

Laboratory Testing Report

Report # 22157A

Project Information

Client: Richelieu Hardware	Date: 2/24/2023
Client Address: 7900 Boul. Henri-Bourassa West, St-Laurent, QC. Canada H4S 1V4	Page: 1 of 2
Client PO: Verbal	

Test Information

Sample Description: 4501 Ball Bearing Slide – 550mm
Specification: ANSI/BHMA A156.9-2020 Section 4.11.4 (NAAWS 4.0 Sect 10)
Test Date: 2/20/2023 – 2/24/2023
Notes: Tested to Grade 2 – Modified to 50,000 cycles and 100-pound initial load

Results

Overall results: Pass

Results by Section

ANSI/BHMA A156.9-2020 Section 4.11.4.1 “Out Stop”

Test Description

Place an initial load of 100 lbs. Open Test drawer at a rate not to exceed 12in/sec (305mm/sec). Measure and record the maximum drawer opening force. Next, Measure and record warning or stop position force.

Acceptance Level

With a warning stop, the force required to open a drawer through the warning stop position shall increase to at least 2 times the normal drawer operating force. With a stop position, the force required to open a drawer through the stop position shall increase to at least 10 times the normal drawer operating force.

Results Pass

ANSI/BHMA A156.9-2020 Section 4.11.4.2 “Cycle Test”

Test Description

Place an initial load of 100 lbs. Operate drawer through 50,000 cycles at a rate of 10 +/- 2 cycles per minute. One cycle consists of opening the drawer to 2/3 of its total travel to within 1/4” of the warning or stop position.

Acceptance Level

The slide shall be completely operable after cycle life test.

Results Pass

Laboratory Testing Report

Report # 22053A

Project Information

Client: Richelieu Hardware
Client Address: 7900 Boul. Henri-Bourassa West,
St-Laurent, QC. Canada H4S 1V4
Client PO: Verbal

Date: 2/24/2023
Page: 2 of 2

Test Information

Sample Description: 4501 Ball Bearing Slide – 550mm
Specification: ANSI/BHMA A156.9-2020 Section 4.11.4 (NAAWS 4.0 Sect 10)
Test Date: 2/20/2023 – 2/24/2023
Notes: Tested to Grade 2 – Modified to 50,000 cycles and 100-pound initial load

Results

Overall results: PASS

Results by Section

ANSI/BHMA A156.9-2020 Section 4.11.4.3 “Static Load”

Test Description

After the cycle test and without removing initial test load, the specified edge load (50lbs) shall be slowly and carefully applied normal to the plane of the drawer bottom and on the center line of the drawer front when the drawer is opened to half of its total travel to the stop or warning stop position. The load shall be applied for 1 minute.

Acceptance Level

The tested drawer shall support the specified initial test load without a sudden collapse.

Results Pass

Certified by:



Rob Rutledge, P.E.
Mechanical Engineer