

DIN EN 14960-1:2020-04 (E)

Inflatable play equipment - Part 1: Safety requirements and test methods

Contents		Page
European foreword		4
Introduction		5
1	Scope	6
2	Normative references	6
3	Terms and definitions	6
4	Safety requirements	10
4.1	Materials	10
4.1.1	Fabrics	10
4.1.2	Thread	10
4.1.3	Netting	10
4.1.4	Ropes	11
4.1.5	Zips	11
4.1.6	Dangerous substances and decorative finishes	11
4.2	Design	11
4.2.1	Anchorage	11
4.2.2	Structural integrity	12
4.2.3	Access/egress	13
4.2.4	Blowers	16
4.2.5	Entrapment	16
4.2.6	Hard objects, sharp angles and edges	21
4.2.7	Electrical installations	21
4.2.8	Siting	21
4.2.9	Containment	23
4.2.10	Wall heights on slopes	24
4.2.11	Run-out	25
4.2.12	Ventilation	25
4.3	Number of users	25
4.4	Supervision	26
5	Test methods and reports	26
6	Information to be provided by the supplier/manufacturer	26
6.1	General product information	26
6.2	Pre-information	27
6.3	Installation information	27
6.4	Operating information	27
6.5	Inspection and maintenance information	28
7	Inspection, maintenance and alteration	28
7.1	Inspection	28
7.1.1	General	28
7.1.2	Routine inspection	28
7.1.3	Annual inspection	29
7.2	Maintenance	29
7.2.1	General	29
7.2.2	Routine maintenance	29
7.2.3	Corrective maintenance	30

7.3	Alteration.....	30
8	Marking.....	30
9	Documentation.....	31
	Annex A (normative) Calculation of number of anchor-points.....	32
	Annex B (informative) The Beaufort Scale of wind force.....	33
	Annex C (normative) Test method for grounding.....	34
	Annex D (normative) Test methods for entrapment.....	35
D.1	General.....	35
D.2	Head and neck entrapment.....	35
D.3	Entrapment of clothing (Toggle test).....	42
D.4	Finger entrapment.....	44
	Annex E (normative) Test method for tear strength.....	46
E.1	Maximum value tongue tear, apparatus.....	46
E.2	Preparation of test specimens.....	46
E.3	Conditioning.....	46
E.4	Preconditioning.....	47
E.5	Characteristics of test atmospheres.....	47
E.6	Methods of conditioning.....	47
E.7	Procedure.....	47
E.8	Calculation and expression of results.....	48
E.9	Test report.....	50
	Bibliography.....	51