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SATRA reference: FUR0233046 /1511

Your reference:

Date of report: 24 March 2015

For the attention of: Fintan Lawlor

Samples received: 9 March 2015

TECHNICAL REPORT

Subject: Testing a desk, described as 'Switch 4 Person Desk (4 x desktop 2000mm x 800mm with scallops)', to †BS EN 527-1:2011, BS EN 527-2:2002 and BS EN 527-3:2003.

Conditions of Issue:

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Results given in this report refer only to the samples submitted for analysis and tested by SATRA. Comments are for guidance only.

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Please note uncertainty of measurement has not been applied to the results in this report. SATRA uncertainty of measurement values are available on request.

Report signed by: Geoff Bindley
Position: Department Manager
Department: Furniture and Floor Coverings

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ASSESSMENT OF THE SWITCH 4 PERSON DESK (4 X DESKTOP 2000MM X 800MM WITH SCALLOPS)

As requested by Edit Office, SATRA have assessed the 'Switch 4 Person Desk (4 x desktop 2000mm x 800mm with scallops)' submitted as detailed below.

SAMPLE SUBMITTED

Sample reference: Switch 4 Person Desk (4 x desktop 2000mm x 800mm with scallops)
 Date received: 9 March 2015
 Testing completed: 24 March 2014
 Testing conducted by: P.Burrows
 Reported by: G.Bindley

TESTS CARRIED OUT

BS EN 527-1: 2011 – Office furniture – Work tables and desks – Dimensions.

†BS EN 527-2: 2002 – Office furniture – Work tables and desks – Mechanical safety requirements.

BS EN 527-3: 2003 – Office furniture – Work tables and desks – Methods of test for the determination of the stability and the mechanical strength of the structure.

RESULTS

SWITCH 4 PERSON DESK (4 X DESKTOP 2000MM X 800MM WITH SCALLOPS)

BS EN 527-1: 2011 (Type C)

Dimension	Test Description	Result
h ₁	Height of the work surface	Pass (see Note 1)
t ₁ & t ₂	Maximum desk top thickness	Pass (see Note 1)
k ₁	Minimum height of knee clearance for standing position only	N/A
k ₂	Minimum depth of knee clearance for standing position only	N/A
k ₃	Minimum depth of foot clearance for standing position only	N/A
f ₁ & f ₂	Minimum height of minimum foot clearance	Pass
g ₁	Minimum legroom depth	Pass (see Note 1)
D	Minimum desk top depth	Pass (see Note 1)
W	Minimum legroom width	Pass (see Note 1)

†BS EN 527-2: 2002

Clause	Test Description	Result
3	General Design Requirements	
	Intermediate supporting elements	Pass (see Note 2)
	All edges and corners are free from burs and rounded and chamfered	Pass (see Note 2)
	Top surface edges and corners 2mm minimum radius	Pass (see Note 2)
	Safety distance less than 8mm or more than 25mm	Pass (see Note 2)
	Handles cannot trap fingers during intended use	N/A
	Ends of feet and hollow components are capped or closed	Pass (see Note 2)
4.2	Requirements for Structural Tests	Pass
4.3	Stability Requirements	Pass

BS EN 527-3: 2003

Clause	Test Description	Result
5.1	Stability	
5.1.2.1	Stability under Vertical Load	Pass
5.1.2.2	Stability with Drawers Open	N/A
5.2	Strength Under Vertical Force	
5.2.2	Vertical Static Test	Pass
5.3	Strength Under Horizontal Force	
5.3.2	Horizontal Static Test	Pass
5.4	Fatigue Under Horizontal Force	
5.4.2	Horizontal Fatigue Test	Pass
5.5	Fatigue Under Vertical Force	
5.5.2	Vertical Fatigue Test	Pass
5.6	Drop Test	
5.6.2	Drop Test	Pass

DISCUSSION

Note 1 An assessment was made at each seating position. It was considered that the centre of each table section, within the four positions, would be determined for each seating position.

Note 2: Whilst a supporting intermediate element was found between 100mm and 450mm from the front edge, it was not considered to be a hazard.

CONCLUSION

The 'Switch 4 Person Desk (4 x desktop 2000mm x 800mm with scallops)', submitted for testing by Edit Office, has satisfied the relevant requirements of BS EN 527-1: 2011 (Work tables and desks – Dimensions).

