



# 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
	- UL/cUL Listed for up to 3 hours		- 15% power adjustment in arm
	- UL10C Positive Pressure Rated		
	- UL10B Neutral Pressure Rated		<ul> <li>Self tapping wood and machine screws</li> <li>Sex nuts and bolts</li> </ul>
Material - Body	- Aluminum		
5		Door Thickness	- 1 3/4"
Springs	<ul> <li>Double heat treated Steel, tempered springs</li> <li>Precision machined, heat treated Steel piston</li> </ul>		- 1-3/8" - 2-1/4" Optional
	- Triple heat treated Steel spindle	Painted Finishes	- Aluminum, Bronze, Dark Bronze, Gold
Valves	- Adjustable latching and sweep speed valve	Note	- No cover provided

- Adjustable backcheck valve Optional
- Standard 1 year warranty

# Exterior (and Vestibule) Door Width

	Minimum Door Width (24")				
2	24" - 30" - 36" - 42"				
Regular Arm & Top Jamb	Size 3	Size 4	Size 5		
Parallel Arm	Size 4	Size 5			

_		Inter	ior Door	Width		_
_	Minimum Door Width (24*) 24" - 30" - 34" - 38" - 48" - 54"					
2	24" - 3	30° - 3	4" - 3	8″-4	8~-5	4~ 
Regular Arm & Top Jamb		Size 2	Size 3	Size 4	Size 5	
Parallel Arm	Size 2	Size 3	Size 4	Size 5		

# **Door Closer ANSI Reference Sheet**

<b>Closer Series</b>	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, C0204	41 & C02021	
Note* Delayed	Action optional w/ the 5100 closer se	ries	
	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, C0204	41 & C02021	
Note* Delayed	Action optional w/ the 5200 closer se	ries	
	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	d tri pack arms include C02011, C0204	41 & C02021	
Note* Delayed	Action optional w/ the 5300 closer se	ries	
	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
	1	1	
5400	Regular Arm Mount	C03012	A
	Top Jamb Arm Mount	C03042	A
	Parallel Arm Mount	C03022	A
	<mark>d tri pack arms include C03012, C030</mark> 4	12 & C03022	
Note* Backche	ck optional w/ the 5400 closer series		



## 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.



# 5100 PAR 25 ALM HD SLC RH SX1G BCK

Finish

Sprayed Aluminum

Sprayed Dark Bronze

Sprayed Bronze

Sprayed Gold

Bright Brass

Satin Brass

US26 - Bright Chrome

US26D - Satin Chrome



#### Product Group

- 5100 Cast Iron, Grade 1
- 5200 Slim Body Aluminum, Grade 1
- 5300 Aluminum, Grade 1
- 5400 Aluminum, Grade 2

#### Size

ALM -

BRZ -

DBZ -

GOL -US3 -

US4 -

- 02 2 Fixed (5400)
- 03 3 Fixed (5400)
- 04 4 Fixed (5400)
- 05 5 Fixed (5400)
- 14 1 thru 4 Adj. (5100, 5200, 5300)- ADA
- 25 2 thru 5 Adj. (5200)
- 26 2 thru 6 Adj. (5100 and 5300)

## Covers

SLC - Slim Line Cover FC - Full Cover MC - Metal Cover PC - Pinion Cap

#### Fastener Options

- SX1G Sex Bolts for 1-3/8" Door SX2 - Sex Bolts for 2" Door
- SX2D Sex Bolts for 2-1/4" Door

#### Handing

RH - Right Hand LH - Left Hand

### Miscellaneous

BCK - Backcheck (5400 Option) DLY - Delayed Action

#### **Arm Options**

- HD Extra Heavy Duty Arm
- HO Hold Open Arm
- HDHO Extra Heavy Duty Hold Open Arm
- LA Long Arm
- HDHOS Extra Heavy Duty Hold Open Stop Arm
- HDHOCS Extra Heavy Duty Hold Open Cushion Stop Arm
- HDS Extra Heavy Duty Stop Arm
- HDCS Extra Heavy Duty Cushion Stop Arm

Example of how to order: 5100P14ALMHDHOCS

