

Testing of x-bone 60 table (1 appendix)

1 Introduction

On behalf of Johanson Design AB, a x-bone 60 table has been tested by SP in accordance with the requirements of FMV¹ for furniture for contract use, conference and worktable dated Dec 17, 2007.

2 Test specimen

Figure 1 x-bone 60 table



Measurements, table (WxH):	600x570 mm
Table top:	Laminate Ø600 mm, thickness 23,5 mm
Frame:	Steel column Ø51 mm
Feet:	Steel tube Ø16, Ø10 mm with a length of 296 mm

The test specimen was selected by the client and arrived at SP on Feb 14, 2008.

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3 Test methods and test procedure

The test specimen was not conditioned for one week in a climate of $23^{\circ}\text{C} \pm 2^{\circ}\text{C}$ and $50\% \pm 5\%$ relative humidity, in accordance with the standard. All testing was carried out in this climate.

The test was carried out over the period Feb 27 – March 2, 2008.

The test methods are explained in Appendix 1, and comply with the requirements of FMV for tables for public locations, dated Dec 17, 2007.

4 Results


The result is reported in Appendix 1.

5 Conclusions

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 requirement according to FMV for tables for public locations, conference and worktable has been met. The requirement according to stability has 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

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Reference
P801165A

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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. The distance between moving parts accessible during normal use shall be kept to ≤ 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. 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. 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. 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

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Appendix 1

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3.	Safety, strength and durability (performance)	Cycles	Forces / loads	Test	References: Requirements / Test methods
3.1	<u>Horizontal static load test</u>				EN 1730. Clause 6.2
	Direction A-B	10	600 N	√ ²	
	Direction D-C	10	300 N	√ ³	
3.2	<u>Vertical static load test</u>				EN 1730. Clause 6.3
	Main surface	10	1250 N	√ ⁴	
	Ancillary surface	10	350 N		
3.3	<u>Vertical fatigue test</u> Concerns pedestal and cantilever tables only.	10 000	500 N	√	EN 1730. Clause 6.5
3.4	<u>Horizontal fatigue test</u>	10 000	450 N	√	EN 1730. Clause 6.4
3.5	<u>Drop test</u>	5	300 mm	√	EN 527-2. Clause 4.2 EN 527-3. Clause 5.6

√ The test has been completed without any remarks

⊗ The requirement is not fulfilled

² Movement under load is measured to 6 mm.

³ Movement under load is measured to 3 mm.

⁴ Deflection under load is measured to 15 mm.

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Table

Pictures

Figur 2 x-bone 60 table column attachment in tabletop

