

ISO 6185-1:2001-11 (E)

Inflatable boats - Part 1: Boats with a maximum motor power rating of 4,5 kW

Contents		Page
Foreword		v
Introduction		vi
1	Scope	1
2	Normative references	1
3	Terms and definitions	2
4	Materials	3
4.1	General	3
4.2	Reinforced materials (excluding glass-fibre-reinforced plastics components) and/or unsupported materials making up the hull	3
4.2.1	Requirements	3
4.2.2	Test methods	4
4.3	Wood	4
4.3.1	General	4
4.3.2	Plywood	5
4.3.3	Constructional timbers	5
4.4	Metal and synthetic material parts	5
4.5	Glass-fibre-reinforced plastics	5
5	Functional components	5
5.1	Conditioning	5
5.2	Hull fittings	5
5.2.1	Requirement	5
5.2.2	Test method	5
5.3	Manual lifting and carrying devices	5
5.3.1	Requirement	5
5.3.2	Test method	6
5.4	Valves	6
5.4.1	Inflation	6
5.4.2	Deflation	6
5.5	Rowlocks and oars	6
5.5.1	Requirements	6
5.5.2	Abrasion damage	7
5.5.3	Prevention from loosening	7
5.5.4	Strength of rowlocks	7
5.5.5	Use of the rowlocks and oars	7
5.6	Transom (where applicable)	7
5.6.1	Requirement	7
5.6.2	Test method	7
5.7	Hull drainage	7
5.8	Rudder steering system (where offered as standard or optional equipment)	8
5.8.1	Strength of the assembly	8
5.8.2	Rudder-blade	8
5.9	Remote steering system (Type II only where offered as standard or optional equipment) ...	8
5.10	Motor-securing line attachment (Type II only)	8
5.11	Towing device (all types)	8
5.12	Seating and attachment systems (where offered as standard or optional equipment)	8

6	Safety requirements of the completed boat	8
6.1	Maximum permissible number of persons	8
6.2	Maximum motor power	9
6.3	Static stability of the boat	9
6.3.1	Requirement	9
6.3.2	Test methods	9
6.4	Maximum load capacity	10
6.4.1	Requirement	10
6.4.2	Test method	11
6.5	Design working pressures	11
6.6	Strength of the hull	11
6.6.1	Requirement	11
6.6.2	Test method	11
6.7	Safety ropes and grab handles	13
6.7.1	Requirement	13
6.7.2	Test method	13
6.8	Residual buoyancy	14
6.8.1	Requirement	14
6.8.2	Test method	14
6.9	Manoeuvrability	14
6.9.1	Requirement	14
6.9.2	Test method	14
6.10	Compartmentation	14
6.11	Field of vision from the helm position	14
7	Performance requirements and test methods	14
7.1	General	14
7.2	In-water performance (Type II only)	15
7.2.1	Requirement	15
7.2.2	Test methods	15
7.3	Strength of the towing device (all types)	17
7.3.1	Requirement	17
7.3.2	Test method	17
7.4	Rowing test (where applicable, see 5.5)	17
7.5	Watertightness test (not applicable to open floor, self-bailing craft)	17
7.5.1	Requirement	17
7.5.2	Test method	17
8	Builder's plate(s)	18
9	Operator's instructions and warning notes	19
10	Standard equipment	19
Annex A (normative) Inflatable canoes and kayaks (Type III)		20
Annex B (normative) Inflatable craft propelled by sail (Type IV)		23
Annex C (informative) General arrangement of typical Type I boat		26
Annex D (informative) General arrangement of typical Type II boat		27
Annex E (informative) General arrangement of a typical Type III boat		28
Bibliography		29