



BSI Standards Publication

Buoyant aids for swimming instruction

Part 1: Safety requirements and test methods for buoyant aids to be worn

National foreword

This British Standard is the UK implementation of EN 13138-1:2014. It supersedes BS EN 13138-1:2008 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee SW/136/8, Swimming pools and aquatic equipment.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

© The British Standards Institution 2014. Published by BSI Standards Limited 2014

ISBN 978 0 580 76924 5

ICS 97.220.40

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 October 2014.

Amendments issued since publication

Date	Text affected
------	---------------

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 13138-1

October 2014

ICS 13.340.70; 97.220.40

Supersedes EN 13138-1:2008

English Version

Buoyant aids for swimming instruction - Part 1: Safety requirements and test methods for buoyant aids to be worn

Aides à la flottabilité pour l'apprentissage de la natation -
Partie 1: Exigences de sécurité et méthodes d'essai pour
les aides à la flottabilité portées au corps

Auftriebshilfen für das Schwimmenlernen - Teil 1:
Sicherheitstechnische Anforderungen und Prüfverfahren für
am Körper getragene Auftriebshilfen

This European Standard was approved by CEN on 16 August 2014.

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 CEN-CENELEC 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 CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of 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, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents

Page

Foreword.....	4
Introduction	5
1 Scope	7
2 Normative references	7
3 Terms and definitions	7
4 Classification.....	9
5 Safety Requirements	9
5.1 General.....	9
5.2 Buoyancy	10
5.2.1 Buoyancy characteristics of the complete device	10
5.2.2 Residual buoyancy	10
5.3 Design, fit and positioning.....	11
5.3.1 Adjustability - Class B devices.....	11
5.3.2 Buckles, zippers and other fixings	11
5.3.3 Retention of function.....	11
5.3.4 Innocuousness.....	12
5.4 Entire assembly and components	12
5.4.1 Integrity of the entire assembly of worn devices	12
5.4.2 Thread	13
5.4.3 Valves, stoppers and other protruding parts.....	13
5.5 Materials - mechanical properties.....	13
5.5.1 Seam strength and durability of inflatable devices.....	13
5.5.2 Resistance to puncturing.....	13
5.5.3 Resistance of foam and other inherent buoyant materials to compression	13
5.6 Materials and markings	13
5.6.1 General.....	13
5.6.2 Resistance to chlorinated salt water	14
5.6.3 Resistance of the markings to saliva	14
5.6.4 Resistance of the markings to perspiration.....	14
5.6.5 Adhesion of markings	14
6 Test methods.....	14
7 Warnings and markings	15
7.1 General.....	15
7.2 Warnings and markings on the product.....	15
7.3 Information supplied by the manufacturer	16
7.4 Consumer information at the point of sale	16
Annex A (normative) Procedures for testing resistance of markings to saliva	18
Annex B (normative) Procedures for testing efficiency of valves of inflatable devices	19
Annex C (normative) Security of the pressure release of buckles	20
Annex D (normative) Procedures for testing adjustability, retention of function, edges, corners and points by assessment panel	21
D.1 General.....	21
D.2 Assessment of Risks.....	21
D.3 Re-assessment of instructions supplied with the device.....	21