



4700 Broadmoor SE, Suite 200  
Kentwood, MI 49512

Telephone: 616-656-7401  
Facsimile: 616-656-2022  
www.intertek-etlsemko.com

EMECO  
Date: August 4, 2016  
P.O. No. N/A

Report No.: 102677965GRR-001A  
Quote No.: 698202  
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**Test Report For:**

**Emeco**

**ANSI/BIFMA X5.5-2014 Desk Product Test  
Standard**

**Run Collection 2440mm x 830mm x 730mm Table**

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

**Andrew Barber**  
**Reviewer**

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Attention: Mr. Magnus Brietling  
Emeco  
805 W Elm Ave.  
Hanover, PA 17331-4706  
Phone: (717) 637-5951 x4  
Email: magnus@emeco.net

**DATE RECEIVED:** July 25, 2016  
**DATES TESTED:** July 26, 2016 – July 27, 2016

**DESCRIPTION OF SAMPLES:**

Part Description: Run Collection  
2440mm x 830mm x 730mm Table  
Condition of Test Sample: Production  
Material Description: top surface is ash wood and the frame is clear  
anodized aluminum

**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 No.	Test Description
4.3	Stability Under Vertical Load Test
5.2	Concentrated Functional Load Test
5.3	Distributed Functional Load Test
5.4	Concentrated Proof Load Test
5.5	Distributed Proof Load Test
6	Top Load Ease Cycle Test
8	Leg Strength Test

**CONCLUSION:**

Test	Results	Notation
ANSI/BIFMA X5.5-2014 #4.3 Stability Under Vertical Load Test	Compliant	No loss of serviceability.
ANSI/BIFMA X5.5-2014 #5.2 Concentrated Functional Load Test	Compliant	No loss of serviceability.
ANSI/BIFMA X5.5-2014 #5.3 Distributed Functional Load Test	Compliant	No loss of serviceability.
ANSI/BIFMA X5.5-2014 #5.4 Concentrated Proof Load Test	Compliant	No loss of serviceability.
ANSI/BIFMA X5.5-2014 #5.5 Distributed Proof Load Test	Compliant	No loss of serviceability.
ANSI/BIFMA X5.5-2014 #6 Top Load Ease Cycle Test	Compliant	No loss of serviceability.
ANSI/BIFMA X5.5-2014 #8 Leg Strength Test	Compliant	No loss of serviceability.

**TEST EQUIPMENT:**

Asset	Description	Cal Date	Cal Due
138002	25 LB BAG WEIGHTS (96)	11/24/2006	VBU
138012	SCALE / 0-1,000 #	11/12/2015	11/12/2016
138044	COUNTER / VERTICAL CYLINDER	VBU	VBU
138112	GRADUATED RULE 36"	10/11/2013	10/11/2018
138272	LOAD CELL 0-1,000 #	10/16/2015	10/16/2016
138400	Stopwatch	04/26/2016	04/26/2017

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

Date Tested: July 26, 2016  
Condition of Test Sample: Production

Test Procedure:

Test Method: ANSI/BIFMA X5.5-2014; Test No. 4.3

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. (2 loads)

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. Refer to the following page for photograph.



**Stability Under Vertical Load Test**

### 5.2 – 5.5 UNIT STRENGTH TESTS

Date Tested: July 26, 2016  
Condition of Test Sample: Production

Test Procedure:

Test Method: ANSI/BIFMA X5.5-2014; Test No. 5.2 – 5.5

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:

Sample ID	Surface Size	Concentrated Load	Results
1	257 lin. in.	Functional: 200 lbs.(2 loads)	Pass
		Proof: 300 lbs. (2 loads)	Pass

Sample ID	Surface Size	Distributed Load	Results
1	257 lin. in.	Functional: 386 lbs.	Pass
		Proof: 592 lbs	Pass

The submitted sample meets the acceptance level criteria of the test described above. Refer to the following pages for photographs.



