

Johanson Design AB  
Anders Anderssons väg 7  
285 35 MARKARYD  
SWEDEN

## Testing of Discus Ø1700 table

(1 appendix)

### Summary

Discus Ø1700 table meet the requirements for strength and safety according to EN 15372:2008, level 2.

### 1 Introduction

On behalf of Johanson Design AB, a Discus Ø1700 table has been tested by SP in accordance with EN 15372:2008 Furniture - Strength, durability and safety - Requirements for non-domestic tables, level 2.

### 2 Test specimen



**Figure 1** Discus Ø1700 table

Dimension: W=1700 mm, D=1700 mm, H=720 mm  
Table top: Laminated 23 mm thick MDF  
Frame/ Leg: Metal  
Other info:

The test specimen was selected by the customer and arrived at SP 2014-03-19.

---

#### SP Technical Research Institute of Sweden

Postal address  
SP  
Box 857  
SE-501 15 BORÅS  
Sweden

Office location  
Västeråsen  
Brinellgatan 4  
SE-504 62 BORÅS

Phone / Fax / E-mail  
+46 10 516 50 00  
+46 33 13 55 02  
info@sp.se

Laboratories are accredited by the Swedish Board for Accreditation and Conformity Assessment (SWEDAC) under the terms of Swedish legislation. This report may not be reproduced other than in full, except with the prior written approval of the issuing laboratory.

### 3 Test methods and test procedure

The test was carried out according to EN 15372:2008 Furniture - Strength, durability and safety - Requirements for non-domestic tables, level 2.

The test was carried out in climate  $23 \pm 2^\circ \text{C}$  and  $50 \pm 5\%$  relative humidity.

The test methods are explained in table 1-3.

The test was carried out 2014-04-29 – 2014-05-14

### 4 Results

**Table 1**

| 1.    | General requirements  | EN 15372     | Results |
|-------|---|--------------|---------|
| 1.1.1 | Edges of table tops which are directly in contact with the user are rounded or chamfered, and all other edges accessible during intended use are free from burrs and/or sharp edges.  | 5.1          | Passed  |
| 1.1.2 | Open ends of hollow component shall be closed or capped.  | 5.1          | Passed  |
| 1.1.3 | Movable and adjustable parts shall be designed so that injuries and inadvertent operation are avoided.  | 5.1          | N/A     |
| 1.1.4 | Load bearing part shall not come loose unintentionally.   | 5.1          | Passed  |
| 1.1.5 | All parts which are lubricated shall be designed to protect users from lubricant stains when in normal use.   | 5.1          | N/A     |
| 1.1.6 | The distance between moving parts accessible during normal use shall be kept to $\leq 7 \text{ mm}$ or $\geq 18 \text{ mm}$ in any position during movement.<br>(Not applicable when shear and squeeze points are created only when setting up and folding) | 5.2.1<br>3.3 | N/A     |
| 1.1.7 | There shall be no shear and squeeze points created by parts of the table operated by powered mechanisms, i.e. springs, gas lifts and motorized systems.   | 5.2.2        | N/A     |
| 1.1.8 | There shall be no shear and squeeze points created by forces applied during normal use, There shall be no shear and squeeze points if a hazard is created by the user during normal movements and actions, e.g. attempting to move the table.               | 5.2.3        | Passed  |

**Table 2**

| 2. | Stability  | EN 1730 | Results |
|----|--|---------|---------|
| 2. | The table shall not overturn. The stability requirements shall be fulfilled before and after the tests specified in table 3 – Strength, Durability | 6.7     | Passed  |

**Table 3**

| 3   | Strength, durability  | EN 1730                | Cycles   | Load             | Results       |
|-----|---|------------------------|----------|------------------|---------------|
| 3.1 | Horizontal static load test<br>- high tables > 600 mm<br>- low tables < 600 mm                          | 6.2                    | 10<br>10 | 400 N<br>200 N   | Passed<br>N/a |
| 3.2 | Vertical static load test<br>- main surface<br>- ancillary surface                                      | 6.3                    | 10<br>10 | 1250 N<br>200 N  | Passed<br>N/A |
| 3.3 | Horizontal fatigue test   | 6.4                    | 15 000   | 300 N            | Passed        |
| 3.4 | Vertical fatigue test<br>(For cantilever or pedestal tables)  | 6.5                    | 15 000   | 300 N            | Passed        |
| 3.5 | Vertical impact test<br>(for tables without glass)  | 6.6                    | 10       | 180 mm           | Passed        |
| 3.6 | Vertical impact test<br>-for tables with safety glass<br>-for tables with other glass                   | 6.6                    | 10<br>10 | 180 mm<br>240 mm | Passed<br>N/A |
| 3.7 | Drop test (for tables weighting more than 20 kg)<br>-for tables without glass<br>-for tables with glass | EN<br>15372<br>Annex A | 5<br>5   | 100 mm<br>50 mm  | Passed        |

## 5 Conclusion

At the end of the test, the tested piece did not exhibit any faults, fractures or other damage judged to affect its safety and functions when used in accordance with EN 15372:2008.

The test results apply solely to the specimen tested.

## SP Technical Research Institute of Sweden Wood Technology

Performed by

Examined by

Hans Eriksson

Bengt-Åke Andersson

## Appendix

1. Pictures (1 page)

## Appendix 1

### Pictures



**Figure 1** Test specimen, underneath