

桌类产品测试要求

I-1. Leg Strength Test

Test Method:

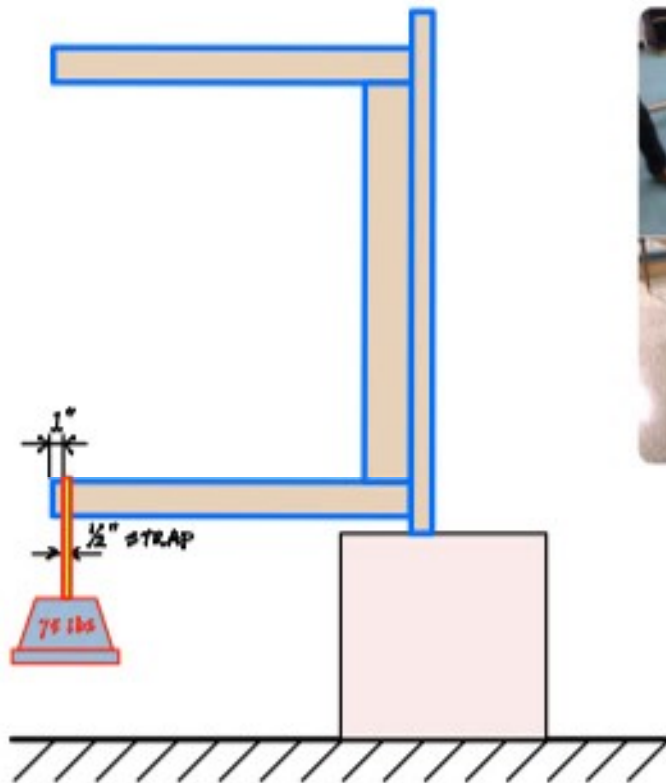
Vertically apply a static load at 1" from the end of the leg for 1 min. Force is applied in four directions (forward, rearward, side to side).

Test loads are depended on different category of sample.

Table in Height	Table Top Area (sq.ft)		Folding Table
	>5 sq.ft	≤ 5 sq.ft	
>610mm	$0.5 \times (\text{unit weight of sample, lb}) + 50\text{lb}$	$0.5 \times (\text{unit weight of sample, lb}) + 10\text{lb}$	40lb
≤610mm	$0.5 \times (\text{unit weight of sample, lb}) + 10\text{lb}$		40lb

Note:

- Maximum applied load is 75 lbs.
- No part of leg should be touching the platform.



Example

Requirement:

No structural failure after leg strength test.

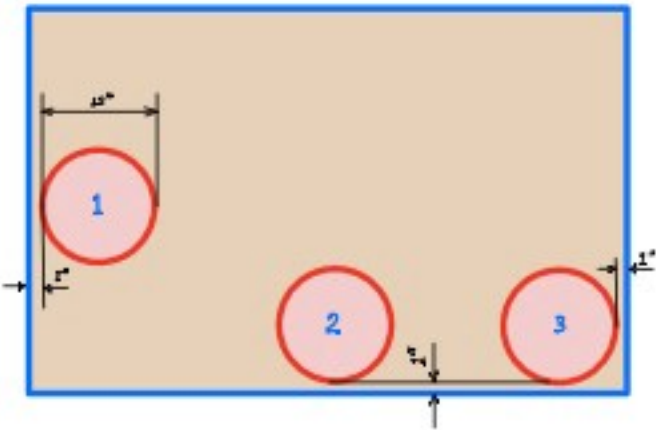
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I-2. Stability Test

Test Method:

Test load is applied 1 in. from the edge of 12 in. disc.

Type of Table	Table Top Area (sq.ft)		Glass Top
	≥ 4 sq.ft	< 4 sq.ft	
Dinette Table	100lb	90lb	100lb
Card Table			
Computer Desk	125lb	N/A	
Coffee Table	75lb	65lb	50lb
End Table	50lb	40lb	50lb



Example

Requirement:

The table may not have any one leg lift off the floor or tipped over when test load applied.

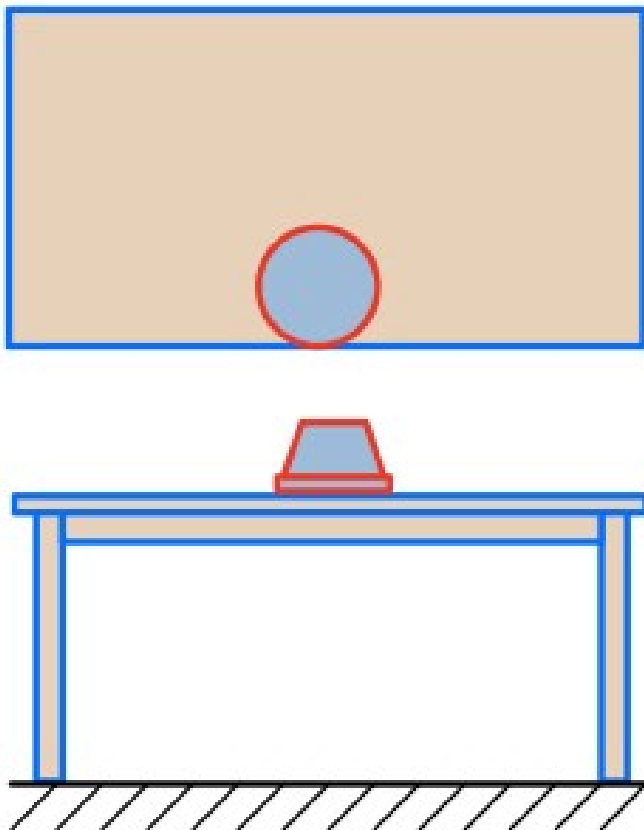
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I-3. Concentrated Load Capacity Test