**Concentrated Functional Load Test**



**Concentrated Proof Load Test**





**Distributed Functional Load Test**



**Distributed Proof Load Test**

**6. TOP LOAD EASE CYCLE TEST**

Date Tested: July 26 – July 27, 2016  
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. Refer to the following page for photograph.



**Top Load Ease Test**

## 8. LEG STRENGTH TEST

Date Tested: July 27, 2016  
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: 103 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: 75 lbf.

Number of Samples Tested: One (1)

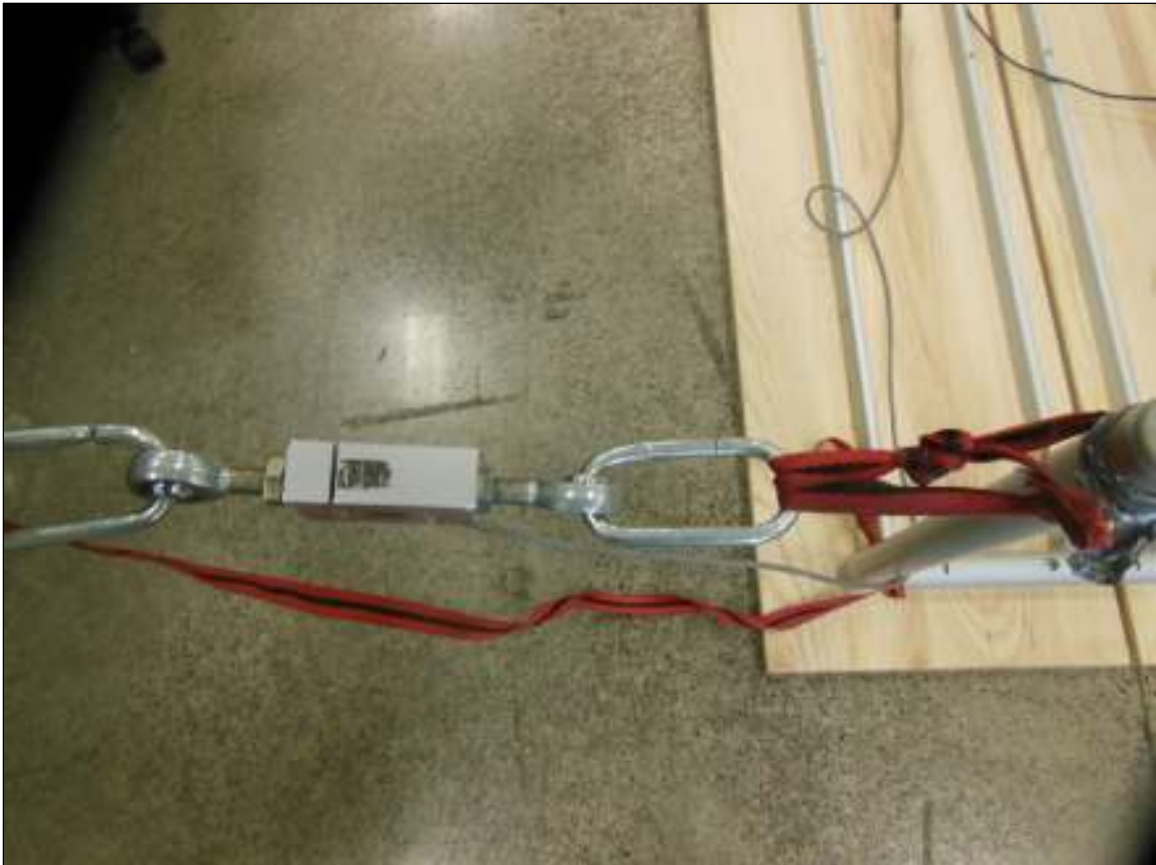
### Acceptance Criteria:

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.  
Refer to the following page for photograph.



**Leg Strength Test**

**Revisions Made To Test Report**

Date	Revision Description	Revised by	Revised by
4-August-2016	Initial release.	James Jantz	