DIN EN ISO 25649-4:2025-06 (E)

Floating leisure articles for use on and in the water - Part 4: Additional specific safety requirements and test methods for Class B devices (ISO 25649-4:2024)

Contents

Page

Foreword ... **iv**

Introduction ... **v**

1 Scope ... **1**

2 Normative references ... **1**

3 Terms and definitions ... **1**

4 Safety requirements and test methods ... **2**
4.1 General ... 2
4.2 Sizing ... 3
4.2.1 Sizing of B1 devices, fit to user's body and test probes ... 3
4.2.2 Sizing of B2.1 (being-in type) devices, loose fit to body ... 4
4.2.3 Sizing of B2.2 (sitting-on type) devices, loose fit to the body ... 5
4.3 Strength of entire device Class B1 ... 5
4.3.1 Requirement ... 5
4.3.2 Strength of entire device Class B1, test method ... 7
4.4 In-water performance of Class B1 devices ... 8
4.4.1 In-water behaviour, static floating stability of Class B1 devices for children of 4 years old to 8 years old ... 8
4.4.2 In-water behaviour, static floating stability of Class B1 devices for children above 8 years of age (test panel of human test subjects, device fully inflated) ... 10
4.4.3 In-water behaviour, dynamic stability for Class B1 devices intended for children of 4 years to 7 years of age (30 kg) ... 11
4.4.4 Residual buoyancy and retention of function of Class B1 devices (children up to 7 years, 30 kg) ... 11
4.4.5 Escape from the Class B1 device (body entrapment, leg or foot entanglement) ... 11
4.5 In-water performance of Class B2 devices ... 12
4.5.1 In/water behaviour, static floating stability of Class B2 devices for children up to 7 years ... 12
4.5.2 In-water behaviour, static floating stability of Class B2 devices for children above 7 years of age (30 kg) ... 15
4.5.3 Residual buoyancy and retention of function of Class B2 devices for children of 3 years (36 months) to 8 years (96 months) of age ... 15
4.5.4 Escape from the Class B2 device (body entrapment, leg or foot entanglement) ... 15

5 Consumer information ... **16**
5.1 General ... 16
5.2 Consumer information on the packaging (point of sale information) ... 16
5.3 Consumer information on the product (information related to safe use) ... 16
5.4 Consumer information by instructions for use (separate written information) ... 16
5.4.1 General ... 16
5.4.2 Safety and product information ... 16
5.4.3 Assembly ... 16
5.4.4 Maintenance and repair ... 16

6 Exclusions ... **17**

Annex A (informative) **Optional manikin testing for swim seats as one possible embodiment of Class B1 devices, requirements** ... **18**

Annex B (informative) **Examples of products forming Class B** ... **23**

Bibliography ... **25**