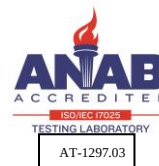




Test Report
4791664491.3
UL Solutions
3480 Windquest Dr.
Holland, MI 49424
<https://www.ul.com/industries/products-and-components/furniture>
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Requester:	National Public Seating Corp. 149 Entin Rd. Clifton, NJ 07014-1424
Contact Name:	Sherri Miller
Dates Tested:	02/14/25 – 02/18/25
Date Issued:	02/19/25
Technician:	Jason Wisniewski
UL Order / Project Number	15683606 / 4791664491

Scope: To evaluate the Steel Series Designer Table, supplied by National Public Seating Corp., by subjecting it to the following tests:

Requested Tests:

<u>Test Name</u>	<u>Requirement</u>
Stability Under Vertical Load Test	ANSI/BIFMA X5.5-2021, Section 4.3
Concentrated Functional Load Test	ANSI/BIFMA X5.5-2021, Section 5.2
Distributed Functional Load Test	ANSI/BIFMA X5.5-2021, Section 5.3
Concentrated Proof Load Test	ANSI/BIFMA X5.5-2021, Section 5.4
Distributed Proof Load Test	ANSI/BIFMA X5.5-2021, Section 5.5
Top Load Ease Cycle Test	ANSI/BIFMA X5.5-2021, Section 6

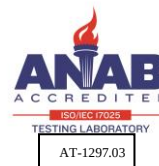
Product Description:

<u>Specimen</u>	<u>Description</u>	<u>Received</u>	<u>Condition</u>	<u>Supplier</u>
8112007	Steel Series Designer Table SLTD8-4896E	02/07/25	New	National Public Seating Corp.

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Summary:

<u>Test Name</u>	<u>Results</u>
Stability Under Vertical Load Test	Met Requirements
Concentrated Functional Load Test	Met Requirements
Distributed Functional Load Test	Met Requirements
Concentrated Proof Load Test	Met Requirements
Distributed Proof Load Test	Met Requirements
Top Load Ease Cycle Test	Met Requirements

Load Calculations:

<u>Specimen</u>	<u>Component</u>	<u>Calculation</u>	<u>Load (lbs.)</u>
8112007		Functional Load	
	Unit Top	$(288) \times 1.5$	432
		Proof Load	
	Unit Top	$(288) \times 2.3$	662

Test Results:

Stability under Vertical Load Test:

Testing was performed per ANSI/BIFMA X5.5-2021, Section 4.3.

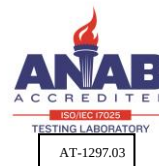
Notes:

- 125 lb. loads were applied through 12" discs, 75 lb. loads were applied through 8" discs.
- See photos for setups.



<u>Specimen</u>	<u>Load (lbs.)</u>	<u>Load Location</u>	<u>Observations</u>
8112007	125 x 2	Front edge, 36" apart centered, 1" in.	Unit did not tip over.
	75	Front edge flush, center.	Unit did not tip over.

Requirement: The unit shall not tip over from either the 57 kg (125 lb.) load(s) or from the 34 kg (75 lb.) load.



Concentrated Functional Load Test:

Testing was performed per ANSI/BIFMA X5.5-2021, Section 5.2.

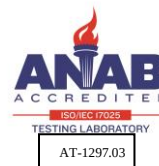
Notes:

- See photo for setup.



<u>Specimen</u>	<u>Load (lbs.)</u>	<u>Time (min.)</u>	<u>Observations</u>
8112007	200 x 2	60	No loss of serviceability.

Requirement: *There shall be no loss of serviceability. Upon completion of the test, the extendible element(s) shall meet the pull force requirements of Section 19 as tested in 5.2.2.*



Distributed Functional Load Test:

Testing was performed per ANSI/BIFMA X5.5-2021, Section 5.3.

Notes:

- Functionally loaded as calculated on page 2.
- See photo for setup.



<u>Specimen</u>	<u>Total Load</u>	<u>Time</u>	<u>Observations</u>
8112007	432 lbs.	60 min	No loss of serviceability.

Requirement: *There shall be no loss of serviceability. Upon completion of the test, the extendible element(s) shall meet the pull force requirements of Section 19 as tested in 5.3.2.*

Concentrated Proof Load Test:

Testing was performed per ANSI/BIFMA X5.5-2021, Section 5.4.

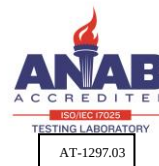
Notes:

- See photo for setup.



<u>Specimen</u>	<u>Load (lbs.)</u>	<u>Time (min.)</u>	<u>Observations</u>
8112007	300 x 2	15	No sudden and major change in structural integrity.

Requirement: *There shall be no sudden and major change in structural integrity of the product. Loss of serviceability is acceptable. Height adjustable tables do not need to maintain their setup position during the proof load test, but the unit must hold the load at some position for the 15 minutes. A slow back-driving (lowering) of the height adjustable surface is acceptable.*



Distributed Proof Load Test:

Testing was performed per ANSI/BIFMA X5.5-2021, Section 5.5.

Notes:

- Proof loaded as calculated on page 2.
- See photo for setup.



<u>Specimen</u>	<u>Total Load (lbs.)</u>	<u>Time (min.)</u>	<u>Observations</u>
8112007	662	15	No sudden and major change in structural integrity.

Requirement: *There shall be no sudden and major change in structural integrity of the product. Loss of serviceability is acceptable. Height adjustable tables do not need to maintain their setup position during the proof load test, but the unit must hold the load at some position. A slow back-driving (lowering) of the height adjustable surface is acceptable.*

Top Load Ease Cycle Test:

Testing was performed per ANSI/BIFMA X5.5-2021, Section 6.

Notes:

- Test Rate: 17 CPM.
- See photo for setup.



<u>Specimen</u>	<u>Cycles</u>	<u>Observations</u>
8112007	10,000	No loss of serviceability.

Requirement: *There shall be no loss of serviceability to the unit. Before and after the cycling test, the extendible elements shall meet the pull force requirements of Section 19. A gradual loss of height for height adjustable products during cycling is not considered a loss of serviceability.*