Hager Companies, Inc
139 Victor Street
Saint Louis, MO 63104

HAGER TEST REPORT NO.: CL04012

EVALUATION OF

Hager Companies
5400 Series Door Closer

TEST PARAMETERS:

This report covers tests and/or evaluations performed using the following standard(s) as a guideline:
ANSI/BHMA A156.4-2000 American National Standard for Door Controls – Closers.
Evaluation was conducted by Intertek Testing Services NA, Inc., at their Middleton, WI facility on July 30, 2004.

ENGINEERING REVIEW PROCESS:

Conduct engineering review evaluation of Model 5400 for Grade 2 without backcheck by reviewing supplied drawings and samples of Model 5400 Closer, 5300 Grade 1 Aluminum Closer, and 5100 Grade 1 Cast Iron Closer.

CONCLUSION:

Grade 2 performance of Model 5400 Closer is granted. Based on minor differences, performance is expected to meet BHMA A156.4 requirements.

HAGER COMPANIES INTERNAL TEST CORROBORATION:

TEST DATES: 07/05/05 – 09/06/05

RESULTS: COMPLIANT to Grade 2 Criteria

The testing results of specific subsections are summarized below.

Subsection	Test Description	Test Results
5.1	Initial Static Test	Compliant
5.2	First Cycle Test	Compliant
5.3	Second Cycle Test	Compliant

This report summary was prepared as an account of work performed by a Third-Party Nationally Recognized Testing Laboratory. The information included in this report is certified extracts from the original test records, as contained in the permanent records of Hager Companies, Inc. Copies of the original third-party test reports are available upon request.

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