

LTMM – LABORATÓRIO DE TECNOLOGIA DA MADEIRA E MOBILIÁRIO

SENAI/SC São Bento do Sul II
Rua Reinaldo Mallon, 488 - Serra Alta – CEP: 89291-120 - São Bento do Sul - SC
Fones (47) 3631-1686 / 3631-1682
metrologia.sbs@sc.senai.br / www.sc.senai.br

Customer: Walker Edison Furniture Company
Address: 1553 W 9000 S West Jordan, UT 84088 United States

Commercial proposal: 0309-23
Date received: 10/19/2023
Test date: 11/07/2023
Report date: 11/08/2023

Sample



This document cannot be reproduced except in full, without prior written approval of the company. Unless otherwise stated the results shown in this report refer only to the sample (s) tested. Sampling is the responsibility of the customer. The sample was tested on the items described in the report. It cannot be considered as approved in all the requirements of the standard.

1 –TEST PERFORMED:

Test based on the standard ASTM F 2057:23 Standard safety specification for clothing storage units and ASTM F 3096:2023 Standard Performance Specification for Tipover Restraint(s) Used with Clothing Storage Unit(s).

2 - SAMPLE CHARACTERISTICS AND IDENTIFICATION:

01 sample identified by the company as “BR60BRX6DCA-T – BRONX 60 - MODERN SOLID WOOD DRESSER”, assembled, with main measures around: 467 mm length x 1520 mm width x 837 mm height. Weight: 45,35 kg. Open length: 194 mm.

3 - TEST METHODS AND RESULTS:

ASTM F 2057:23 Standard Safety Specification For Clothing Storage Units:

CLAUSE	TEST	RESULT				COMMENTS
4.	Performance Requirements					
4.1	With the unit set up in accordance with 8.1, and without the anti-tip device, test the unit in accordance with 9.2.1, 9.2.2, and 9.2.3.					
4.2	During the test, the unit shall not tip over or be supported by any component unless that component was specifically designed for that purpose.	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
4.3	If a failed component prohibits the completion of the test, then the failed component(s) shall be repaired or replaced to the original specifications, or the component replaced and the test repeated with the failed component secured as to not affect the test results but to prevent the component from failing.					
4.4	An anti-tip device shall be included with each item of furniture covered under the scope of this safety specification for attachment by the consumer.	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
4.5	The anti-tip device provided shall meet the requirement of Specification F3096.	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
4.6	Interlock Requirements					
4.6.1	Interlocks shall not require additional consumer action to engage during normal operation of the extendible element, for example, opening and closing the drawer to access the interior volume.	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
4.6.1.1	Consumer action to reengage the interlock system after disengaging to allow removal of one or more extendible elements is allowed, for example, to install an anti-tip device or retrieve a lost sock.	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
4.6.1.2	An interlocked extendible element removed for such one-time action shall not require removal of components such as back panels and dust bottom to access the interlocking mechanism during reengagement. Reengagement shall not require tools unless those tools are also required for disengagement.	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> N/T	--

This document cannot be reproduce except in full, without prior written approval of the company. Unless otherwise stated the results shown in this report refer only to the sample (s) tested. Sampling is the responsibility of the customer. The sample was tested on the items described in the report. It cannot be considered as approved in all the requirements of the standard.

4.6.1.3	An interlocked extendible element removed for such one-time action shall either: (1) Not be fully functional when reinstalled until the interlock is reengaged. (For example, it will not fully close or ride on tracks if interlock is not reengaged—which can be an automatic action when reinstalled in case.); or (2) Include a separate warning or warnings as described in 10.2.3.10.	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
4.6.2	Interlocks shall not require consumer assembly and/or installation if the unit is shipped assembled, except as allowed in 4.6.1.1.	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
4.6.3	Consumer assembly and/or installation of interlock components as part of the normal consumer assembly process is allowed for items shipped/sold unassembled.	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
4.6.4	When tested to 9.1, the extendible element shall be considered interlocked to the open extendible element if either: 4.6.4.1 It remains closed during the test and is functional after tested extendible element is closed; or 4.6.4.2 Its opening acts to close the extendible element originally open.	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
9.2	Stability Test Methods					
9.2.1	Simulated Clothing Load	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
9.2.2	Simulated Horizontal Dynamic Force	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
9.2.3	Simulating a Reaction on Carpet with Child Weight	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	Test with 65 lbs. The sample presented overturning with 71.61 lbs.
9.3	Permanency of Labels and Warnings Testing.					
9.3.1	A paper label shall be considered permanent if, during an attempt to remove it without the aid of tools or solvents, it cannot be removed, it tears into pieces upon removal, or such action damages the surface to which it is attached.	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
9.3.2	A non-paper label shall be considered permanent if, during an attempt to remove it without the aid of tools or solvents, it cannot be removed or such action damages the surface to which it is attached.	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
10.	Marking and Labeling	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--

This document cannot be reproduce except in full, without prior written approval of the company. Unless otherwise stated the results shown in this report refer only to the sample (s) tested. Sampling is the responsibility of the customer. The sample was tested on the items described in the report. It cannot be considered as approved in all the requirements of the standard.

