

CLOCKWORK

COMPONENTS

400ez
series mechanisms™

4341 (Manual) • 5331 (Power)
Metal-to-the-Floor Mechanism



4341 Manual



5331 Power

Industry's first – tested at 400 lbs. total weight capacity.

The new 400ez™ series mechanisms gives you the latest features your customers are looking for. From our extended layout to our improved linkage in high-stress areas, we've built in quality features unmatched by any other manufacturer in the industry.



SEAT CUSHION WIDTH
REFERENCE CHART

ORDERING DASH	SEAT CUSHION WIDTH	
	INCHES	METRIC
1	20.25	514,40
2	21.25	539,80
3	22.25	565,20
4	22.75	577,90
5	23.375	593,70
6	24.25	616
7	25.25	641,40
8	27.875	708,00
9	28.75	730,30
10	30.438	773,10
11	31	787,40
12	33.75	857,30



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Test Report

Test Date	Test Report No.	Test Performed by	Title/ Part No.	Starting Date	Completion Date
2019/03/25	LPCN19022-02	Alice Chen Yao	4341-2 Life Cycle Test	2019/01/19	2019/03/18
To	Gavin Guo,Rita Ma and Justin Zhou				
From	China Furniture Hardware Division Testing Centre				

Purpose/History:

To evaluate the performance and durability of the 4341-2, we conducted a life cycle test on the sample of 4341. Leggett and Platt Test Procedure "25,000-Cycle, 400lbs load Life Test" was used for this test.

Set up/Procedures:

- To install the 4341 sample onto testing setup;
- To place the 400 lbs load onto the sample as per Leggett and Platt Test Procedure;

Load Position	Back	Seat	Footrest
Weight	39.2Kg(86.4Lbs)	123.5Kg(272Lbs)	18.9Kg(41.6Lbs)
Distribution Percentage	21.6%	68%	10.4%

- To record the cycles by the counter.

Data:

Data recorded throughout the tested resulted in an extended-footrest drop (from wear) of 1.73" (44.0mm), and a reclined-back droop (from wear) of 0.46" (11.8mm); but both within acceptable limits.

Results:

This mechanism completed the 25,000-cycle life test without abnormal noises, wear or any loss of function. See the sample after test from the below Picture 1.



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Conclusion

Per this procedure, 4143-2 mechanism passed the "25,000-cycle 400lbs" life test as per the Leggett & Platt Test Standard.

Pictures:



Picture 1: Sample after Test

Other Remarks: