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Testing of Discus meeting table

(1 appendix)

Summary

Discus meeting 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 meeting 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 meeting table

Dimension: W=2400 mm, D=1100 mm, H=720 mm
Table top: Laminated MDF 24 mm thick
Frame/Leg: Metal profiles 20 x 40 mm

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

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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 2014-04-15 – 2014-04-28.

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. (Not applicable when shear and squeeze points are created only when setting up and folding)	5.2.1 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 - high tables > 600 mm - low tables < 600 mm	6.2	10 10	400 N 200 N	Passed N/A
3.2	Vertical static load test - main surface - ancillary surface	6.3	10 10	1250 N 200 N	Passed N/A
3.3	Horizontal fatigue test	6.4	15 000	300 N	Passed
3.4	Vertical fatigue test (For cantilever or pedestal tables)	6.5	15 000	300 N	Passed
3.5	Vertical impact test (for tables without glass)	6.6	10	180 mm	Passed
3.6	Vertical impact test -for tables with safety glass -for tables with other glass	6.6	10 10	180 mm 240 mm	N/A N/A
3.7	Drop test (for tables weighting more than 20 kg) -for tables without glass -for tables with glass	<i>EN</i> <i>15372</i> <i>Annex A</i>	5 5	100 mm 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

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Appendix

1. Pictures (1 page)

Appendix 1

Pictures



Figure 1 Discus meeting table



Figure 2 Discus meeting table