

TEST REPORT

Performance test

Report Reference No..... GZ12090564-3R1
 Supersede Report No.GZ12090564-3 dated December 4, 2012

Tested by (name and signature) Credy Chen *Credy Chen*

Approved by (name and signature)..... Blusea Dong *Blusea Dong*

Date of issue..... March 18, 2013

Contents Total test report 6 pages including:
 Report text: 3 pages
 Appendix A for product photos: 1 page
 Appendix B for product drawings: 1 page
 Appendix C for product instruction: 1 page

Testing Laboratory name..... Intertek Testing Services Shenzhen Ltd. Guangzhou Branch

Address..... Block E, No.7-2 Guang Dong Software Science Park, Caipin Road, Guangzhou Science City, GETDD, Guangzhou, China

Testing location Same as above

Applicant's name..... Bestko Precision Limited

Address..... Unit 303, Block A, Po Lung Centre, 11 Wang Chiu Road, Kowloon Bay, Hong Kong.

Test specification:

Standard..... Refer to Clause 5.4 Durability of EN 1935:2002/AC:2003

Non-standard test method..... N/A

Test item description Concealed Pivot Hinge

Trade Mark BESTKO

Model and/or type reference..... WJ306

Manufacturer Bestko Precision Hardware (Shenzhen) Company Limited

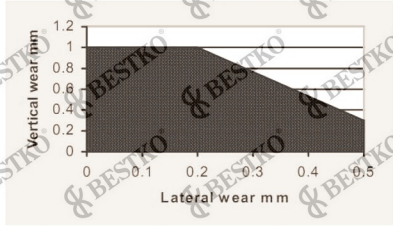
Rating(s) —

CONCLUSION:

The submitted samples finished 200 000 cycles of durability test (with 80kg test door mass), which specified by applicant and test result was listed as 'Performance Test Result'.

Test item particulars
Classification of installation and use : —
Possible test case verdicts
- Test case does not apply to the test object..... : N/A
- Test object does meet the requirement : P (Pass)
- Test object does not meet the requirement : F (Fail)
Testing
Date of receipt of test item..... : September 12, 2012
Date (s) of performance of tests..... : September 12, 2012 to November 16, 2012
General remarks:
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*(see remark #) refers to a remark appended to the report.
*(see Appendix #) refers to an appendix appended to the report.
Throughout this report a comma (point) is used as the decimal separator.
When determining the test result, measurement uncertainty has been considered.

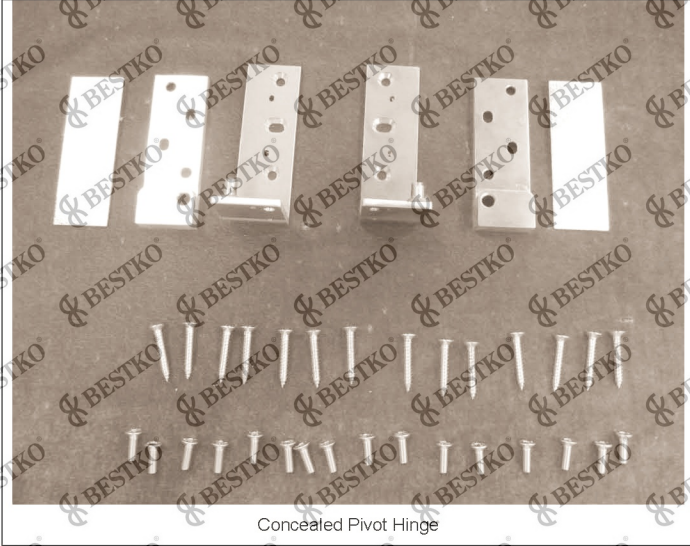
General product information:
Pivot Hinge, model WJ306; Details see product photo and product drawings.
Schedule of Components:
See Appendix B – Product Drawings for component list and raw material information.
Amendment 1:
The original Report Reference No. GZ12090564-3, dated December 4, 2012 modified on March 18, 2013 to include the following changes and/or additions:
1. Revised the typo in BOM.

EN 1935			
Clause	Requirement - Test	Result - Remark	Verdict
5	REQUIREMENTS		—
5.4	Durability		—
5.4 (j)	<p>The displacements from the datum surface shall be within the shaded area of Figure G.2.</p>  <p>Figure G.2 — Limits of allowable wear in durability test</p> <p>Lateral wear of the hinge (mm)..... : Vertical wear of the hinge (mm)..... :</p>	<p>Two pivot hinges were subjected to durability test after installation according to installation instruction provided by applicant. See Appendix C.</p> <p>Test weight: 80kg; After 200,000 cycles, no visible breaking to the product.</p> <p>0,11 mm; 0,84 mm.</p>	
5.4 (k)	<p>Maximum permissible frictional torque measured after the first 20 cycles and also after completion of test shall be 3 Nm grade 8 to 11..... :</p>	<p>Initial:</p> <p>0 degree: 1,7 Nm 30 degree: 1,9 Nm 60 degree: 1,4 Nm 90 degree: 1,3 Nm</p> <p>Final:</p> <p>0 degree: 1,7 Nm 30 degree: 1,6 Nm 60 degree: 1,7 Nm 90 degree: 1,7Nm</p>	

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Appendix A

Product photo



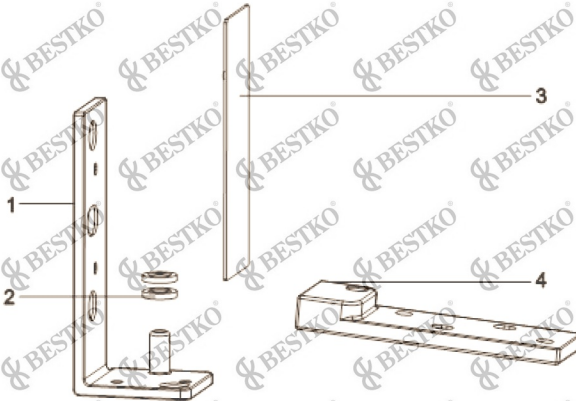
Concealed Pivot Hinge

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Appendix B

Product Drawings and Bill of Material

Concealed Pivot - WJ306 (80kg loading)



metal washer #2 on bottom pivot only

No.	Code	Name of Component	Material	Qty.	Finishing
1	WJ302-1	pivot body (jamb side)	SUS304	2	
2	WJ305-3	metal washer	SUS420 (tempered)	2	
3	WJ305-4	cover plate	ABS	2	chrome
4	WJ302-2	pivot body (door side)	SUS304	2	

WJ306

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Appendix C

Product Installation Guide

Installation Guide



1. Prepare notches on door leaf and door jamb with template provided.



2. Fix pivot body onto door leaf (top and bottom).



3. Make sure metal washers had been installed onto bottom pivot. Fix pivot onto door jamb.



4. Remove the set screw (for hold open version only), fix the cover plates properly and installation is done.

*****End of Report*****