



NSAI
Standards

Irish Standard
I.S. EN ISO 13590:2004

Small craft - Personal watercraft - Construction and system installation requirements (ISO 13590:2003)

I.S. EN ISO 13590:2004

Incorporating amendments/corrigenda issued since publication:

EN ISO 13590:2003/AC:2004

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

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English version
Version Française
Deutsche Fassung

Small craft - Personal watercraft - Construction and system installation
requirements (ISO 13590:2003)

Petits navires - Motos aquatiques -
Exigences de construction et d'installation
des systèmes (ISO 13590:2003)

Kleine Wasserfahrzeuge - Wasserskooter -
Anforderungen an Konstruktion und Einbau
von Systemen (ISO 13590:2003)

This corrigendum becomes effective on 8 September 2004 for incorporation in the three official language versions of the EN.

Ce corrigendum prendra effet le 8 septembre 2004 pour incorporation dans les trois versions linguistiques officielles de la EN.

Die Berichtigung tritt am 8. September 2004 zur Einarbeitung in die drei offiziellen Sprachfassungen der EN in Kraft.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: rue de Stassart, 36 B-1050 Brussels

I.S. EN ISO 13590:2004**EN ISO 13590:2003/AC:2004 (E)****English Version**

The following Table is to be added as follows:

Table ZB.1 – Correspondence between this European Standard and Directive 94/25/EC amended by EU Directive 2003/44/EC

Clauses/sub-clauses of this European Standard	Essential requirements of Directive 94/25/EC amended by EU Directive 2003/44/EC.	Qualifying remarks
4	Annex 1, Clause 2.2, Builder's plate	
5	Annex 1, Clause 5.2, Fuel system	
6	Annex 1, Clause 5.3, Electrical system	
7	Annex 1, Clause 5.1.2, Ventilation	
8	Annex 1, Clause 3.1, Structure	
9	Annex 1, Clause 3.3, Buoyancy and flotation	
10	Annex 1, Clause 5.4, Steering system	
11	Annex 1, Clause 3.2, Stability	
12	Annex 1, Clause 5.1.5, Personal watercraft running without a driver	
13	Annex 1, Clause 3.9, Towing	
14, 15	Annex 1, Clause 2.5, Owner's manual	

ICS 47.080

English version

**Small craft - Personal watercraft - Construction and system
installation requirements (ISO 13590:2003)**

Petits navires - Motos aquatiques - Exigences de
construction et d'installation des systèmes (ISO
13590:2003)

Kleine Wasserfahrzeuge - Wasserskooter - Anforderungen
an Konstruktion und Einbau von Systemen (ISO
13590:2003)

This European Standard was approved by CEN on 8 December 2003.

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 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 Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: rue de Stassart, 36 B-1050 Brussels

I.S. EN ISO 13590:2004

EN ISO 13590:2003 (E)

CORRECTED 2004-03-03

Foreword

This document (EN ISO 13590:2003) has been prepared by Technical Committee ISO/TC 188 "Small craft", the secretariat of which is held by CMC.

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 June 2004, and conflicting national standards shall be withdrawn at the latest by June 2004.

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(s).

For relationship with EU Directive(s), see informative Annex ZB, 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, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and the United Kingdom.

Endorsement notice

The text of ISO 13590:2003 has been approved by CEN as EN ISO 13590:2003 without any modifications.

NOTE Normative references to International Standards are listed in Annex ZA (normative).

Annex ZA (normative)

Normative references to international publications with their relevant European publications

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

NOTE Where an International Publication has been modified by common modifications, indicated by (mod.), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN</u>	<u>Year</u>
ISO 1402	1994	Rubber and plastics hoses and hose assemblies - Hydrostatic testing	EN ISO 1402	1996
ISO 7326	1991	Rubber and plastics hoses - Assessment of ozone resistance under static conditions	EN 27326	1993
ISO 8469	1994	Small craft - Non-fire-resistant fuel hoses	EN ISO 8469	1995
ISO 10133	2000	Small craft - Electrical systems - Extra-low-voltage d.c. installations	EN ISO 10133	2000
ISO 10240	1995	Small craft - Owner's manual	EN ISO 10240	1996

ANNEX ZB
(informative)

Relationship between this European Standard and the Essential Requirements of EU Directive 98/37 EEC

This European Standard has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association to provide a means of conforming to Essential Requirements of the New Approach Directive 98/37 EEC.

Once this standard is cited in the Official Journal of the European Communities under that Directive and has been implemented as a national standard in at least one Member State, compliance with the normative clauses of this standard given in Table ZB.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.

WARNING: Other requirements and other EU Directives may be applicable to the product(s) falling within the scope of this standard.

I.S. EN ISO 13590:2004
**INTERNATIONAL
STANDARD**

**ISO
13590**

Second edition
2003-12-15

**Small craft — Personal watercraft —
Construction and system installation
requirements**

*Petits navires — Motos aquatiques — Exigences de construction et
d'installation des systèmes*



Reference number
ISO 13590:2003(E)

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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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.

ISO 13590 was prepared by Technical Committee ISO/TC 188, *Small craft*.

This second edition cancels and replaces the first edition (ISO 13590:1997), which has been technically revised.

Small craft — Personal watercraft — Construction and system installation requirements

1 Scope

This International Standard applies to personal watercraft as defined in 3.1, for the construction and installation of builder's plate, permanently installed petrol fuel systems, electrical systems, steering systems, ventilation, hull structure and floatation, and requirements for stability, freeboard and owner's manual.

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.

ISO 1402:1994, *Rubber and plastics hoses and hose assemblies — Hydrostatic testing*

ISO 1817:1999, *Rubber, vulcanized — Determination of the effect of liquids*

ISO 7326:1991, *Rubber and plastics hoses — Assessment of ozone resistance under static conditions*

ISO 7840:—¹⁾, *Small craft — Fire-resistant fuel hoses*

ISO 8469:1994, *Small craft — Non-fire-resistant fuel hoses*

ISO 10133:2000, *Small craft — Electrical systems — Extra-low-voltage d.c. installations*

ISO 10240:—²⁾, *Small craft — Owner's manual*

ASTM D 1621:2000, *Standard Test Method for Compressive Properties of Rigid Cellular Plastics*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1

personal watercraft

vessel less than 4 m in length, which uses an internal combustion engine powering a water-jet pump as its primary source of propulsion, and is designed to be operated by a person or persons sitting, standing, or kneeling on, rather than within, the confines of a hull

1) To be published. (Revision of ISO 7840:1994)

2) To be published. (Revision of ISO 10240:1995)

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