

Test Report

Report No.: 853925-10



**DANISH
TECHNOLOGICAL
INSTITUTE**

Gregersensvej
DK-2630 Taastrup
Tel. +45 72 20 20 00
Fax +45 72 20 20 19

info@teknologisk.dk
www.teknologisk.dk

Assignor: Four Design ApS
Lucernemarken 17
DK-5260 Odense S

Page 1 of 1
Jnas/jha/hbs
Order no.: 853925
No. of appendices: 2

Item: Model: **FourFold® 800 X 1800** – The test also covers FourFold® 800 x 1600,
750 x 1500, 700 x 1400

Type:	Table				
Depth:	800 mm	Width:	1800 mm	Height:	740 mm
Weight:	29 kg				
Materials:	Metal, particleboard, laminate				

Sampling: The test material was sampled by the client and received at the Danish Technological Institute 16-10-2023.

Method: ANSI/BIFMA X5.5-2021 Business + Institutional Furniture Manufacturers Association.
Desk Products

Period: The testing was carried out from 16-10-2023 to 01-11-2023.

Result: Model **FourFold® 800 X 1800** fulfils the requirements of ANSI/BIFMA X5.5-2021

Individual results appear from Appendix 1.

Storage: The test material will be destroyed after 1 month, unless otherwise agreed.

Terms: Accredited testing was carried out in compliance with international requirements (EN/ISO/IEC 17025:2005) and in compliance with Danish Technological Institute's General Terms and Conditions regarding Commissioned Work accepted by Danish Technological Institute. The test results apply to the tested products only. This report may be quoted in extract only if the laboratory has granted its written consent.

Date/place: 01-11-2023, Danish Technological Institute, Wood and Biomaterials, Taastrup

Jacob
Næsby

Digitally signed
by Jacob Næsby
Date: 2023.11.01
12:37:10 +01'00'

Jan
Hansen

Digitally signed
by: Jan Hansen
Date: 2023.11.01
12:15:31 +01'00'

Signature: Test responsible

Co-signatory



Order no. 853925-1
Appendix 1
Page 1 of 2
Initials jnas/jha/hbs

Testing of Model: FourFold® 800 X 1800

ANSI/BIFMA X5.5

Test		Result
4	Stability tests	
4.2	Stability with extendible elements open test	N/A
4.3	Stability under vertical load test	Passed
4.4	Horizontal stability test for desks/tables with casters	Passed
4.5	Horizontal stability test for keyboard/laptop tables (with and without casters)	N/A
4.6	Force stability test for tall desk/table products	N/A
5	Unit strength test	
5.2	Concentrated functional load test	Passed
5.3	Distributed functional load test	Passed
5.4	Concentrated proof load test	Passed
5.5	Distributed proof load test	Passed
5.6	Transaction surface torsion load test	N/A
5.7	Extendible element static load test	N/A
5.8	Benching systems – distributed functional load and stability test	N/A
5.9	Benching systems – distributed proof load test	N/A
6	Top load ease cycle test	Passed
7	Desk/table unit drop test	Passed
8	Leg strength test	
	A: Functional load: 364 N B: Functional load: 182 N A: Proof load: 546 N B: Proof load: 279 N	Passed
9	Separation tests for tall desk/table products	N/A
10	Extendible element cycle test	
10.2	Cycle test for extendible elements deeper than wide	N/A
10.3	Cycle test for extendible elements wider than deep	N/A
10.4	Cycle test for center/pencil drawers	N/A
11	Extendible element retention impact and durability (out stop) tests	N/A
12	Extendible element rebound test	N/A
13	Interlock strength test	N/A
14	Lock tests	
14.2	Force test for extendible element locks	N/A
14.3	Force test for door locks	N/A
14.4	Locking mechanism cycle test	N/A
15	Work surface vertical adjustment test	
16	Keyboard support and input device support adjustment tests	
17	Door tests	
17.2	Strength test for vertically-hinged doors, bi-fold doors and vertically re- ceding doors	N/A
17.3	Hinge override test for vertically-hinged doors	N/A

Order no. 853925-1
Appendix 1
Page 2 of 2
Initials jnas/jha/hbs

Testing of Model: FourFold® 800 X 1800

Test		Result
17.4	Vertically receding doors strength test	N/A
17.5	Horizontal receding doors strength test	N/A
17.6	Wear and fatigue test for hinged, horizontal sliding and tambour doors	N/A
17.7	Wear and fatigue test for vertical receding doors	N/A
17.8	Wear and fatigue test for horizontal receding doors	N/A
17.9	Vertical and horizontal receding door out stop test – cyclic impact and durability	N/A
17.10	Slam closed test for vertically hinged and vertically receding doors	N/A
17.11	Drop cycle test for horizontally hinged and horizontally receding doors	N/A
17.12	Slam test for doors that free fall open or closed	N/A
17.13	Slam open and closed test for doors that do not free fall	N/A
17.14	Door latch test	N/A
18	Durability test for desks and tables with casters	N/A
19	Pull force test	N/A
20	Tilt-top table – cycle test	Passed
21	Tilt-top table – latch strength test	N/A
22	Monitor arm strength test	N/A
23	Monitor arm cyclic test	N/A
24	Monitor arm dislodgement test	N/A
25	Unattached desk or table top retention test	N/A

N/A – Not applicable

Order no. 853925-1
Appendix 2
Page 1 of 1
Initials jnas/jha/hbs

Testing of Model: FourFold® 800 X 1800

Photo

