

INTEGRITY TESTING LABORATORIES

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CLIENT:

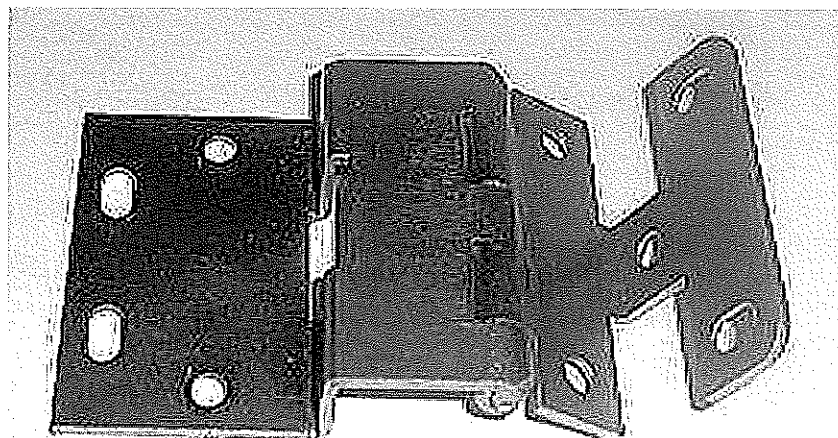
Hardware Resources
P.O. Box 72430
Bossier City, LA 71172

LABORATORY NO: F0201081
DATE: January 16, 2002
CLIENT P.O. NO.: Vbl, J. Lowe
STANDARD: ANSI/BHMA 156.9-94

SAMPLE: HEAVY DUTY INSTITUTIONAL HINGE, P/N HR0076

ABSTRACT

This report serves to document the testing of the above sample to all applicable hinge test paragraphs of ANSI/BHMA A156.9-1994, American national standards for cabinet hardware. Test procedures include a hinge permanent set test and hinge operating life test. The remainder of this report will show how the hinge samples submitted for testing exceeded all of the grade 1 requirements needed for conformance to the standard.



Heavy Duty Institutional Hinge, P/N HR0076

3911 E. LaPalma, Suite E, Anaheim Hills, CA 92807 Phone: (714) 630-2363 Fax: (714) 630-2256

This report applies only to the sample or samples submitted for testing and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public, or these laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed, and upon that condition that it not be used, in whole or in part, in any advertising or publicity matter without prior written authorization from these laboratories.

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Page 2 of 2

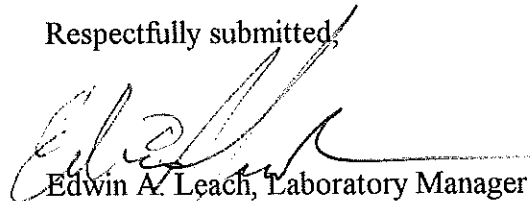
OBSERVATIONS AND RESULTS

LABORATORY DETERMINATION	LABORATORY OBSERVATION	ANSI/BHMA A156.9-94 GRADE 1 REQUIREMENT	TEST RESULT
Hinge Permanent Set Test BHMA Section 4.1	Vertical Deflection = 0.010" Horizontal Deflection = 0.009"	0.030" maximum vertical and horizontal deflection after 160 lb. test load.	PASS
Hinge Operating Life Cycle Test BHMA Section 4.2	Vertical Deflection = 0.004" Horizontal Deflection = 0.009"	Maximum deflections of 0.030" vertical, and 0.020" horizontal after 100,000 cycles with 40 lb. test door.	PASS

CONCLUSION

During the execution of the testing program, the model HR0076 hinge performed well with no structural breakage or failure. This sample submitted for testing exceeded all of the hinge test requirements and **conforms** to ANSI/BHMA 156.9-1994 for Grade 1 products.

Respectfully submitted,



Edwin A. Leach, Laboratory Manager
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