

DIN EN 71-8 :2006-09 (E)

Safety of toys_ - Part_8: Swings, slides and similar activity toys for indoor and outdoor family domestic use

Contents

Page

Foreword to EN 71-8:2003.....	4
Foreword to EN 71-8:2003/A1:2006.....	5
Foreword to EN 71-8:2003/A2:2005.....	5
1 Scope (see A1)	5
2 Normative references	6
3 Definitions	6
4 Requirements	8
4.1 General (see A.2).....	8
4.2 Barriers, ladders etc (see A.3).....	9
4.3 Entrapment (see A.4).....	10
4.4 Stability of activity toys other than slides, swings and toys with crossbeams	12
4.5 Slides (see A.5)	13
4.6 Swings (see A.6)	15
4.7 See-saws.....	18
4.8 Carousels and rocking activity toys (see A.7).....	18
5 Warnings and labelling	18
5.1 Labelling	18
5.2 Assembly and installation instructions.....	18
5.3 Maintenance	19
6 Test methods.....	19
6.1 Stability	19
6.2 Static strength.....	22
6.3 Dynamic strength of barriers and handrails (see 4.2.1).....	23
6.4 Determination of impacts from swing elements (see 4.6.4)	24
6.5 Test for head and neck entrapment (see 4.3)	25
6.6 Toggle test (see 4.3.2)	30
6.7 Diameter of ropes and chains for swings (see 4.6.8).....	33
Annex A (informative) Rationale	34
A.1 Activity toys.....	34
A.2 General requirements (see 4.1)	34
A.3 Barriers, ladders etc (see 4.2).....	34
A.4 Entrapment (see 4.3)	34
A.5 Slides (see 4.5).....	34
A.6 Swings (see 4.6).....	35
A.7 Rocking activity toys and similar toys (see 4.8).....	35
A.8 Corners and edges (see 4.1.3).....	35
Bibliography	36
Annex ZA (informative) Clauses of this European Standard addressing essential requirements or other provisions of EU Directives.....	37

Figures

Figure 1 — Diagrammatic representation of a slide 7

Figure 2 — Diagrammatic representation of a swing 8

Figure 3 — Dimensions of ladders 10

Figure 4 — Measurement of surface gap on running and walking levels 12

Figure 5 — Height of retaining sides 13

Figure 6 — Requirements for slides 14

Figure 7 — Minimum distance between suspension points of swings 17

Figure 8 — Maximum openings in chains for swings 18

Figure 9 — Example of apparatus for dynamic test of barriers and handrails 24

Figure 10 — Probe C (torso) for assessment of completely bound openings 26

Figure 11 — Probe D (large head) for assessment of completely bound openings 26

Figure 12 — Test template D for assessment of head and neck entrapment in partially bound and V-shaped openings 27

Figure 13 — Method of insertion of the “B” portion of the test template 28

Figure 14 — Method of insertion of the “A” portion of the test template 29

Figure 15 — Toggle test device 30

Figure 16 — Positioning of the test device on slides 31

Figure 17 — Positioning of the test device on fireman's pole 32