

Test Report

NO.: HanStar2020102003

Date: 2020/10/20

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Hanstar Hardware International Ltd

3F, North Wing, Building 14, JUDA Innovation Industry Park ,
644 Shibei Industrial Road, Panyu, Guangzhou, China.

The following sample(s) was/were submitted and identified on behalf of HANSTAR as:

Sample Description : 45mm full extension side mounted ball bearing slide

Customer No.: 7012(NEW)

Item No.: 04227

Test Performing Date: 2020/09/20 - 2020/09/25

Test Result Summary

NO.	Test(s) Requested	Result(s)	Comments
1	Slide durability test with reference to clause 6.3.8 of EN 15338:2007	passed	
For further details, please refer to the following page(s)			

Signed for and on behalf of
HANSTAR

Jeffrey Yao
Quality Manager

Hanstar Hardware International Ltd

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Part I .Test Conducted:

BS EN 15338:2007 Hardware for furniture –Strength and durability of extension elements and their components

Scope:

This European Standard specifies test methods and requirements for the strength and durability of all types of extension elements and their components for all fields of application, except table extensions.

The tests consist of the application of loads, forces and velocities simulating normal functional use, as well as misuse, that might reasonably be expected to occur.

With the exception of the corrosion test in 6.4, the tests are designed to evaluate properties without regard to materials, design/construction or manufacturing processes.

The strength and durability tests only relate to the extension elements and the parts used for the attachment, e.g. screws.

The strength and durability tests are carried out in a test frame with specified properties. The test results can only be used as a guide to the performance of a piece of furniture.

The test results are only valid for the extension element tested. These results may be used to represent the performance of production models provided that the tested model is representative of the production model. Ageing and influences of heat and humidity are not included.

General Test Condition:

The following test program was conducted in a laboratory environment maintained at 15°C to 25°C and 50%±5 RH. The sample was individually tested after conditioning in the test environment for at least 24 hours prior to conducting the test.

The complete detailed procedures may be found in the referenced specification and are only summarized herein. The results obtained for each of the applicable tests are presented in their respective section describing the procedures below.

For the following tests, three sets of extensions shall be used as follows:

The first set shall be used for the first test sequence specified in 6.2.

The second set shall be used for the second test sequence specified in 6.3.

The third set shall be used for the corrosion test specified in

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Test Items	Test Methods & Requirements	Test Results
6.3.8	<p><u>Durability</u></p> <p>Open and close the extension element gently and without supporting the front for the number of cycles specified in Annex C.</p> <p>Open from the fully closed position to the point at which one-third of the inside length (depth) of the extension element, or at least 100 mm, remains inside the test frame (Figure 9). For extension elements, which are equipped with any sort of built-in stop in the open position, fully open the extension element without forcing the stop. If the extension element has a damper and/or a catch device, including a self opening or a self closing mechanism, this shall be allowed to operate at each cycle. Open and close the extension element via the force application point at a rate of 4 to 15 cycles per minute. The extension element shall fulfil its function.</p>	PASS Cyclic number: 50000

Remark:

1. The loading capacity specified by applicant is 30kg;
2. The dimension of testing deawer is 545mm(W) by 450mm(L) by 120mm(H);
3. Sample details:

Length of slide	450mm
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*** End of Report ***

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