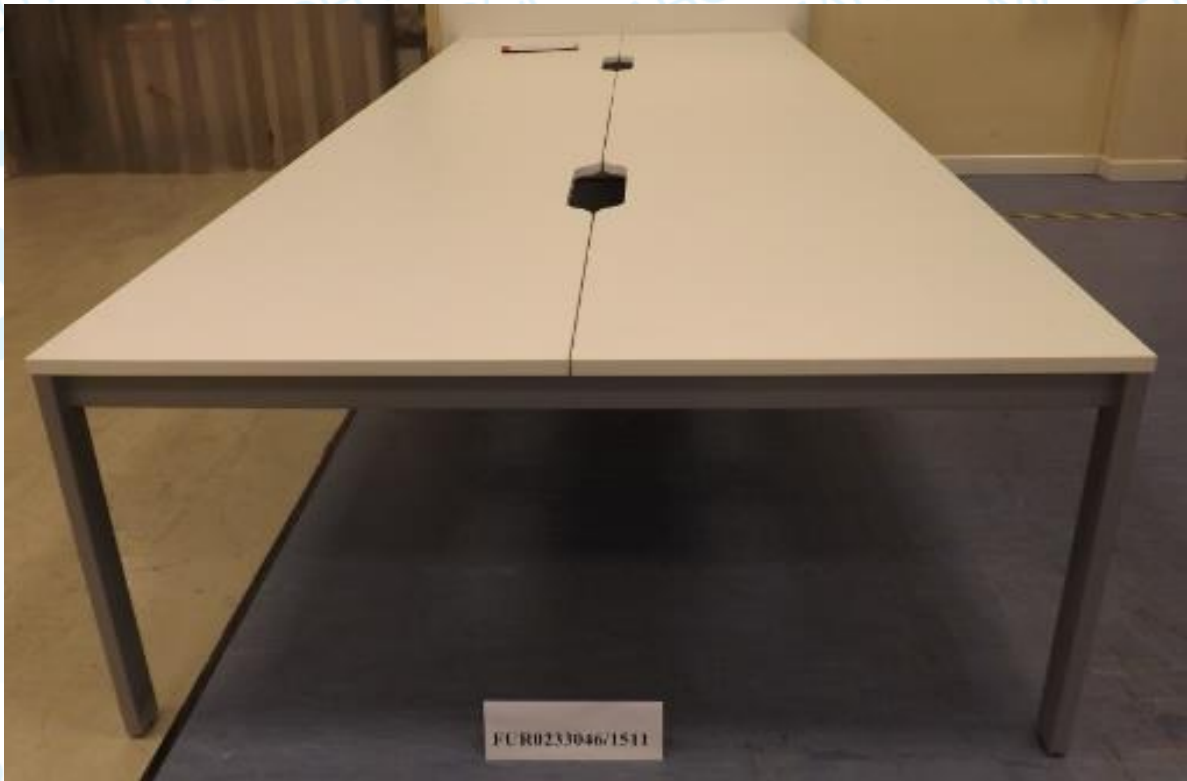
The 'Switch 4 Person Desk (4 x desktop 2000mm x 800mm with scallops)', supplied for testing by Edit Office, has satisfied the relevant mechanical safety requirements of †BS EN 527-2: 2002 (Mechanical safety requirements).

The 'Switch 4 Person Desk (4 x desktop 2000mm x 800mm with scallops)', supplied for testing by Edit Office, has satisfied the relevant strength and stability requirements of BS EN 527-3: 2003 (Methods of test for the determination of the stability and the mechanical strength of the structure).

EXTENSION OF THIS REPORT TO COVER OTHER TABLES

Based on the testing of the smallest table (see SATRA report FUR 0233044) and the largest tables (see this report FUR0233046) in the range, it can be concluded that all tables in the "Switch Range" satisfy the requirements of

BS EN 527-1: 2011 – Office furniture – Work tables and desks – Dimensions, †BS EN 527-2: 2002 – Office furniture – Work tables and desks – Mechanical safety requirements and BS EN 527-3: 2003 – Office furniture – Work tables and desks – Methods of test for the determination of the stability and the mechanical strength of the structure.



Picture 1: End view of the 'Switch 4 Person Desk (4 x desktop 2000mm x 800mm with scallops)'



Picture 2: Side view of the 'Switch 4 Person Desk (4 x desktop 2000mm x 800mm with scallops)'

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Issue Date: 1st October 2009