

Diving equipment - Snorkels - Requirements and test methods

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

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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.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 09.12.2015.	Date of Availability of the European standard is 09.12.2015.
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EUROPEAN STANDARD

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NORME EUROPÉENNE

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English Version

Diving equipment - Snorkels - Requirements and test methods

Équipement de plongée - Tubas - Exigences et méthodes d'essais

Tauch-Zubehör - Schnorchel - Sicherheitstechnische Anforderungen und Prüfverfahren

This European Standard was approved by CEN on 7 November 2015.

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.

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European foreword

This document (EN 1972:2015) has been prepared by Technical Committee CEN/TC 136 “Sports, playground and other recreational facilities and equipment”, 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of an identical text or by endorsement, at the latest by June 2016 and conflicting national standards shall be withdrawn at the latest by June 2016.

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 supersedes EN 1972:1997.

In comparison with the previous edition EN 1972:1997, the following significant changes have been made:

- a) updating of definition of snorkel and mouthpiece;
- b) definition of two class A and B for the dimension of snorkel;
- c) addition of requirements for shut-off valves;
- d) introduction or updating of new test methods such as visual inspection, tests for dimensions, resistance to air flow, joint strength and practical performance;
- e) requirements on marking;
- f) requirements on information supplied by the manufacturer.

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Introduction

A snorkel allows the user to breathe, when swimming in a prone position, without having to raise the mouth out of the water.

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1 Scope

This European Standard specifies safety requirements in order to increase the safety in the use of snorkels for swimmers and divers.

This European Standard is applicable to snorkels, which allow users to breathe at the water surface whilst floating with the face submerged. It covers snorkels used by swimmers and divers.

This European Standard is not applicable to combined face masks and snorkels, in which the snorkel tube opens into face mask.

2 Terms and definitions

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

2.1

snorkel

device composed of a hose and/or tube with a mouthpiece, allowing a user to breathe while swimming in a prone position; it may also include optional devices such as valves and water deflectors

2.2

mouthpiece

part of the snorkel, usually held by the teeth, sealing against the lips and through which air is inhaled and exhaled

3 Requirements

3.1 General

The snorkel shall not have any projecting parts, or corners and edges, which can cause injury.

Test in accordance with 4.1 and 4.5.

3.2 Dimensions

The dimensions of a snorkel shall comply with Table 1.

Table 1 — Dimensions

Class	Application	Total inner volume ^a	<i>L</i> ^b
		ml max.	mm max.
A	people with large lung capacities	230	380
B	people with small lung capacity (e.g. children)	150	350
^a The total inner volume representing the dead space of the snorkel for respiratory exchange. ^b Linear distance between the centre of the mouthpiece opening and the lowest part of the air intake opening.			

Test in accordance with 4.1 and 4.2.