



5400 Series

Description: Surface Door Closers > 5400 Series - Grade 2



Applications	- Light Duty Commercial	Handing	- Non-Handed
Certifications	- BHMA Certified ANSI A156.4 Grade 2	Arms & Brackets	- Tri-Pack - Regular, Top Jamb, and Parallel Arms - 15% power adjustment in arm
	- UL/cUL Listed for up to 3 hours	Fasteners	- Self tapping wood and machine screws - Sex nuts and bolts
	- UL10C Positive Pressure Rated - UL10B Neutral Pressure Rated		Door Thickness
Material - Body	- Aluminum	Painted Finishes	- Aluminum, Bronze, Dark Bronze, Gold
Springs	- Double heat treated Steel, tempered springs	Note	- No cover provided - Standard 1 year warranty
	- Precision machined, heat treated Steel piston - Triple heat treated Steel spindle		
Valves	- Adjustable latching and sweep speed valve - Adjustable backcheck valve - Optional		

Exterior (and Vestibule) Door Width

Minimum Door Width (24")

24" - 30" - 36" - 42"

Regular Arm & Top Jamb	Size 3	Size 4	Size 5
	Size 4	Size 5	
Parallel Arm			

Interior Door Width

Minimum Door Width (24")

24" - 30" - 34" - 38" - 48" - 54"

Regular Arm & Top Jamb		Size 2	Size 3	Size 4	Size 5
	Size 2	Size 3	Size 4	Size 5	
Parallel Arm					

Door Closer ANSI Reference Sheet

Closer Series	Function	Cross Reference #	PT4 Options
5100	Regular Arm Mount	C02011	A, B, C, D, H
	Top Jamb Arm Mount	C02041	A, B, C, D, H
	Parallel Arm Mount	C02021	A, B, C, D, H
Note* Standard tri pack arms include C02011, C02041 & C02021			
Note* Delayed Action optional w/ the 5100 closer series			
	Heavy Duty Parallel Arm Mount	C02021	A, B, C, D, H
	Hold Open Parallel Arm Mount	C02061	A, B, C, D, H
	Bracket Mounting	C02031	A, B, C, D, F, H
5200	Regular Arm Mount	C02011	A, B, C, D, H
	Top Jamb Arm Mount	C02041	A, B, C, D, H
	Parallel Arm Mount	C02021	A, B, C, D, H
Note* Standard tri pack arms include C02011, C02041 & C02021			
Note* Delayed Action optional w/ the 5200 closer series			
	Heavy Duty Parallel Arm Mount	C02021	A, B, C, D, H
	Hold Open Parallel Arm Mount	C02061	A, B, C, D, H
	Bracket Mounting	C02031	A, B, C, D, F, H
5300	Regular Arm Mount	C02011	A, B, C, D, H
	Top Jamb Arm Mount	C02041	A, B, C, D, H
	Parallel Arm Mount	C02021	A, B, C, D, H
Note* Standard tri pack arms include C02011, C02041 & C02021			
Note* Delayed Action optional w/ the 5300 closer series			
	Heavy Duty Parallel Arm Mount	C02021	A, B, C, D, H
	Hold Open Parallel Arm Mount	C02061	A, B, C, D, H
	Bracket Mounting	C02031	A, B, C, D, F, H
5400	Regular Arm Mount	C03012	A
	Top Jamb Arm Mount	C03042	A
	Parallel Arm Mount	C03022	A
Note* Standard tri pack arms include C03012, C03042 & C03022			
Note* Backcheck optional w/ the 5400 closer series			



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

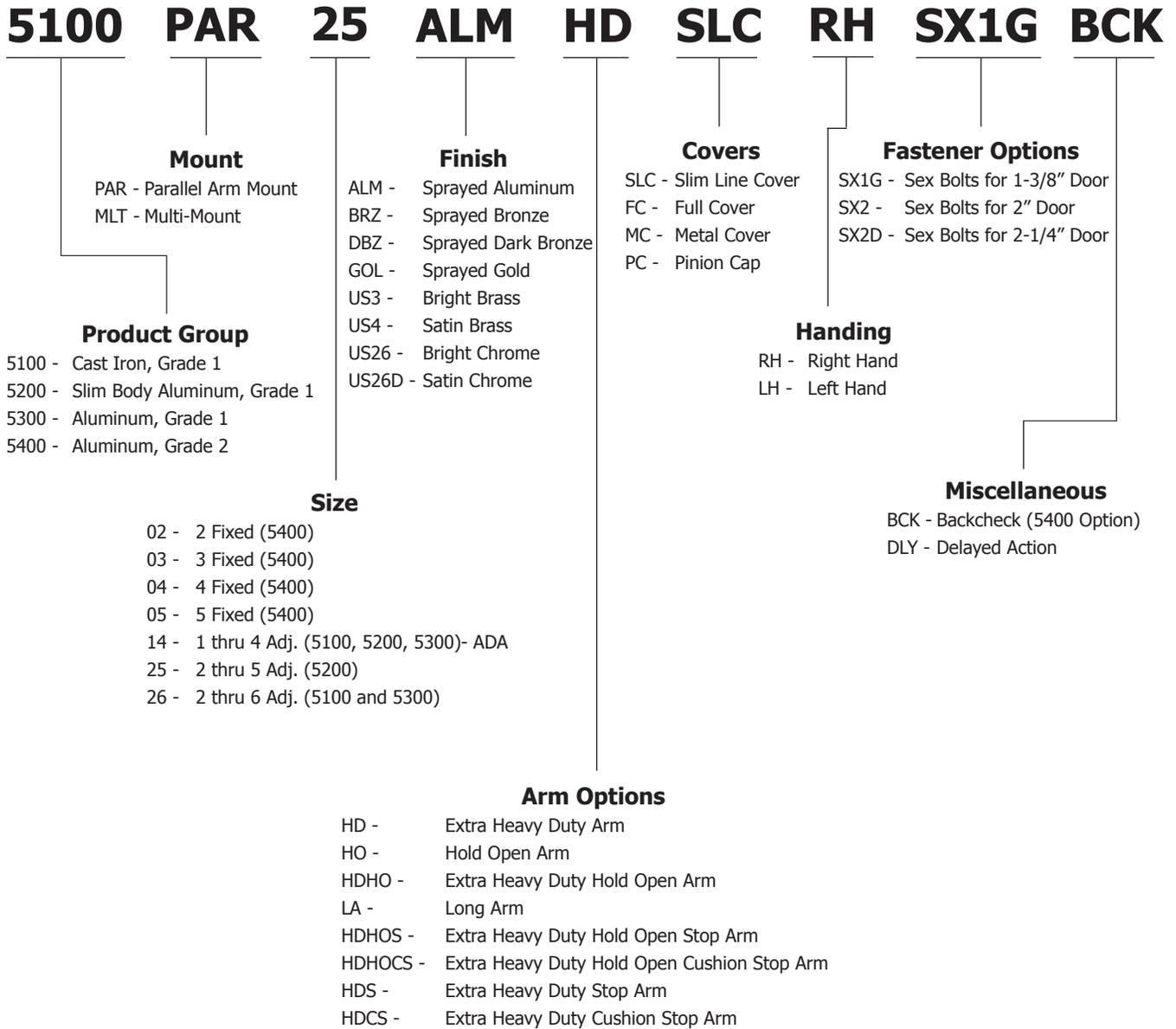
The testing results of specific subsections are summarized below.

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.



HOW TO ORDER



Example of how to order:
 5100P14ALMHDHOS

