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**GRATNELLS LIMITED**  
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Our Ref: TSTAF95342  
Date: 18 December 2020  
Delivery Date: 08 December 2020  
Test Dates: 18 December 2020

For the attention of Anthony Byrne

## SAMPLE(S) SUBMITTED FOR TEST AND IDENTIFIED BY CUSTOMER AS:

One, Gratnells WorQ DesQ School Table – Sizemark 1

## TEST(S) AS REQUESTED BY CUSTOMER:

BS EN 1729-2: 2012 + A1: 2015 Sizemark 1

## RESULT:

Pass\*

\*Selected Testing Only.

Technical report references marked \* indicate this report is supplementary to the previous report with the same reference

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# TECHNICAL REPORT

## DESCRIPTION

Item: Gratnells WorQ DesQ School Table – Sizemark 1

Supplied by: **GRATNELLS LIMITED**

Number of Photos: One to Three

460mm High – 1200mm Wide – 600mm Deep

Qty	Item	Material
1	Top	20mm Thick Wood
4	Legs	25mm Thick Metal
	Joints	Bolted

All dimensions are approximate.

## PRECONDITIONING AND MOISTURE CONTENT

FIRA International 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 International.

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 %.



# TECHNICAL REPORT

## **BS EN 1729-2: 2012 + A1: 2015 Furniture – Chairs and Table for Educational Institutions – Part 2: Safety Requirements and Test Methods – Clause 4 – Safety Requirements**

The tests required were carried out in accordance with the standard. Where applicable details of the loads applied and their positions of application are retained at FIRA International and are available on request. Structural testing machines are set to operate at the tolerances stated in the standard. Uncertainty of Measurement calculations have not been applied. FIRA International Uncertainty of Measurement values are available on request.

Item: Gratnells WorQ DesQ School Table – Sizemark 1

Initial Inspection: No apparent faults

Clause	Test	Result
<b>4</b>	<b>Safety Requirements</b> (Clause Ref: BS EN 1729-2: 2012 + A1: 2015)	
4a	Edges of the seat, back rest and arm rests	N/A
4b	Edges of the handles	N/A
4c	All other edges and corners	Not Tested
4d	Distance between accessible moving parts operated by powered mechanisms	N/A
4e	No accessible gaps > 8 mm and < 25 mm created during normal movements and actions	N/A
4f	Adjustment controls	N/A
4g	Open ends and feet	Not Tested
4h	Parts shall not be detachable	Not Tested
4i	Lubricated parts shall be covered	N/A
4j	Finish of the work surface	Not Tested
4k	Chairs shall not overturn	N/A
4l	Chairs shall show no structural failure	N/A
4m	Tables shall not overturn ( <i>in accordance with BS EN 1730:2012, 7.2</i> )	Pass
4n	Tables shall show no structural failure	Not Tested

Not Tested: Due to customer request.

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.



# TECHNICAL REPORT

## **BS EN 1729-2: 2012 + A1: 2015 Furniture – Chairs and Table for Educational Institutions – Part 2: Safety Requirements and Test Methods – Clause 4 – Safety Requirements**

The tests required were carried out in accordance with the standard. Where applicable details of the loads applied and their positions of application are retained at FIRA International and are available on request. Structural testing machines are set to operate at the tolerances stated in the standard. Uncertainty of Measurement calculations have not been applied. FIRA International Uncertainty of Measurement values are available on request.

Item: Gratnells WorQ DesQ School Table – Sizemark 1

Initial Inspection: No apparent faults

Clause	Test	Result
5.2	<b>Stability</b> (Clause Ref: BS EN 1729-2: 2012 + A1: 2015)	
5.2.2	Forward stability.	N/A
5.2.3.1	Sideways stability of chairs without armrests.	N/A
5.2.3.2	Sideways stability of chairs with armrests.	N/A
5.2.4	Rearwards stability.	N/A
5.2.5	Chairs with backrest inclination.	N/A
	<b>Strength and Durability</b>	
5.3.2	Seat static load.	N/A
5.3.2	Back static load.	N/A
5.3.3	Seat durability.	
5.3.3	Back durability.	
5.3.4	Seat front edge durability.	
5.3.5	Sideways static load of chairs.	N/A
5.3.6	Forward static load of chairs.	N/A
5.3.7	Seat impact of chairs.	N/A
5.3.8	Back impact of chairs.	N/A
5.3.9	Static load of foot rail.	N/A
5.3.10	Drop test of chairs.	N/A
5.3.11	Foot rest durability.	N/A
5.3.12	Armrest vertical static load of armrests – Vertical Static.	N/A
5.3.12	Armrest vertical static load of armrests – Overload.	

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.



# TECHNICAL REPORT

## **BS EN 1729-2: 2012 + A1: 2015 Furniture – Chairs and Table for Educational Institutions – Part 2: Safety Requirements and Test Methods – Clause 4 – Safety Requirements**

The tests required were carried out in accordance with the standard. Where applicable details of the loads applied and their positions of application are retained at FIRA International and are available on request. Structural testing machines are set to operate at the tolerances stated in the standard. Uncertainty of Measurement calculations have not been applied. FIRA International Uncertainty of Measurement values are available on request.

Item: Gratnells WorQ DesQ School Table – Sizemark 1

Initial Inspection: No apparent faults

Conditioning: N/R

Clause	Test	Result
6.1	<b>Stability</b> (Clause Ref: BS EN 1729-2: 2012 + A1: 2015)	
6.1.2	Stability of tables, vertical load.	Pass
6.2	<b>Strength and Durability</b>	
6.2.2	Horizontal static load.	Not Tested
6.2.3	Horizontal durability - longitudinal.	Not Tested
6.2.3	Horizontal durability - transverse.	Not Tested
6.2.4	Vertical static load. (tables ≤1000mm)	N/A
6.2.4	Vertical static load. (tables >1000mm)	Not Tested
6.2.5	Vertical durability.	Not Tested

Not Tested: Due to customer request.

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.



# TECHNICAL REPORT

## CONCLUSION

The Gratnells WorQ DesQ School Table – Sizemark 1, as previously described, successfully satisfied the selected stability test requirements of BS EN 1729-2: 2012 +A1: 2015 Sizemark 1.

Tested by: S Crisp

Reported by: G Wright

Approved by: L Haines

Section Head - Structural Testing



# TECHNICAL REPORT



Photo 1 - Gratnells WorQ DesQ School Table – Sizemark 1



Photo 2 - Gratnells WorQ DesQ School Table – Sizemark 1



Photo 3 - Gratnells WorQ DesQ School Table – Sizemark 1

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