

Test Report

No.SDHL241202348701FT

Date: Dec 24, 2024

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EXCEL HARDWARE PTE. LTD.

10 ADMIRALTY STREET, #03-52/51/34, NORTHLINK BUILDING SINGAPORE 757695

Sample Description : HINGES
Item No. : ELKY-A05-3D V1.0

As above test item and its relevant information regarding to the submission are provided and confirmed by the applicant. SGS is not liable to either the test item or its relevant information, in terms of the accuracy, suitability, reliability or/and integrity accordingly.

Sample Receiving Date : Dec 10, 2024
Test Performing Date : Dec 10, 2024 to Dec 24, 2024
Test Performed : Selected test(s) as requested by applicant

Test Result Summary

No.	Test(s) Requested	Result(s)	Comments
1	Slam shut test and Hinge durability test with reference to clause 6.3.5 and 6.3.7 of EN 15570:2008	PASS	/
For further details, please refer to the following page(s)			

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Shunde Branch

Marco Leung

Marco Leung
Authorized Signatory

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TESTS AND RESULTS
Test Conducted:

Slam shut test and Hinge durability test with reference to clause 6.3.5 and 6.3.7 of EN 15570:2008

No. of Sample:

2 pieces. For more sample information and pictures, please refer to the following page.

Test and Requirements	Test Results
6.3.5 Slam shut Slam closed the doors 30 times using the masses ($m_1 + m_2$). The mass shall fall through a distance of 300 mm or the distance required closing the door through 30°, whichever is the smaller. After the test, the hinges and their components shall fulfill their functions.	PASS m_1 : 0.3 kg m_2 : 4 kg $m_1 + m_2$: 4.3 kg
6.3.7 Hinge Durability Test Attach two masses, 1 kg each, one on each side of the door at the middle of the vertical centerline. Fully open the door to a maximum of 130 and fully close it for the number of cycles (back and forth), without forcing built-in stops in the open position. The door shall be gently opened and closed at each cycle without forcing dampers and/or catch devices including self-opening and self-closing mechanisms. Approximately 3 s shall be used for opening and 3 s for closing the door. If the hinges have dampers and/or catch devices, including self-opening and self-closing mechanisms, these shall be allowed to operate correctly according to their function at each cycle. After the test, the hinges and their components shall fulfill their functions.	PASS

Remark:

1. Testing door size: 600 mm W x 700 mm H x 19 mm T;
2. Weight of testing door: 5.2 kg;
3. The cyclic number of 80,000 cycles is specified by applicant;
4. For the sample information and pictures, please refer to the following page.



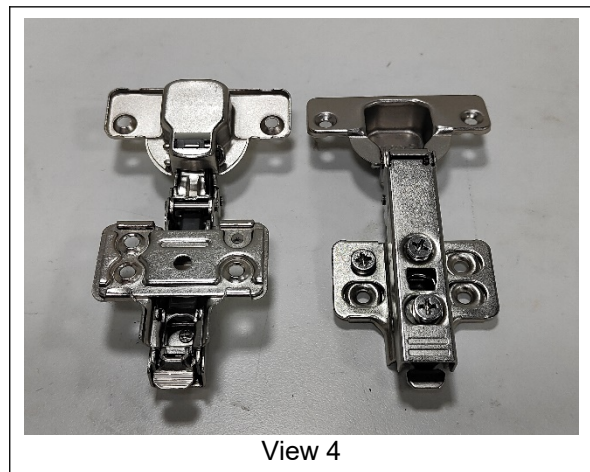
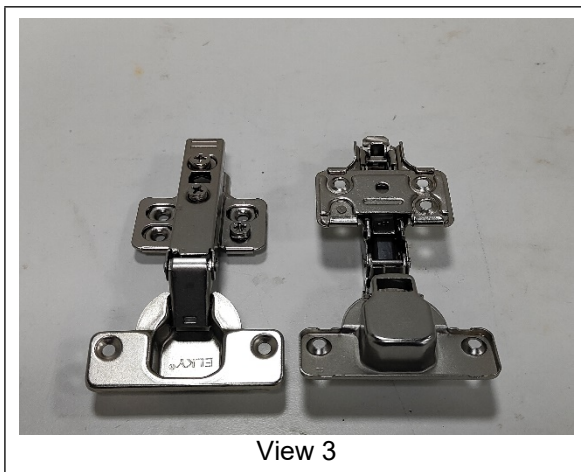
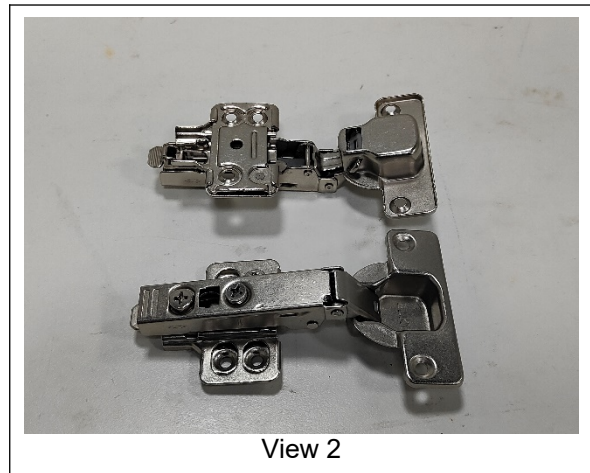
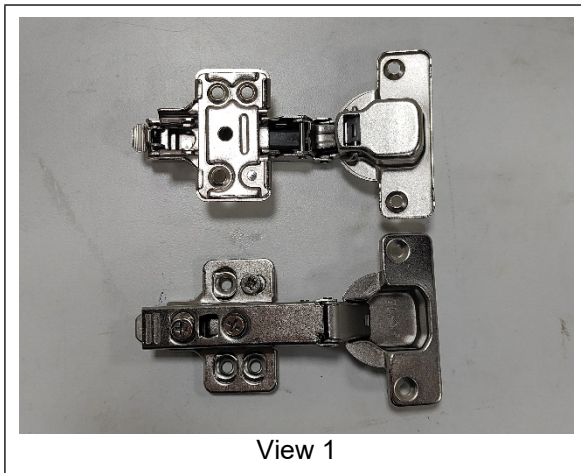
SAMPLE INFORMATION AND PICTURES

Weight: 89.9 g/piece

Cup Diameter: $\Phi 35$ mm

Other Dimensions: /

Sample as Received



Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule ($w=0$) stated in ILAC-G8:09/2019.

End of Report



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