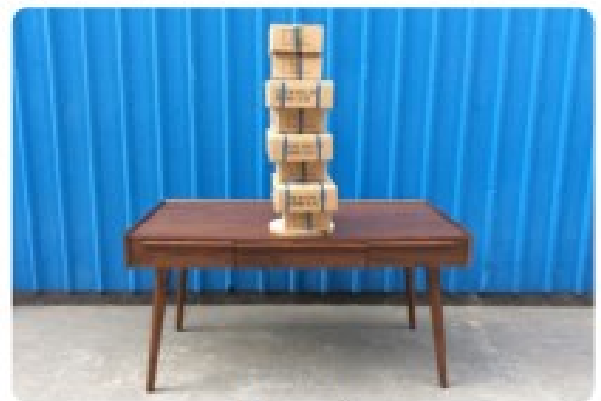
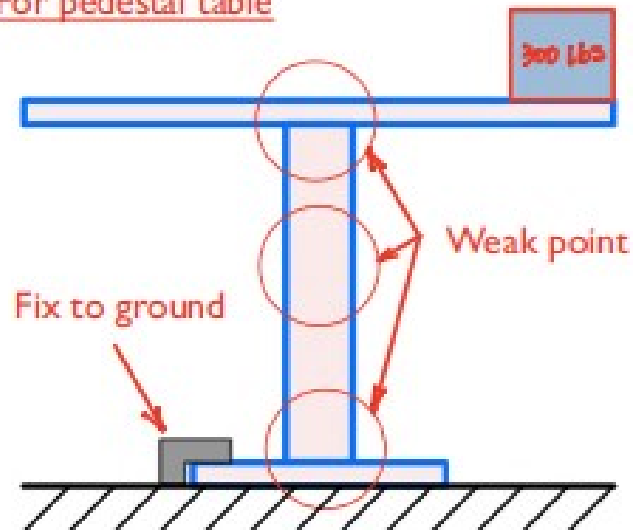
Test Method:

Test load is applied on 12 in. disc 6 in. from edge. Test load based on sq.ft. Not to exceed 300lb. Test load to be left for one hour.

Type of Table	Table Top Area (sq.ft)		Glass Top
	≥ 4 sq.ft	< 4 sq.ft	
Dinette Table	300lb	275lb	100lb
Card Table			
Computer Desk			
Coffee Table	200lb	175lb	50lb
End Table	50lb	25lb	50lb



For pedestal table



Example

Requirement:

No structural failure or max. 1/2 in. deformation after loading test.

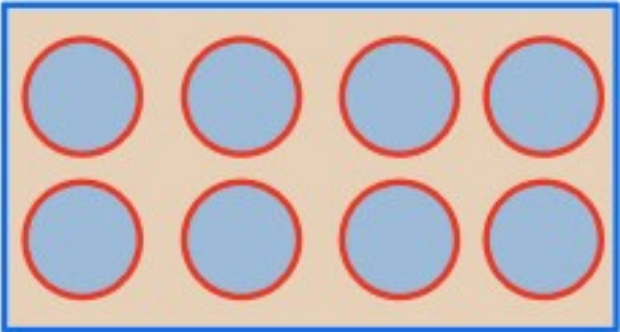
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I-4. Distributed Load Capacity Test

Test Method:

Test load is applied evenly distributed on the surface. Test load based on sq.ft. Not to exceed 200lb. Test load to be left for one hour.

Type of Table	Table Top Area (sq.ft)		Glass Top
	≥ 4 sq.ft	< 4 sq.ft	
Dinette Table	50lb/sq.ft	40lb/sq.ft	100lb
Card Table			
Computer Desk			
Coffee Table	40lb/sq.ft	30lb/sq.ft	50lb
End Table	20lb/sq.ft	10lb/sq.ft	50lb
Secondary Surface	≤16 inch depth (3lb x shelf width)		N/A
	>16 inch depth (5lb x shelf width)		N/A



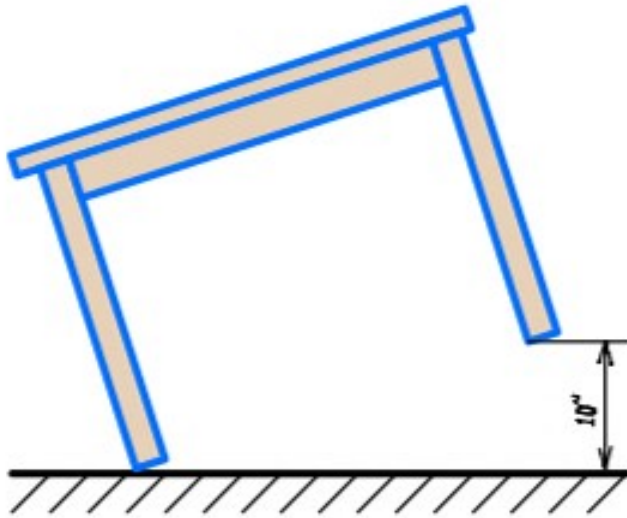
Example

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I-5. Product Drop Impact Test

Test Method:

One end of table is dropped from a height of 10 in. and allowed to free fall to the test floor.



Example