

Johanson Design AB
Anders Anderssons väg 7
285 35 MARKARYD
SWEDEN

Testing of T-bone Table

(1 appendix)

Summary

T-bone table meet the requirements for strength and safety according to EN 15372:2008, level 2.

1 Introduction

On behalf of Johanson Design AB, a T-bone 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 T-bone table

Dimension:	W=1200 mm, D=700 mm, H=725 mm
Table top:	Coated chipboard of 25mm thickness
Frame:	Metal
Leg:	Metal pillars \varnothing 80,8 mm
Mass:	22 kg

The test specimen was selected by the customer and arrived at SP 2013-10-04.

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

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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 2013-10-17 – 2013-11-22.

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.	5.2.1 3.3	N/A
1.1.7	The requirements in 1.1.6 are not applicable when shear and squeeze points are created only when setting up and folding.	5.2.1	N/A
1.1.8	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
1.1.9	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 -
3.2	Vertical static load test - main surface - ancillary surface	6.3	10 10	1250 N 200 N	Passed -
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	Passed -
3.7	Drop test (for tables weighting more than 20 kg) -for tables without glass -for tables with glass	EN 15372 Annex A	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

Ulf Lemke

Bengt-Åke Andersson

Appendix

1. Pictures (1 page)

Appendix 1

Pictures



Picture 1 T-bone table, underneath



Picture 2 T-bone table, underneath