

Irish Standard I.S. EN ISO 6185-3:2018

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)

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I.S. EN ISO 6185-3:2018

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National Foreword

I.S. EN ISO 6185-3:2018 is the adopted Irish version of the European Document EN ISO 6185-3:2018, 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)

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EUROPEAN STANDARD

EN ISO 6185-3

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 2018

ICS 47.080

Supersedes EN ISO 6185-3:2014

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)

This European Standard was approved by CEN on 16 April 2018.

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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.

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CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN ISO 6185-3:2018 (E)

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of an identical text or by endorsement, at the latest by March 2019, and conflicting national standards shall be withdrawn at the latest by March 2019.

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.

This document supersedes EN ISO 6185-3:2014.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive 2013/53/EU.

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

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, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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
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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	
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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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INTERNATIONAL STANDARD

ISO 6185-3

Second edition 2014-08-15

Inflatable boats —

Part 3:

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

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





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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).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information

The committee responsible for this document is ISO/TC 188, Small craft.

This second edition cancels and replaces the first edition (ISO 6185-3:2001), which has been technically revised.

ISO 6185 consists of the following parts, under the general title *Inflatable boats*:

- Part 1: Boats with a maximum motor power rating of 4, 5 kW
- Part 2: Boats with a maximum motor power rating of 4, 5 kW to 15 kW inclusive
- Part 3: Boats with a hull length less than 8m and with a motor power rating of 15 kW and greater
- Part 4: Boats with a hull length of between 8 m and 24 m and with a maximum motor power rating of 15 kW and greater

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 $L_{\rm H}$ < 8 m propelled exclusively by manual means.
- Type II Powered boats with $L_{\rm H}$ < 8 m with a power ≤ 4, 5 kW.
- Type III Canoes and kayaks with $L_{\rm H}$ < 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 kW < P ≤ 15 kW
- Type VI Sail boats with $L_{\rm H}$ < 8 m with sail area > 6 m².

ISO 6185-3:

- Type VII Powered boats with $L_{\rm H}$ < 8 m with power ≥ 15 kW.
- Type VIII Powered boats with $L_{\rm H}$ < 8 m with power ≥ 75 kW.

ISO 6185-4:

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

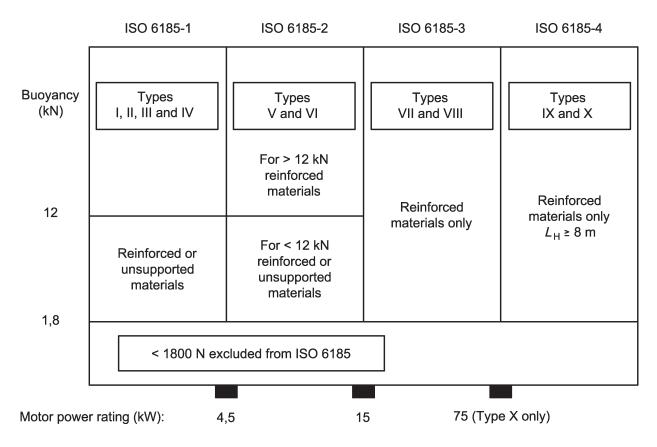


Figure 1 — Illustration of how ISO 6185 is sub-divided

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 $L_{\rm H}$ 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 °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

 ${\tt ISO~4674-1:2003, Rubber-or\ plastics-coated\ fabrics-Determination\ of\ tear\ resistance-Part\ 1:\ Constant\ rate\ of\ tear\ methods}$

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



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