

Product Frankie 821DE 240x120

Test requested by Martela Oyj, Takkatie 1, 00370 Helsinki

Test specimen Top: MDF
Frame: Steel
Leg: Steel



Test method Determination of strength and durability of office table according to ISO 21016:2007 clause 6.6. Office furniture — Tables and desks — Test methods for the determination of stability, strength and durability

The test specimen was selected by Martela.

Tests were carried out 14.04.2016 – 30.04.2016 in temperature 22°C ± 2°C.

Results Testing methods and results are explained in page 1.

Assessment of the results

Frankie 821DE with top (240*120) meets the requirements of tables for stability, strength and durability as presented in the ISO 21016:2007 in clause 6.6.

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

This report may not be reproduced other than in full.

Martela Testing laboratory

Nummela, May 13, 2016

approved by:



Tero Karttunen
Quality and Test Manager

tested by:



Jarno Forsman
Laboratory Engineer

Ref.

Test record No. **1325**

Contact information:

Martela Oyj, Research Center, Tero Karttunen
direct +358 (0)10 345 5123, email: tero.karttunen@martela.fi

ISO 21016:2007 Office furniture — Tables and desks — Test methods for the determination of stability, strength and durability						
	Cycle s	Load, direction	Application point	Pad	Record	RESULTS
(6.1) STABILITY						
a) Max height 950mm	1	750N, vertical	100mm from the edge at the point most likely to overturn the table	100mm	Record weather the table overturns	N/A
b) Max height more than 950mm	1	375N, vertical				
(6.5.3) STIFFNESS OF THE STRUCTURE						
a) longitudinal direction	1	300N / 2sec	Center of longitudinal centreline and both sides		Record D (sum D1 and D2)	N/A
b) transverse direction	1	300N / 2sec	Center of transverse centreline and both sides		Record D (sum D1 and D2)	N/A
(6.6) DURABILITY OF THE HEIGHT ADJUSTMENT MECHANISM	Work tables: 5000 Other tables 2500	Load the table top with 45 kg applied on the centre of a line 300 mm in from the rear edge of the surface and at the side to side locations noted below.	-First 25% of cycles: Position the centre of the load 300 mm in from the left edge of the surface. - Next 50 % of cycles: Position the centre of the load in the middle of the surface. - Last 25 % of cycles: Position the centre of the load 300 mm in from the right edge of the surface.		Record and assess defects in accordance with 4.9.	OK

Explanation of results: OK=passed, Not OK=failed, N/A=not applicable

Ref.

Test record No.1325

Contact information:

Martela Oyj, Research Center, Tero Karttunen
direct +358 (0)10 345 5123, email: tero.karttunen@martela.fi