ASTM F 3096:2023 Standard Performance Specification for Tipover Restraint(s) Used with Clothing Storage Unit(s):

CLAUSE	TEST	RESULT				COMMENTS
		<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	
4.	Test Method - Strength test	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
5.	Instructional literature					
5.1	Installation instructions shall include at a minimum the following:					
5.1.1	Illustration showing installation method.	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
5.1.2	Detailed written instructions with step by step instructions on how to properly attach the tipover restraint.	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
5.1.3	Parts list including illustrations.	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
5.2	Clear and complete installation instructions for the tipover restraint shall be included.	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
6	Labeling requirements	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
6.1	The following information shall be provided with each tipover restraint:					
6.1.1	Manufacturer's name and adress	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
6.1.2	Date of manufacture (capable of identifying at a minimum the month and year of manufacture)	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--

4 – TECHNICAL OPINION: Not applicable.

5 – REVIEW: Not applicable.

6 – ATTACHMENTS: Pictures of the product tested.

Gilson Marciniack
Authorized Signatory
Technical Laboratory LTMM
SENAI – São Bento do Sul – SC

Sample



This document cannot be reproduce except in full, without prior written approval of the company. Unless otherwise stated the results shown in this report refer only to the sample (s) tested. Sampling is the responsibility of the customer. The sample was tested on the items described in the report. It cannot be considered as approved in all the requirements of the standard.

Simulated Clothing Load



Simulated Horizontal Dynamic Force



Simulating a Reaction on Carpet with Child Weight



Documento assinado digitalmente conforme MP nº 2.200-2/2001, que institui a Infraestrutura de Chaves Públicas Brasileira - (CP-Brasil). Para verificação e detalhes da assinatura utilize o software BPSigner ou verificador de sua preferência.

This document cannot be reproduce except in full, without prior written approval of the company. Unless otherwise stated the results shown in this report refer only to the sample (s) tested. Sampling is the responsibility of the customer. The sample was tested on the items described in the report. It cannot be considered as approved in all the requirements of the standard.

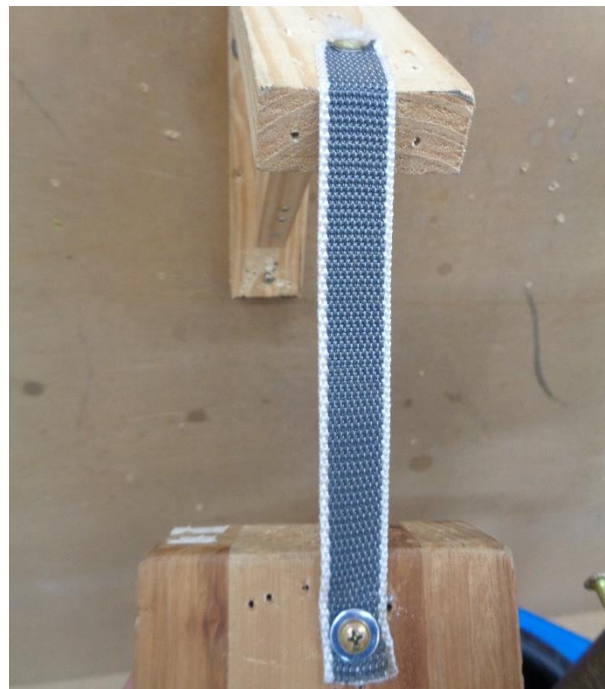
Permanency of Labels and Warnings Testing



Permanency of Labels and Warnings Testing



Test Method - Strength test



This document cannot be reproduced except in full, without prior written approval of the company. Unless otherwise stated the results shown in this report refer only to the sample (s) tested. Sampling is the responsibility of the customer. The sample was tested on the items described in the report. It cannot be considered as approved in all the requirements of the standard.

Test Method - Strength test



1

¹ Report end.