

DIN EN ISO 25649-5:2018-04 (E)

Floating leisure articles for use on and in the water - Part 5: Additional specific safety requirements and test methods for Class C devices (ISO 25649-5:2017)

Contents	Page
European foreword	4
Foreword	5
Introduction	6
1 Scope	8
2 Normative references	8
3 Terms and definitions	8
4 Safety requirements and test methods	10
4.1 General	10
4.2 Test conditions	10
4.3 Design	10
4.3.1 General	10
4.3.2 Sizing, admissible number of users and maximum load capacity	11
4.3.3 C1 devices, space per person (passive user, including children)	11
4.3.4 C2 and C3 devices, space per person	11
4.3.5 Grab handles, availability and strength	12
4.3.6 Buoyancy and load capacity	12
4.3.7 Residual buoyancy	12
4.3.8 Foot, leg and torso entrapment	12
4.3.9 Valves and other protruding parts	13
4.3.10 Accessible protruding parts, entanglement	13
4.3.11 Strength of towing device attachment	13
4.3.12 Towing system	14
4.3.13 Colour of towing rope	14
4.3.14 Floatability of towing rope	14
4.3.15 Fittings	14
4.3.16 Elasticity of towing rope	14
4.4 In-water performance	15
4.4.1 General	15
4.4.2 Selection of test subjects	15
4.4.3 Assessment panel	15
4.4.4 Selection of watercraft and towing personnel for testing	15
4.4.5 Test conditions, test course, duration of test, test speed, wind speed	15
4.4.6 Manoeuvres	16
4.4.7 Efficiency of drainage system for inflatable chambers designed with an external cover	16
4.4.8 Entrapment, entanglement, additional practical in-water test during capsizing	16
4.4.9 Re-embarkation, practical in-water test	17
4.4.10 Residual buoyancy, additional practical in-water test	17
4.4.11 Pass/fail criteria	17
5 Required capabilities of the test persons being towed	17
6 Consumer information	18
6.1 General	18
6.2 Intended use	18
6.3 Responsibilities	18
6.3.1 General	18
6.3.2 Watercraft driver	18
6.3.3 Observer	18
6.3.4 Rider	19

7	Written warnings in the manual	19
7.1	General.....	19
7.2	Warnings.....	19
7.3	Instructions.....	20
8	Signals	21
8.1	General.....	21
8.2	Hand signals.....	21
8.3	Signal devices.....	23
9	Exclusions	23
	Annex A (informative) Quick release system	24
	Annex B (informative) Examples of typical products forming Class C	25
	Bibliography	26