REPORT
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# Testing of Venus table with tabletop basic Ø1400 mm

(1 appendix)

## 1 Introduction

On behalf of Johanson Design AB, a Venus table with tabletop basic Ø1400 mm has been tested by SP in accordance with SS-EN 1730:2000 the test is consistent with the requirements of FMV[1] for furniture for contract use, conference and worktable dated 2007.12.17.

## 2 Test specimen

*Figure 1 Venus table with tabletop basic Ø1400 mm*

| | |
|---|---|
| Dimensions of the table (ØxH): | 1400x690 mm |
| Table top: | Laminate Ø1400 mm, thickness 25 mm |
| Frame: | Steel column Ø89 mm |
| Foot: | Steel plate Ø740 mm |

The test specimen was selected by the client and arrived at SP 2009.10.21.

[1]Swedish Defence Material Administration

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## 3 Test methods and test procedure

The test was performed according to SS-EN 1730:2000 Domestic furniture - Tables - Test methods for determination of strength, durability and stability

Before testing the test specimen was conditioned for one week in a climate of 23°C ± 2°C and 50 ± 5% relative humidity, in accordance with the standard. Testing was carried out in this climate.

The test methods are explained in Appendix 1, and comply with the requirements of FMV for tables for contact use, dated 2007.12.17.

The test was carried out over the period 2009.11.13 – 12.01.

## 4 Results

The result is reported in Appendix 1.

At the end of the test, the tested piece did not exhibit any faults, fractures or other damage judged to affect its safety, function or appearance when used in accordance with SS-ENV 12521.

The requirements regarding strength and durability have been met.

The test results apply solely to the specimen tested.

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**Appendix**

Test record (3 pages)

This is a translation from the Swedish original document. In the event of any dispute as to the content of the document, the Swedish text shall take precedence

Appendix 1

**Table**

| 1. | General requirements | Test | References: Requirements |
|---|---|---|---|
| 1.1 | Components or parts accessible during normal use shall have no burrs, sharp edges or sharp points. | √ | ENV 12521. Clause 4.1 |
| 1.2 | There shall be no open ended tubes. | - | ENV 12521. Clause 4.1 |
| 1.3 | Shear and squeeze points.<br>The distance between moving parts accessible during normal use shall be kept to<br>≤ 8 mm or ≥ 25 mm in any position during movement. | - | ENV 12521. Clause 4.2 |
| 1.3.1 | Shear and squeeze points when setting up and folding.<br>The requirements in 1.3 are not applicable when shear and squeeze points are created only when setting up and folding. | - | ENV 12521. Clause 4.2.1 |
| 1.3.2 | Shear and squeeze points under the influence of powered mechanisms.<br>The requirements in 1.3 are applicable to all moving parts created by parts operated by powered mechanisms, including springs. | - | ENV 12521. Clause 4.2.2 |
| 1.3.3 | Shear and squeeze points under body weight are not acceptable if unintentional movement of the parts may occur so that a hazard is created by the weight of the user. | - | ENV 12521. Clause 4.2.3 |

| 2. | Stability | Test | References: Requirements / Test method |
|---|---|---|---|
| | The table shall not overturn.<br>The stability requirements shall be fulfilled before and after the tests specified in clause 3 – Safety and Strength and Durability (performance). | √ | EN 1730. Clause 6.7 |

Appendix 1

**Table**

| 3. | **Safety, strength and durability (performance)** | **Cycles** | **Forces / loads** | **Test** | **References: Requirements / Test methods** |
|---|---|---|---|---|---|
| 3.1 | Horizontal static load test | | | | EN 1730. Clause 6.2 |
| | Direction A-B | 10 | 600 N | √[1] | |
| | Direction D-C | 10 | 300 N | √[2] | |
| 3.2 | Vertical static load test | | | | EN 1730. Clause 6.3 |
| | Main surface | 10 | 1250 N | √[3] | |
| | Ancillary surface | 10 | 350 N | - | |
| 3.3 | Vertical fatigue test<br>Concerns pedestal and cantilever tables only. | 10 000 | 500 N | √ | EN 1730.Clause 6.5 |
| 3.4 | Horizontal fatigue test | 10 000 | 450 N | √ | EN 1730.Clause 6.4 |
| 3.5 | Drop test | 5 | 300 mm | √ | EN 527-2. Clause 4.2<br>EN 527-3. Clause 5.6 |

√ The test has been completed without any remarks
⊗ The requirement is not fulfilled

[1] Movement under load was measured to 6 mm
[2] Movement under load was measured to 4 mm
[3] Movements under load was measured to 19 mm