

Product Alku High A-leg (499A9080160)

Test requested by Martela AB, Brogatan 1, SE-57161, Bodafors

Test specimen

Table top	1600x800 mm
Top material	22 mm chipboard
Frame	Steel tube
Leg	Steel



Test method Determination of strength, durability and safety of non-domestic table presented in the standard EN 15372: 2008 Furniture – Strength, durability and safety – Requirements for non-domestic tables. Selected type on usage was level 2.

Tests were carried out according to the standards below. Detailed test program with results is presented in pages 2-4.

EN 15372:2008 Furniture. Strength, durability and safety. Requirements for non-domestic tables.

The test specimen was selected by Martela and arrived at Testing laboratory November 6, 2014. Tests were carried out January 2 – February 13, 2015 in temperature $23^{\circ}\text{C} \pm 2^{\circ}\text{C}$.

Assessment of results

Alku High A-leg table (499A9080160) with 1600x800 mm top meets the strength, durability and safety requirements of a non-domestic tables presented in the standards EN 15372:2008.

The test result is only valid to the specimen tested and no other.

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Martela Testing laboratory

Nummela, February 16, 2015

approved by:

Tero Karttunen
Quality and Test Manager

tested by:

Jarno Forsman
Laboratory Engineer

Ref.

Test report No.1259

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Table1. EN527-1:2011 Office furniture - Work tables and desks - Part 1: Dimensions

EN 15372:2008 Furniture – Strength, durability and safety – Requirements for non-domestic tables		
5 Safety requirements		RESULTS
(5.1) General	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.	OK
	Ends of hollow components are closed or capped.	OK
	Movable and adjustable parts shall be designed so that injuries and inadvertent operation are avoided.	OK
	It shall not be possible for any load bearing part of the table to come loose unintentionally.	OK
	All parts which are lubricated to assist sliding shall be designed to protect users from lubricant stains when in normal use.	N/A
(5.2.1) Shear and squeeze points when setting up and folding	Unless 5.2.2 or 5.2.3 are applicable, shear and squeeze points that are created only during setting up and folding are acceptable.	OK
	The edges of parts moving relative to each other and creating shear and squeeze points shall be as specified in 5.1.	
(5.2.2) Shear and squeeze points under influence of powered mechanisms	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.	N/A
(5.2.3) Shear and squeeze points during use	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.	OK
5.3 Stability		
(5.3.1.1) General	Tables that can be set to heights both above and below 950 mm shall be tested to both 5.3.1.2 and 5.3.1.3.	
(5.3.1.2) Test for tables that are or can be set to a height of 950 mm or less	The table shall be set to the height most likely to overturn the table, but not more than 950 mm. The table shall not overturn when tested according to Clause 6.7 of EN 1730:2000 using the forces specified within Table 2.	OK
(5.3.1.3) Test for tables that are or can be set to a height greater than 950 mm	The table shall be set to the height most likely to cause overturning, but not less than 950 mm. The table shall not overturn when tested according to Clause 6.7 of EN 1730:2000 using 50 % of the specified forces.	N/A
(5.3.2) Stability for tables with extension elements	The table shall not overturn when the vertical force specified is applied to the centre of the front of the table, through a loading pad.	N/A

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EN 15372:2008 Furniture – Strength, durability and safety – Requirements for non-domestic tables					
Test	Loading	1	2	3	RESULTS
1. Stability under vertical load EN 1730:2000: 6.7	Test force, N				OK
	Main surface V ₁	200	200	200	
	V ₂	400	400	400	
	Ancillary surface V ₁	100	100	100	
	V ₂	200	200	200	
2. Stability for tables with extension elements 5.3.2.	Test force, N	200	200	200	N/A
3. Horizontal static load EN 1730:2000: 6.2	Test force, N:				OK
	High (more than 600)	400	400	600	
	Low (600 or less)	200	200	300	
	10 times				
4. Vertical static load EN 1730:2000: 6.3	Test force, N:				OK
	a) main surface	1000	1250	1250	
	b) ancillary surface	200	300	300	
	10 times				
5. Horizontal fatigue EN 1730:2000: 6.4	Number of cycles: Test force 300N	10 000	15 000	20 000	OK
6. Vertical fatigue for cantilever of pedestal tables EN 1730:2000: 6.5	Number of cycles: Test force 300N	10 000	15 000	20 000	OK
7. Vertical impact for tables without glass in their construction EN 1730:2000: 6.6	Drop height, mm: 10 times	180	180	240	OK
8. Vertical impact for tables with glass in their construction load EN 1730:2000: 6.6 EN 14072:2003: 6 ²⁾	Drop height, mm: 10 times				
	Safety class ¹⁾	180	180	240	N/A
	Other class	240	240	300	N/A
9. Drop test for tables weighting more than 20 kg Annex A	Nominal drop height mm – tables without glass	100	100	100	OK
	Nominal drop height mm – tables with glass	50	50	50	N/A
DEFECTS AND OBSERVATIONS AFTER TEST PROCEDURE	No defects after tests				

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EN 15372:2008 Furniture – Strength, durability and safety – Requirements for non-domestic tables			
Requirements		Record	Result
(6.2) Strength and durability requirements	<ol style="list-style-type: none">1) there are no fractures of any member, joint or component,2) there are no loosening of joints intended to be rigid,3) table fulfils its functions after removal of the test loads4) table fulfils the stability requirements	Record whether the requirements are filled	OK

End of report

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