

ISO 19682:2023-07 (E)

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

| Contents | | Page |
|--------------------|---|-------------|
| Foreword | | v |
| Introduction | | vi |
| 1 | Scope | 1 |
| 2 | Normative references | 1 |
| 3 | Terms and definitions | 1 |
| 4 | General test conditions | 2 |
| 4.1 | Preliminary preparations | 2 |
| 4.2 | Application of forces | 3 |
| 4.3 | Tolerances | 3 |
| 5 | Test equipment and apparatus | 3 |
| 6 | Test procedures - strength and durability | 6 |
| 6.1 | General | 6 |
| 6.2 | Horizontal static load test | 6 |
| 6.3 | Vertical static load tests | 11 |
| 6.3.1 | Vertical static load on main surface | 11 |
| 6.3.2 | Additional vertical static load test where the main surface has a length > 1 600 mm | 12 |
| 6.3.3 | Vertical static load on end extension | 13 |
| 6.4 | Horizontal durability and stiffness test | 14 |
| 6.4.1 | General | 14 |
| 6.4.2 | Horizontal durability test | 15 |
| 6.4.3 | Stiffness of the structure | 19 |
| 6.5 | Vertical durability test | 20 |
| 6.6 | Vertical impact test | 20 |
| 6.6.1 | General | 20 |
| 6.6.2 | Vertical impact test for all other table tops | 21 |
| 6.7 | Deflection of table tops | 21 |
| 6.8 | Durability of tables with castors | 22 |
| 6.9 | Drop test | 22 |
| 6.10 | Table top-to-leg assembly strength | 23 |
| 7 | Test procedures - stability | 28 |
| 7.1 | General | 28 |
| 7.2 | Stability under vertical load | 28 |
| 7.2.1 | General | 28 |
| 7.2.2 | Test for tables that are or can be set to a height of 950 mm or less | 28 |
| 7.2.3 | Test for tables that are or can be set to a height greater than 950 mm | 29 |
| 7.3 | Stability for tables with extension elements (drawers) | 29 |
| 7.4 | Stability of tables designed to support a parasol | 29 |
| 7.5 | Horizontal stability test for tables with castors | 30 |
| 7.6 | Force stability test for tall products | 31 |
| 8 | Test procedures - height adjustment mechanism | 33 |
| 8.1 | General | 33 |
| 8.2 | Durability of height adjustment mechanism | 33 |

| | | |
|------------------------------|--|-----------|
| 9 | Tilting top table -- cycle test | 35 |
| 9.1 | Test setup | 35 |
| 9.2 | Test procedure | 36 |
| 10 | Tilting top table - latch strength test | 36 |
| 10.1 | Test setup | 36 |
| 10.2 | Test procedure | 36 |
| 11 | Test report format | 37 |
| Annex A (informative) | Guidance for the choice of loads, cycles, etc. for table and desk furniture strength, durability, and stability tests | 39 |
| Annex B (informative) | Purpose and applicability | 44 |