DIN EN 527-3:2003-06 (E)

Office furniture - Work tables and desks - Part 3: Methods of test for the determination of the stability and the mechanical strength of the structure

Contents

Page

Foreword ... 2

1 Scope ... 3

2 Normative references ... 3

3 General test conditions ... 3
3.1 Preliminary preparation ... 3
3.2 Determination of the drawer test load ... 3
3.3 Tolerances ... 4

4 Test apparatus ... 4
4.1 Floor surface ... 4
4.2 Stops ... 4
4.3 Loading pad for the application of vertical forces ... 4
4.4 Horizontal force application device ... 4
4.5 Masses ... 4

5 Test methods ... 4
5.1 Stability ... 4
5.1.1 Purpose of the test ... 4
5.1.2 Test procedure ... 5
5.2 Strength under vertical force ... 5
5.2.1 Purpose of the test ... 5
5.2.2 Test procedure ... 5
5.3 Strength under horizontal force ... 6
5.3.1 Purpose of the test ... 6
5.3.2 Test procedure ... 6
5.4 Fatigue under horizontal force ... 7
5.4.1 Purpose of the test ... 7
5.4.2 Test procedure ... 7
5.5 Fatigue under vertical force ... 8
5.5.1 Purpose of the test ... 8
5.5.2 Test procedure ... 8
5.6 Drop test ... 9
5.6.1 Purpose of the test ... 9
5.6.2 Test procedure ... 9

6 Test report ... 10

Annex A (informative) Stiffness of the structure ... 11
A.1 Purpose of the test ... 11
A.2 Test procedure ... 11