DIN EN ISO 6185-2:2019-06 (E)

Inflatable boats - Part 2: Boats with a maximum motor power rating of 4,5 kW to 15 kW inclusive (ISO 6185-2:2001)

Contents

Page

European foreword ... 4

Annex ZA (informative) Relationship between this European Standard and the Essential Requirements of Directive 2013/53/EU aimed to be covered ... 5

Foreword ... 7

Introduction ... 8

1 Scope ... 10

2 Normative references ... 10

3 Terms and definitions ... 11

4 Materials ... 12
4.1 General ... 12
4.2 Reinforced materials (excluding glass-fibre-reinforced plastics components) and/or unsupported materials making up the hull ... 12
4.2.1 Requirements ... 12
4.2.2 Test methods ... 12
4.3 Wood ... 14
4.3.1 General ... 14
4.3.2 Plywood ... 14
4.3.3 Constructional timbers ... 14
4.4 Metal and synthetic material parts ... 14
4.5 Glass-fibre-reinforced plastics ... 14

5 Functional components ... 14
5.1 Conditioning ... 14
5.2 Hull fittings ... 15
5.2.1 Requirement ... 15
5.2.2 Test method ... 15
5.3 Manual lifting and carrying devices ... 15
5.3.1 Requirement ... 15
5.3.2 Test method ... 15
5.4 Valves ... 15
5.4.1 Inflation ... 15
5.4.2 Deflation ... 16
5.5 Rowlocks and oars ... 16
5.5.1 Requirements ... 16
5.5.2 Abrasion damage ... 16
5.5.3 Prevention from loosening ... 16
5.5.4 Strength of rowlocks ... 16
5.5.5 Use of the rowlocks and oars ... 16
5.6 Transom (where applicable) ... 16
5.6.1 Requirement ... 16
5.6.2 Test method ... 17
5.7 Hull drainage ... 17
5.8 Rudder steering system (where offered as standard or optional equipment) ... 17
5.8.1 Strength of the assembly ... 17
5.8.2 Rudder-blade ... 17
5.9 Remote steering system (where offered as standard or optional equipment) ... 17
5.10 Motor-securing line attachment (Type V only) ... 17
5.11 Towing device (all types) ... 17
5.12 Seating and attachment systems (where offered as standard or optional equipment) ... 17

6 Safety requirements and test methods of the completed boat 18
6.1 Maximum permissible number of persons 18
6.2 Maximum motor power 18
6.3 Static stability of the boat 18
6.3.1 Requirement 18
6.3.2 Test method 18
6.4 Maximum load capacity 19
6.4.1 Requirement 19
6.4.2 Test method 19
6.5 Design working pressures 20
6.6 Strength of the hull 20
6.6.1 Requirement 20
6.6.2 Test method 20
6.7 Safety ropes and grab handles 22
6.7.1 Requirement 22
6.7.2 Test method 22
6.8 Residual buoyancy 22
6.8.1 Requirement 22
6.8.2 Test method 22
6.9 Manoeuvrability 22
6.9.1 Requirement 22
6.9.2 Test method 22
6.10 Compartmentation 23
6.11 Field of vision from the helm position 23
7 Performance requirements and test methods 23
7.1 General 23
7.2 Drop test (RIBs only) 24
7.2.1 Requirement 24
7.2.2 Test method 24
7.3 In-water performance (Type V only) 24
7.3.1 Requirement 24
7.3.2 Test methods 25
7.4 Strength of the towing device (both types) 25
7.4.1 Requirement 25
7.4.2 Test method 25
7.5 Rowing test (where applicable, see 5.5) 27
7.6 Watertightness test (not applicable to open floor, self-bailing craft) 27
7.6.1 Requirement 27
7.6.2 Test method 27
8 Builder's plate(s) 27
9 Operator's instructions and warning notes 28
10 Standard equipment 29
Annex A (normative) Inflatable craft propelled by sail (Type VI) 30
A.1 Applicable requirements 30
A.2 Boards 30
A.2.1 Construction 30
A.2.2 Strength and function of boards 30
A.2.3 Test method 30
A.3 Standing and running rigging 31
A.4 Sailing performance 32
A.4.1 Requirement 32
A.4.2 Test method 32
Annex B (informative) General arrangement of a typical Type V boat 33
Bibliography 34