



## STC Test Report

Date: 2009-08-14

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No: HT195867

**Applicant (BEP001)**

: Bestko Precision Limited  
Unit 303, Block A, Po Lung Centre,  
11 Wang Chiu Road, Kowloon Bay, Hong Kong.

Attn.: Thomas Lau

**Description of Sample(s)**

: One (1) group of submitted sample said to be  
SHOWER HINGE  
Style No.: BK021-180°  
End Use: Bestko  
Country of Destination: Global

**Date sample(s) Received**

: 2009-06-26

**Date Tested**

: 2009-06-26 to 2009-08-14

**Investigation Requested**

: Selected test(s) as detailed herein.

**Conclusion(s)**

: The submitted sample complied with the submitted  
requirement of hinge test.



CHENG Chun-yiu, David,  
Authorized Signatory  
Textile and Materials Department  
For and on behalf of  
The Hong Kong Standards and Testing Centre Ltd.

SATRA Accredited Laboratory  
International Safe Transit Association (ISTA) Certified Laboratory  
Members of  
Hong Kong Apparel Society Limited  
Hong Kong Footwear Association

Approved Laboratory of The Woolmark Company  
The Govmark Fire Laboratories Certified Laboratory

Hong Kong Association for Testing, Inspection and Certification Limited  
Knitwear Innovation and Design Society (KIDS)

**The Hong Kong Standards and Testing Centre Ltd.**

10 Dai Wang Street, Taipo Industrial Estate, N.T., Hong Kong  
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## TEST RESULT(S):

### Hinge Test

Test procedure(s) refers to AGA-SH1-Hinge:

1. The hinge with modified weight of 68kg tempered glass door were install in test frame that shall be constructed of 1/4 inch (6mm) wall, 2 inches (51mm) x 4 inches (102mm) steel tubing. The frame shall be no less than 36 inches (914 mm) wide and 96 inches (2438mm) in height. The corner shall be welded on the three exposed sides of a butt or mitered joint. Spacing between the vertical edges shall be plumbed to 1/8 inch (3mm) and spacing between the horizontal edges shall be plumbed to 3/16inch (5mm).
2. The tempered glass door was swing from 0° (closed) to 90° (open) and back to 0° every 10 seconds.
3. A mist of 80°F (+/- 3°F) tap water shall be directed onto one side of each hinge for 30 seconds every half-hour. Air temperature shall be maintained throughout the test at 72°F (+/- 3°F).
4. Inspect the hinges every 8,640 cycles and record the vertical latch spacing and any noticeable change in the hinge operation.

Result :

Sample	No. of cycle	Observation	Submitted requirement	Comment
#BK021-180°	8,640	1) No noticeable degradation was observed on hinge. 2) Movement of vertical latch : 0mm	1. If at any time during the test, noticeable degradation to the hinge becomes audible and/or visible through casual observation. 2. If slippage occurs, allowing movement of the vertical latch edge greater than 1/16 inch (2mm).	Pass
	17,280	1) No noticeable degradation was observed on hinge. 2) Movement of vertical latch : 0mm		Pass
	25,920	1) No noticeable degradation was observed on hinge. 2) Movement of vertical latch : 0mm		Pass
	34,560	1) No noticeable degradation was observed on hinge. 2) Movement of vertical latch : 0mm		Pass
	43,200	1) No noticeable degradation was observed on hinge. 2) Movement of vertical latch : 0mm		Pass
	51,840	1) No noticeable degradation was observed on hinge. 2) Movement of vertical latch : 0mm		Pass
	60,480	1) No noticeable degradation was observed on hinge. 2) Movement of vertical latch : 0mm		Pass
	69,120	1) No noticeable degradation was observed on hinge. 2) Movement of vertical latch : 0mm		Pass
	77,760	1) No noticeable degradation was observed on hinge. 2) Movement of vertical latch : 0mm		Pass
	80,000	1) No noticeable degradation was observed on hinge. 2) Movement of vertical latch : 0mm		Pass

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### SAMPLE PHOTOGRAPH (S):

Test Set up Photograph:



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### SAMPLE PHOTOGRAPH (S):

Sample: #BK021-180° (Before test)



Sample: #BK021-180° (After test)



\*\*\*\*\* End of Test Report \*\*\*\*\*

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