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CONSET AMERICA  
Date: 6/13/14

Report No.: 101479431GRR-001  
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**Test Report For:**  
**CONSET AMERICA**  
**ANSI/BIFMA X5.5-2014**  
**FOR DESK/TABLE PRODUCTS**  
**501-27 Adjustable Table**

**Andrew Barber**  
**Reviewer**

**James Jantz**  
**Senior Project Manager**

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**DATES RECEIVED:** 1/8/14,5/9/14  
**DATES TESTED:** 1/9/14-6/3/14

**DESCRIPTION OF SAMPLES:**

Part Description: 501-27 Adjustable Table  
Condition of Test Sample: Production

**WORK REQUESTED/APPLICABLE DOCUMENTS:**

To test the submitted samples per ANSI/BIFMA X5.5-2014 Desk Product Test Standard for the following test program:

Test Number	Test Description
4.3	Stability Under Vertical Load Test
5	Unit Strength Test
6	Top Load Cycle Test
7	Desk/Table Unit Drop Test
8	Leg Strength Test
15	Work Surface Vertical Adjustment Test

**CONCLUSION:**

The submitted sample meets the acceptance criteria of the tests listed above.

**TEST EQUIPMENT:**

Asset	Description	Manufacturer	Cal Date	Cal Due
138002	25 LB BAG WEIGHTS	FAIRBANKS	11/24/2006	VBU
138012	SCALE / 0-1,000 #	FAIRBANKS	12/11/2013	12/11/2014
138112	GRADUATED RULE 36"	STARRETT	10/11/2013	10/11/2014
138272	LOAD CELL 0-1,000 #	CHATILLON	10/16/2013	10/16/2014
138039.12	BAG WEIGHT (200 lbs)	ENTELA	07/16/2007	VBU
138044	COUNTER / VERTICAL CYLINDER	Unknown	VBU	VBU
138302	STOPWATCH	FISHER SCIENTIFIC	07/10/2012	07/10/2014

#### **4.3 STABILITY UNDER VERTICAL LOAD TEST:**

Date Tested: 1/9/14  
Condition of Test Sample: Production

Test Procedure:

Test Method: ANSI/BIFMA X5.5-2014; Test No. 4

The unit shall be leveled. Placement of the load shall be on a 12" diameter disk 1" from the edge at the least stable position.

Top Load: 125 lbs.  
Number of Samples Tested: One (1)

Acceptance Criteria:

The unit shall not tip over.

Results:

The submitted sample meets the acceptance level criteria of the test described above.



**Stability Under Vertical Load Test**

**5. UNIT STRENGTH TEST:**

Date Tested: 5/21/14  
Condition of Test Sample: Production

Test Procedure:

Test Method: ANSI/BIFMA X5.5-2014, Test No. 5

Surface to be Tested	Work Surface
Surface Size:	71 3/4" x 30"
<u>Concentrated Load (lbs)</u>	
Functional:	200
Proof:	300
<u>Distributed Load (lbs)</u>	
Functional:	305
Proof:	468

Number of Samples Tested: One (1)

Acceptance Criteria:

Functional Load: There shall be no loss of serviceability.

Proof Load: There shall be no major change in the structural integrity.

Results:

The submitted sample meets the acceptance level criteria of the test described above.



**Functional Concentrated Load**



**Distributed Functional Load**



**Concentrated Proof Load**



**Distributed Proof Load**

**6 – TOP LOAD EASE TEST:**

Date Tested: 5/30-6/2/14  
Condition of Test Sample: Production

Test Procedure:

Test Method: ANSI/BIFMA X5.5-2014, Test No. 6

Number of Cycles: 10,000  
Load: 200 lbs.  
Cycles Per Minute: 14 ± 6  
Load Drawers with: 0.017 lb/cu. In.  
Load Area: 16" Diameter  
Number of Samples Tested: One (1)

Acceptance Criteria:

No loss of serviceability. A pull force to overcome anti-rebound or interlock and to fully extend the drawer shall not exceed 11.2 lbs.

Results:

Number of Cycles	Description of Results
10,000	Pass

The submitted sample meets the acceptance level criteria of the test described above.



**Top Load Ease Test**

**7 – DESK/TABLE UNIT DROP TEST:**

Date Tested: 6/3/14  
Condition of Test Sample: Production

Test Procedure:

Test Method: ANSI/BIFMA X5.5-2014; Test No. 7

NOTE: Test applies to freestanding Category 1 Desk or Tables that are less than 72" in length. Test does not apply to units with casters.

Set all adjustable features at midpoint.

Weight of Unit: 115 lbs.  
Height of Drop: 4.7 in"

Number of Samples Tested: One (1)

Acceptance Criteria:

There shall be no loss of serviceability.

Results:

The submitted sample meets the acceptance level criteria of the test described above.



**Desk/Table Unit Drop Test**

**8 – LEG STRENGTH TEST:**

Date Tested: 6/3/14  
Condition of Test Sample: Production

Test Procedure:

Test Method: ANSI/BIFMA X5.5-2014; Test No. 8

NOTE: Based on the Desk or Table Category.  
Calculate Functional and Proof Loads.

Unit Weight: 115 lbs.

Functional Load:

Inward Static Load to Leg: 100 lbf.  
Outward Static Load to Leg: 50 lbf.

Proof Load:

Inward Static Load to Leg: 150 lbf.  
Outward Static Load to Leg: 75lbf.

Number of Samples Tested: One (1)

Acceptance Criteria:

Functional Load: No loss of serviceability.

Proof Load: No major changes in the structural integrity.

Results:

The submitted sample meets the acceptance level criteria of the test described above.



**Leg Strength Test-Outward**



**Leg Strength Test-Inward**

**15. WORK SURFACE VERTICAL ADJUSTMENT TEST:**

Date Tested: 5/12-5/19/14  
Condition of Test Sample: Production

Test Procedure:

Test Method: ANSI/BIFMA X5.5-2014; Test No. 15

Number of Cycles: 1,000 in each quartile.  
Load: 100 lbs.  
Cycle Rate: Recommended by manufacturer or six (6) cycles per minute.  
Number of Samples Tested: One (1)

Acceptance Criteria:

There shall be no loss of serviceability. For tables with crank driven adjustment mechanisms, the operating force on the handle to adjust the table shall not exceed 11.2 lbs.

Results:

The submitted sample meets the acceptance level criteria of the test described above.



**Work Force Vertical Adjustment Test**

### Revisions Made To Test Report

[illegible]