



## 5300 Series

**Description:** Surface Door Closers > 5300 Series - Grade 1 - Traditional



- Applications - Heavy Duty Commercial
- Certifications - BHMA Certified ANSI A156.4 Grade 1  
- ADA Compliant ANSI A117.1 Accessibility Code only for adjustable sizes 1 to 4  
- UL/cUL Listed for up to 3 hours  
- UL10C Positive Pressure Rated  
- UL10B Neutral Pressure Rated
- Material - Body - Aluminum
- Material - Cover - Traditional Full Plastic Cover and Pinion Cap
- Springs - Double heat treated Steel, tempered springs  
- Precision machined, heat treated Steel piston  
- Triple heat treated Steel spindle
- Valves - Adjustable latching and sweep speed valve  
- Adjustable backcheck valve  
- Delayed action valve - Optional

- Handing - Non-Handed
- Arms & Brackets - Slide Adjustable Arm  
- Tri-Pack - Regular, Top Jamb, and Parallel Arms
- Arms - Optional - Hold Open Arm  
- Extra Heavy Duty Hold Open Stop Arm  
- Extra Heavy Duty Stop Arm  
- Extra Heavy Duty Arm  
- Extra Heavy Duty Hold Open Arm  
- Extra Heavy Duty Cushion Stop Arm  
- Extra Heavy Duty Hold Open Cushion Stop Arm
- Fasteners - Self tapping wood and machine screws  
- Sex nuts and bolts
- Door Thickness - 1 3/4"  
- 1-3/8" - 2-1/4" Optional
- Painted Finishes - Aluminum, Bronze, Dark Bronze, Gold

## Exterior (and Vestibule) Door Width

|                        |  | Minimum Door Width (24") |           |        |        |
|------------------------|--|--------------------------|-----------|--------|--------|
|                        |  | 24" - 30"                | 36" - 42" | 48"    |        |
| Regular Arm & Top Jamb |  | Size 3                   | Size 4    | Size 5 | Size 6 |
| Parallel Arm           |  | Size 3                   | Size 4    | Size 5 |        |

## Interior Door Width

|                        |  | Minimum Door Width (24") |           |        |        |        |        |
|------------------------|--|--------------------------|-----------|--------|--------|--------|--------|
|                        |  | 24" - 30"                | 34" - 38" | 48"    | 54"    | 60"    |        |
| Regular Arm & Top Jamb |  | Size 1                   | Size 2    | Size 3 | Size 4 | Size 5 | Size 6 |
| Parallel Arm           |  | Size 1                   | Size 2    | Size 3 | Size 4 | Size 5 |        |

(Sizing in accordance to BHMA/ANSI 156.4)

## 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.: CL05003**

**EVALUATION OF**

**Hager Companies  
5300 Series Door Closer - Size 1-4**

**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.*  
Testing was conducted by Intertek Testing Services NA, Inc., at their Middleton, WI facility.

**ENGINEERING REVIEW PROCESS:**

The Hager 5300 Series size 2-6 door closer was previously tested by ITS in accordance with ANSI/BHMA A156.4-2000, "American National Standard for Door Controls – Closers" and found to be BHMA compliant. Results are found in Hager Test Report CL04010.

In order to assess mechanical differences between the 5300 Series size 1-4 and the 5300 Series size 2-6, customer-supplied technical drawings and specifications of each model are reviewed by ITS. In order to validate adjustable size range, the 5300 Series size 1-4 model is tested to ANSI/BHMA A156.4-2000 section 6.16 "Test for Range of Multiple Sizes".

**CONCLUSION:**

It is determined that the Hager 5300 Series size 1-4 door closer is similar, with minor variations, to the 5300 Series size 2-6 door closer. These variations will not significantly affect the performance of this closer, with the exception of adjustable size range.

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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.



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

**HAGER TEST REPORT NO.: CL04010**

EVALUATION OF

**Hager Companies  
5300 Series Door Closer - Size 2-6**

**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.*  
Testing was conducted by Intertek Testing Services NA, Inc., at their Middleton, WI facility.

**DESCRIPTION OF TEST SAMPLES:**

Samples were identified as Model 5300 Grade 1 Closer with backcheck.  
Samples were received in good condition on 11/12/2004.

