Martela Oyj
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TEST REPORT **530/15**

Inspiring spaces
Martela

Product **Frankie T-leg (822T73240120)**

Test requested by Martela Oyj, Takkatie 1, FI-00371, Helsinki

Test specimen

Table top	2400x1200 mm
Top material	22 mm chipboard
Frame	Steel
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 May 28, 2015. Tests were carried out June 05 – June 08, 2015 in temperature 22ºC ± 2ºC.

Assessment of results

Frankie T-leg table (822T73240120) with 2400x1200 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, May 08, 2015

approved by:

Tero Karttunen
Quality and Test Manager

tested by:

Jarno Forsman
Laboratory Engineer

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FINAS
Finnish Accreditation Service
T280 (EN ISO/IEC 17025)

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.	N/A
	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. The edges of parts moving relative to each other and creating shear and squeeze points shall be as specified in 5.1.	N/A
(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 Main surface V_1 V_2 Ancillary surface V_1 V_2	~~200~~ ~~400~~ ~~100~~ ~~200~~	200 400 100 200	~~200~~ ~~400~~ ~~100~~ ~~200~~	OK
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: High (more then 600) Low (600 or less) 10 times	~~400~~ ~~200~~	400 200	~~600~~ ~~300~~	OK
4. Vertical static load EN 1730:2000: 6.3	Test force, N: a) main surface b) ancillary surface 10 times	~~1000~~ ~~200~~	1250 300	~~1250~~ ~~300~~	OK
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)] Other class	~~180~~ ~~240~~	180 240	~~240~~ ~~300~~	N/A N/A
9. Drop test for tables weighting more than 20 kg Annex A	Nominal drop height mm – tables without glass Nominal drop height mm – tables with glass	~~100~~ ~~50~~	100 50	~~100~~ ~~50~~	OK 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	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 loads 4) table fulfils the stability requirements	Record whether the requirements are filled	OK

End of report

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