to ozone cracking under static conditions*

ISO 3864-1, *Graphical symbols — Safety colours and safety signs — Part 1: Design principles for safety signs and safety markings*

ISO 4674-1:2003, *Rubber- or plastics-coated fabrics — Determination of tear resistance — Part 1: Constant rate of tear methods*

ISO 4675, *Rubber- or plastics-coated fabrics — Low-temperature bend test*