DIN EN 716-2:2017-08 (E)

Furniture - Children's cots and folding cots for domestic use - Part 2: Test methods

Contents

Page

European foreword 4

1 Scope 5

2 Normative references 5

3 General test conditions 5
3.1 Preliminary preparation 5
3.2 Test equipment 5
3.3 Application of forces 6
3.4 Tolerances 6
3.5 Test sequence 6
3.6 Prevention of movement during test 6

4 Test apparatus 6
4.1 Measuring probes 6
4.2 Bottom impactor 7
4.3 Test mattress 8
4.4 Side impactor 8
4.5 Loading pad 9
4.6 Stops 9
4.7 Floor surface 9
4.8 Test chain and mass 9
4.9 Small parts cylinder 9
4.10 Test mass 10
4.11 Bite tester 10
4.12 Retaining block 11
4.13 Foothold template 11
4.14 Head probes 12
4.14.1 Small head probe 12
4.14.2 Large head probe 12
4.15 Template for V-shaped openings 13
4.16 Test dummy 14

5 Test procedures 14
5.1 Assembly and inspection 14
5.2 Stability - test 14
5.3 Footholds 15
5.3.1 Determination of a foothold 15
5.3.2 Tests for footholds 16
5.3.3 Measurement of distance between footholds and/or top of cot sides and ends 19
5.4 Measurements 20
5.4.1 Holes, gaps and openings inside the cot 20
5.4.2 Holes, gaps and openings on the outside of the cot 21
5.5 Small parts 23
5.5.1 General 23
5.5.2 Torque test 23
5.5.3 Tension test 24
5.6 Bite test 24
5.7 Tests for cot base and mattress base 24
5.7.1 Folding test of the mattress base and cot base 24
5.7.2 Strength of cot base and mattress base (impact test) 25

5.8 Strength of sides and ends 26
5.8.1 Static load test of slats (bending test) 26
5.8.2 Strength of sides or side slats (impact test) 26
5.8.3 Strength of corners (impact test) 27
5.8.4 Strength of mesh and flexible sides and ends (static load test) 28
5.9 Strength of frame and fastenings 28
5.9.1 Vertical static load test 28
5.9.2 Durability test 29
5.10 Snag points 30
5.11 Locking systems 30
5.11.1 Durability 30
5.11.2 Strength 30
5.12 Stability test 30

6 Test report 31

Annex A (informative) A-deviations 32

Bibliography 33