**TEST DATES:** 01/18/05 – 04/12/05

**RESULTS:** COMPLIANT

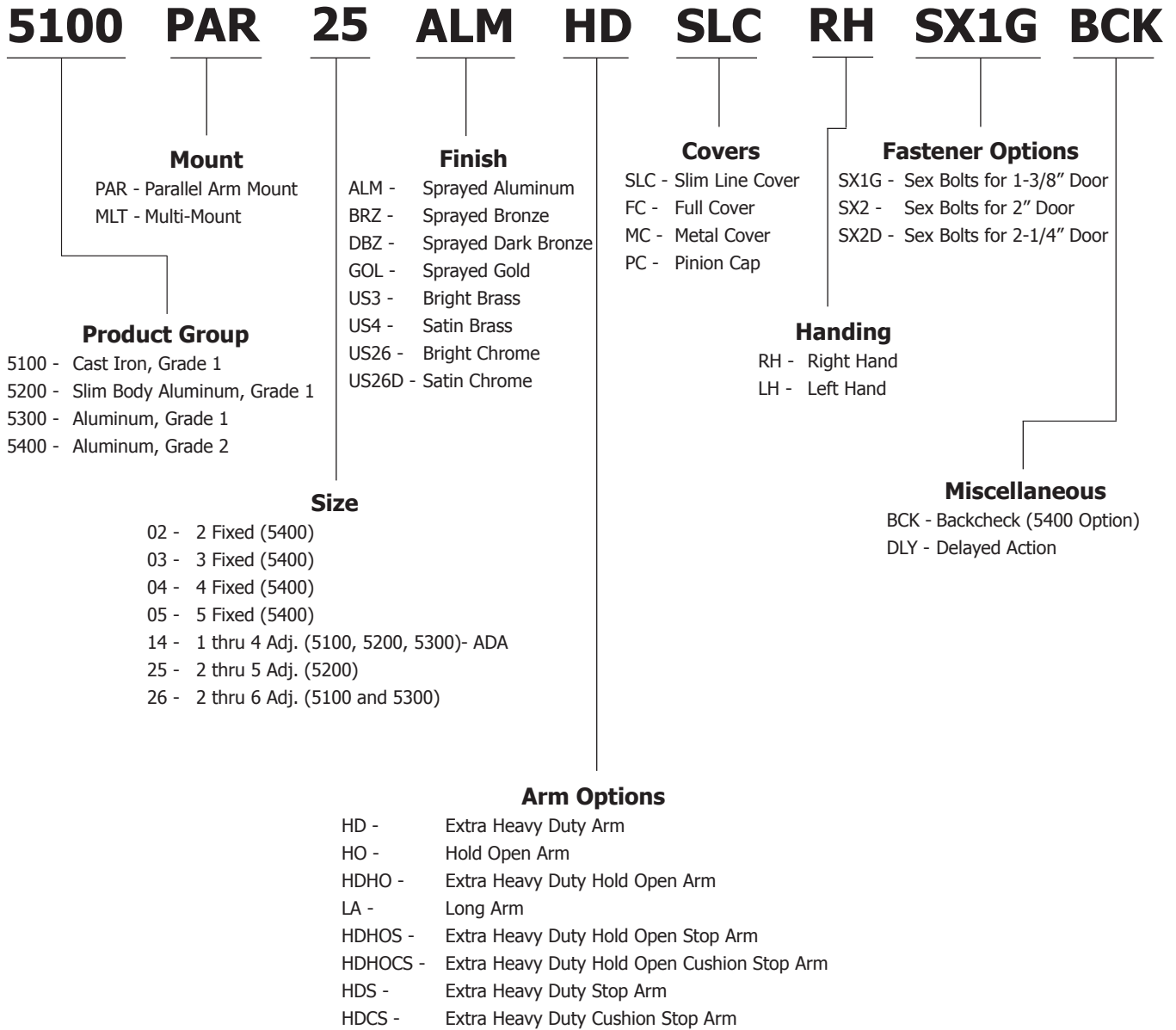
The testing results of specific subsections are summarized below.

| <b>Subsection</b> | <b>Test Description</b> | <b>Test Results</b> |
|-------------------|-------------------------|---------------------|
| 5.1               | Initial Static Test     | Compliant           |
| 5.2               | First Cycle Test        | Compliant           |
| 5.3               | Second Cycle Test       | Compliant           |

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**HOW TO ORDER**



Example of how to order:  
 5100P14ALMHDHOS

