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Standards

Irish Standard  
I.S. EN ISO 10862:2009

## Small craft - Quick release system for trapeze harness (ISO 10862:2009)

## I.S. EN ISO 10862:2009

*Incorporating amendments/corrigenda issued since publication:*

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English Version

Small craft - Quick release system for trapeze harness (ISO  
10862:2009)

Petits navires - Système de largage rapide pour harnais de  
trapèze (ISO 10862:2009)

Kleine Wasserfahrzeuge - Schnellöffnungssysteme für  
Trapezgurte (ISO 10862:2009)

This European Standard was approved by CEN on 20 May 2009.

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## **Foreword**

This document (EN ISO 10862:2009) has been prepared by Technical Committee ISO/TC 188 "Small craft" in collaboration with Technical Committee CEN/TC 162 "Protective clothing including hand and arm protection and lifejackets" 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of an identical text or by endorsement, at the latest by December 2009, and conflicting national standards shall be withdrawn at the latest by December 2009.

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

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 EC Directive.

For relationship with EC Directive, 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, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

### **Endorsement notice**

The text of ISO 10862:2009 has been approved by CEN as a EN ISO 10862:2009 without any modification.

## Annex ZA (informative)

### Relationship between this European Standard and the Essential Requirements of EU Directive 89/686/EC

This 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 89/686/EEC on the approximation of the laws of the Member States relating to personal protective equipment.

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 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 standard and Directive 89/686/EEC**

Clause(s)/sub-clause(s) of this EN	Essential Requirements (ERs) of Directive 89/686/EEC	Qualifying remarks/Notes
4.1, 4.3	1.2.1 Absence of risk and other “inherent” nuisance factors	
4.12	1.3.2 Lightness and design strength	
4.1	1.3.3 Compatibility of PPE for simultaneous use	
7	1.4 Information supplied by the manufacturer	
6b)	2.4 PPE subject to ageing	
4.1, 4.2, 4.4 to 4.7, 4.9	2.7 PPE intended for rapid installation	
4.1, 6, 7	2.10 PPE for connection to another, external complementary device	
4.2, 6	2.12 PPE bearing one or more identification or recognition marks directly or indirectly relating to health and safety	

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

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**INTERNATIONAL  
STANDARD**

**ISO  
10862**

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**Small craft — Quick release system for  
trapeze harness**

*Petits navires — Système de largage rapide pour harnais de trapèze*



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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 10862 was prepared by Technical Committee ISO/TC 188, *Small craft*, in collaboration with Technical Committee CEN/TC 162, *Protective clothing including hand and arm protection and lifejackets*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

## **Introduction**

Many people actively participate in small craft sailing with little evidence of accident, injury or death. Statistically, sailing is one of the safer leisure activities. There are, however, a very few documented accounts of injury and death owing to a participant being entrapped underwater as a result of not being able to detach themselves from the craft and, in some cases, not being able to release themselves from a sailing-craft trapeze.

This International Standard has been developed jointly by recreational-craft user groups and industry in an endeavour to reduce the possibility of entrapment underwater as a result of the inability of the user to release from a sailing-craft trapeze.

The scope of this International Standard is intentionally restricted and only covers the functioning of the safety release device of small sailing-craft trapeze systems. When developing this International Standard, ISO/TC 188/WG 14 emphasized that the safety of a craft and her entire management is the sole responsibility of the person in charge, who will also ensure that the craft and crew are adequate to face the conditions that might arise in the course of use. The establishment of this International Standard in no way limits or reduces the absolute responsibility of the person in charge and their responsibility for the crew, the craft and the management thereof.



# Small craft — Quick release system for trapeze harness

## 1 Scope

This International Standard specifies requirements and test methods for quick release devices as a component of the small sailing-craft trapeze system worn whilst afloat. The quick release device is intended to quickly release the wearer from entrapment and minimize the risk of drowning in the event of a failure to release from the sailing-craft trapeze system by other means.

The quick release device is intended to be easily accessible and operated in all conditions that might occur whilst in use, including when a craft is capsized or inverted.

## 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 9227, *Corrosion tests in artificial atmospheres — Salt spray tests*

EN 364:1992, *Personal protective equipment against falls from a height — Test methods*

EN 892:2004, *Mountaineering equipment — Dynamic mountaineering ropes — Safety requirements and test methods*

EN 13139:2002, *Aggregates for mortar*

## 3 Terms and definitions

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

### 3.1

#### **sailing-craft trapeze system**

system of sailing-craft equipment and/or devices attached to a craft and user which can be used to support the main body mass of that user, thereby enabling an increase in the righting moment (through their body mass) on the craft

### 3.2

#### **user's attachment point**

point to which the trapeze system tensile load is applied and which connects and disconnects the user to and from the craft when the system is in normal use

### 3.3

#### **release attachment point**

point to which the trapeze system tensile load is applied and from which the user is released from the craft when the release system is activated

**NOTE** In any particular trapeze system, the release attachment point might be the same as, or may be additional to, the user's attachment point.

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