

DIN EN 17072:2019-05 (E)

Child care articles - Bath tubs, stands and non-standalone bathing aids - Safety requirements and test methods

Contents		Page
European foreword		4
1	Scope	5
2	Normative references	5
3	Terms and definitions	5
4	Test equipment	7
4.1	Test probes for finger entrapment	7
4.1.1	Test probes with hemispherical end	7
4.1.2	Shape assessment probe	8
4.2	Test probes for head entrapment	8
4.2.1	Small head probe	8
4.2.2	Large head probe	9
4.2.3	Template for partially bound and V shaped openings	9
4.3	Test mass A	10
4.4	Small parts cylinder	11
4.5	Feeler gauge	12
4.6	Test glass surface	12
4.7	Test surface for drop test and impact test	12
4.8	Tube	12
4.9	Steel ball	13
4.10	Test beam	13
4.11	Test base for bath mounted supports	13
5	General requirements	14
5.1	Product conditioning	14
5.2	Test conditions	15
5.3	Application of forces	15
5.4	Tolerances	15
5.5	Order of test	15
6	Chemical hazards -- Migration of certain elements (see A.2)	15
7	Mechanical hazards (see A.3)	16
7.1	General	16
7.2	Entrapment hazards	16
7.2.1	Entrapment of fingers	16
7.2.2	Entrapment of head	17
7.3	Hazards due to moving parts	19
7.3.1	Requirements for compression points	19
7.3.2	Requirements for shear points	20
7.4	Entanglement hazards	20
7.4.1	Requirements	20
7.4.2	Test method	21
7.5	Choking and ingestion hazards	21
7.5.1	Requirements	21
7.5.2	Test methods	21
7.6	Suffocation hazards -- Plastic packaging	22
7.7	Hazardous edges, corners and protruding parts	22

7.8	Hazards from inadequate structural integrity	23
7.8.1	Thermal shock	23
7.8.2	Static strength of bath tubs	23
7.8.3	Static strength of non-standalone bathing aids	23
7.8.4	Static strength of stands	24
7.8.5	Strength and retention of suction cups	24
7.8.6	Impact test	24
7.9	Hazards due to folding or adjusting of the product	25
7.9.1	General	25
7.9.2	Attachment device(s) for non-standalone bathing aids	25
7.9.3	Foldable bath tubs	25
7.9.4	Stands	26
7.10	Hazards due to plastic decals	27
7.10.1	Requirement	27
7.10.2	Conditioning of plastic decals	27
7.11	Castors/wheels	27
7.11.1	Requirements	27
7.11.2	Requirements for parking device	27
7.11.3	Test methods for lockable wheels	27
7.12	Hazards due to inadequate stability	28
7.12.1	Requirements	28
7.12.2	Test methods	29
8	Product information	30
8.1	General	30
8.2	Marking of the product	31
8.2.1	Requirements	31
8.2.2	Durability of marking	32
8.2.3	Test method for durability of marking	32
8.2.4	Determination of maximum level of water for non-standalone bath cradles and integrated bath cradles	32
8.3	Purchase information	33
8.4	Instructions for use	33
Annex A (informative) Rationales		36
A.1	General	36
A.2	Chemical hazards (see Clause 6)	36
A.3	Mechanical hazards (see Clause 7)	36
A.3.1	General	36
A.3.2	Entrapment hazards	36
A.3.3	Hazards due to moving parts	36
A.3.4	Entanglement hazards	37
A.3.5	Choking and ingestion hazards	37
A.3.6	Suffocation hazards	37
A.3.7	Hazardous edges, corners and protruding parts	37
A.3.8	Hazards from inadequate structural integrity	37
A.3.9	Hazards due to folding or adjusting of the product	37
A.3.10	Plastic decals	38
A.3.11	Hazards due to inadequate stability	38
A.4	Drowning hazard	38
A.5	Thermal hazards	38
Annex B (normative) Warnings		39
Bibliography		46