



## STC Test Report

Date: 2011-01-28

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No: HT207784

**Applicant (BEP001)** : Bestko Precision Limited  
Unit 303, Block A, Po Lung Centre,  
11 Wang Chiu Road, Kowloon, Hong Kong.

Attn.: Thomas Lau

**Description of Sample(s)** : Five (5) pairs of submitted sample said to be  
HYDRAULIC SHOWER HINGE  
Style No.: TJ012-90°  
End Use: Bestko  
Country of Destination: Worldwide

**Date sample(s) Received** : 2010-12-20

**Date Tested** : 2010-12-20 to 2011-01-28

**Investigation Requested** : Selected test(s) as detailed herein.



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):

### Cycling Test

Test procedure(s) refers to EN1154:1997:

1. The hinge with 800mm (width) x 2430mm (height) x 10mm (thickness) and 45kg total mass of tempered glass door were install in test frame that constructed of 6mm wall, 51mm x 102mm steel tubing.
2. The tempered glass door was swing from 0° (closed) to 90° (open) and back to 0°.
3. Inspect the hinges every specific cycle and record the closing time, closing moment and maximum open moment.

Result :

Test Cycle	Test Item	Test direction		Submitted requirement	Comment
		Clockwise	Anti-clockwise		
Initial	Closing time(s)	5.6	5.7	Sample shall be no oil leakage and operated smoothly after 100,000 cycles plus 30% additional test cycles as customer's request.	Pass
	Closing moment(Nm)	6.0	5.6		
	Maximum open moment(Nm)	8.5			
	Observation	No oil leakage was observed and it could be operated smoothly.			
5,000	Closing time(s)	5.0	5.2		
	Closing moment(Nm)	4.3	4.4		
	Maximum open moment(Nm)	7.8			
	Observation	No oil leakage was observed and it could be operated smoothly.			
100,000	Closing time(s)	5.3	5.2		
	Closing moment(Nm)	4.2	4.3		
	Maximum open moment(Nm)	7.6			
	Observation	No oil leakage was observed and it could be operated smoothly.			
130,000	Observation	No oil leakage was observed and it could be operated smoothly.			

- Remark:
- 1) The submitted sample consist of self closing function at 74° when testing.
  - 2) The test result relate only to the sample tested.

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### SAMPLE PHOTOGRAPH (S):

Test Set up Photograph:



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### SAMPLE PHOTOGRAPH (S):

Sample: # TJ012-90° (Before test)



Sample: # TJ012-90° (After test)



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

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