

# TECHNICAL REPORT



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## HAWK FURNITURE LIMITED

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North Yorkshire  
YO43 4BB

Our Ref: **TSTAF47919**

Date: 24 December 2013

Delivery Date: 13 November 2013

Test Dates: 14 November - 20 December 2013

For the attention of Mr Johnny Medd

## SAMPLE(S) FOR TEST:

One, Height Adjustable Desk

## TEST REQUIREMENTS:

BS EN 527: 2002 Parts 2 and 3

\*See Comments

## RESULT:

PASS\*

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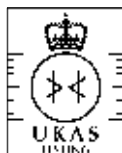
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Registered in England No. 3181481

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## DESCRIPTION

Item: Height Adjustable Desk

Supplied by: Hawk Furniture Limited

See Photos: One – Four

Overall Dimensions: 642- 938 mm High x 1601 mm Wide x 801 mm Deep

Qty	Item	Material
1	Table Top	25mm Thick MFC
2	Adjustable Legs	80.5mm Aluminium
1	Cross Rail	39.7mm Aluminium
1	Modesty Panel	2.5mm MFC

All dimensions are approximate.

## PRECONDITIONING AND MOISTURE CONTENT

FIRA cannot validate date of manufacture and therefore it is assumed that at least 4 weeks has elapsed between date of manufacture and delivery to FIRA.

Unless otherwise stated on the first page of this report the sample was stored in indoor ambient conditions for at least the minimum duration as required by this standard prior to test.

Wherever possible timber moisture content is verified prior to test. Where this is not possible the moisture content is assumed to be in the range 8 – 12 %.

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## **BS EN 527-2: 2002 MECHANICAL SAFETY REQUIREMENTS FOR OFFICE FURNITURE** **– WORK TABLES AND DESKS – CLAUSE 3 – GENERAL DESIGN REQUIREMENTS**

The requirements were assessed in accordance with the General Design Requirements, Clause 3 of BS EN 527-2: 2002. Details of the loads applied and their positions of application are retained at FIRA, Durability machines are operating at tolerance of  $\pm 5\%$  excluding UoM which are available upon request

Item: Height Adjustable Desk

Initial inspection: No apparent faults.

Conditioning: N/R

TEST	RESULT
Supporting Elements Shall be placed as to not restrict the movements of users	PASS
Intermediate Supporting Elements shall be positioned less than 100 mm or more than 450 mm from front edge of Table	N/A
All edges & corners free from burrs and rounded or chamfered	PASS
Work top surface edges & corners must be rounded with a radius of not less than 2 mm	PASS
Movable & adjustable parts must be designed to minimise risk of injuries and inadvertent operation or release	N/A
The safety distance between accessible movable parts is either $\leq 8$ mm or $\geq 25$ mm in any position during moment. The applies to any elements moving relative to each other, with the exception of doors (including hinges) and extension elements (including runners)	N/A
The handles are designed so that they cannot trap fingers during intended use	N/A
The ends of feet and hollow components are closed or capped	PASS

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## **BS EN 527-2: 2002 MECHANICAL SAFETY REQUIREMENTS FOR OFFICE FURNITURE** **– WORK TABLES AND DESKS – CLAUSE 4 – STRUCTURAL SAFETY REQUIREMENTS**

The requirements were assessed in accordance with the General Design Requirements, Clause 3 of BS EN 527-2: 2002. Details of the loads applied and their positions of application are retained at FIRA, Durability machines are operating at tolerance of  $\pm 5\%$  excluding UoM which are available upon request

Item: Height Adjustable Desk

Initial inspection: No apparent faults.

Conditioning: N/R

CLAUSE	TEST	RESULT
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 – Geometric centre	PASS
5.2	Strength Under Vertical Force – Centre of front edge	PASS
5.2	Strength Under Vertical Force – Corner of front edge	PASS
5.2	Strength Under Vertical Force – Over leg member	PASS
5.3	Strength Under Horizontal Force – Longitudinal	PASS
5.3	Strength Under Horizontal Force – Transverse	PASS
5.4	Fatigue Under Horizontal Force – Longitudinal	PASS
5.4	Fatigue Under Horizontal Force – Transverse	PASS
5.5	Fatigue Under Vertical Force	PASS
5.6	Drop Test	PASS*

\*See Comments

In extreme weather conditions the ambient test temperature and/or humidity may fall outside the requirements of the standard. Such changes have not been shown to affect the validity of the results. Details of the ambient conditions at time of test are available on request.

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## COMMENTS

When The Height Adjustable Desk, as previously described, was originally tested to the Drop Test – Clause 5.6 to BS EN 527:2002 – Part 3, it was noted that on the 8<sup>th</sup> drop, the modesty panel stripped from the cam and stud.

A replacement sample was submitted and successfully met the criteria of this test.

## CONCLUSION

The Height Adjustable Desk, as previously described, (with modification), successfully satisfied the applicable test requirements from BS EN 527-2 and 3: 2002.

Tested by: J Moore

Reported by: S Hackett

Approved by: M J Goodchild

Section Head – Structural Testing

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Photo 1: Height Adjustable Desk



Photo 2: Height Adjustable Desk

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Photo 3: Height Adjustable Desk



Photo 4: Height Adjustable Desk

\*\*\*\*\*End of Report\*\*\*\*\*

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