ISO 19833:2018-03 (E)

Furniture - Beds - Test methods for the determination of stability, strength and durability

Contents

Page

Foreword iv

1 Scope 1

2 Normative references 1

3 Termsanddefinitions 1

4 General test conditions 2
4.1 Preliminary preparation 2
4.2 Application of forces 2
4.3 Tolerances 2
4.4 Sequence of testing 3
4.5 Loading 3

5 Test apparatus 3

6 Test procedures -- Stability, strength and durability 7
6.1 General 7
6.2 Stability test 8
6.3 Vertical static load tests 10
6.3.1 Vertical static load on bed base 10
6.3.2 Vertical static load on side rail 10
6.4 Horizontal static load tests 11
6.4.1 Horizontal static load on headboard of beds 1 200 mm in width 11
6.4.2 Horizontal static load on headboard of beds > 1 200 mm in width 12
6.4.3 Horizontal static load test for beds without headboards 13
6.5 Durability tests 14
6.5.1 Vertical durability test of bed base 14
6.5.2 Horizontal durability test of bed frame 15
6.6 Vertical impact test 18

7 Test procedures -- Mechanisms for lifting bed bases 19
7.1 General 19
7.2 Durability of mechanisms for lifting bed bases 19

8 Test report 20

Annex A (informative) Guidance for the choice of loads, cycles etc. for stability, strength and durability tests of beds 21