

DIN EN ISO 13590:2019-05 (E)

Small craft - Personal watercraft - Construction and system installation requirements (ISO 13590:2003)

Contents		Page
European foreword.....		4
Annex A (informative) A-deviations.....		5
Annex ZA (informative) Relationship between this European Standard and the Essential Requirements of Directive 2013/53/EU aimed to be covered.....		6
Foreword.....		8
1	Scope.....	9
2	Normative references	9
3	Terms and definitions.....	9
4	Builder's plate.....	11
4.1	General requirements	11
4.2	Display information.....	11
5	Fuel system	12
5.1	General	12
5.2	Fuel tanks.....	12
5.3	Fuel-tank installations	13
5.4	Fuel-tank filling system	14
5.5	Fuel pumps	14
5.6	Carburetors	14
5.7	Fuel-stop valves	14
5.8	Fuel filters and strainers	14
5.9	Spud, pipe and hose fitting.....	15
5.10	Clips, straps and hose clamps	15
5.11	Metallic fuel line	15
5.12	Plugs and fittings	15
5.13	Vent and fuel-distribution hoses and connections	15
5.14	Grounding (Earthing).....	15
5.15	Fire test	15
5.16	Fuel-hose specifications	16
6	Electrical system.....	18
6.1	Exemptions.....	18
6.2	Conductor type, size and identification.....	18
6.3	Conductor support and protection	20
6.4	External ignition protection	20
6.5	Overcurrent protection	20
6.6	Conductor terminations	21
6.7	Batteries	22
6.8	Secondary circuits of ignition systems	22
7	Ventilation.....	23
8	Hull-structure test	23
8.1	Drop test.....	23
8.2	Testing.....	23
8.3	Passing or failing the test	23
9	Floation test.....	24
9.1	General	24
9.2	Test conditions.....	24
9.3	Test procedure	24
9.4	Acceptance level	24
9.5	Floation material	24

10	Steering-system test.....	25
10.1	General.....	25
10.2	Axial-force test.....	26
10.3	Tangential force test.....	26
10.4	Fatigue test.....	26
10.5	Impact test.....	26
11	Stability.....	27
12	Means of reboarding.....	27
13	Towing.....	28
14	Off-throttle steering.....	28
15	Owner's manual.....	28
	Bibliography.....	29