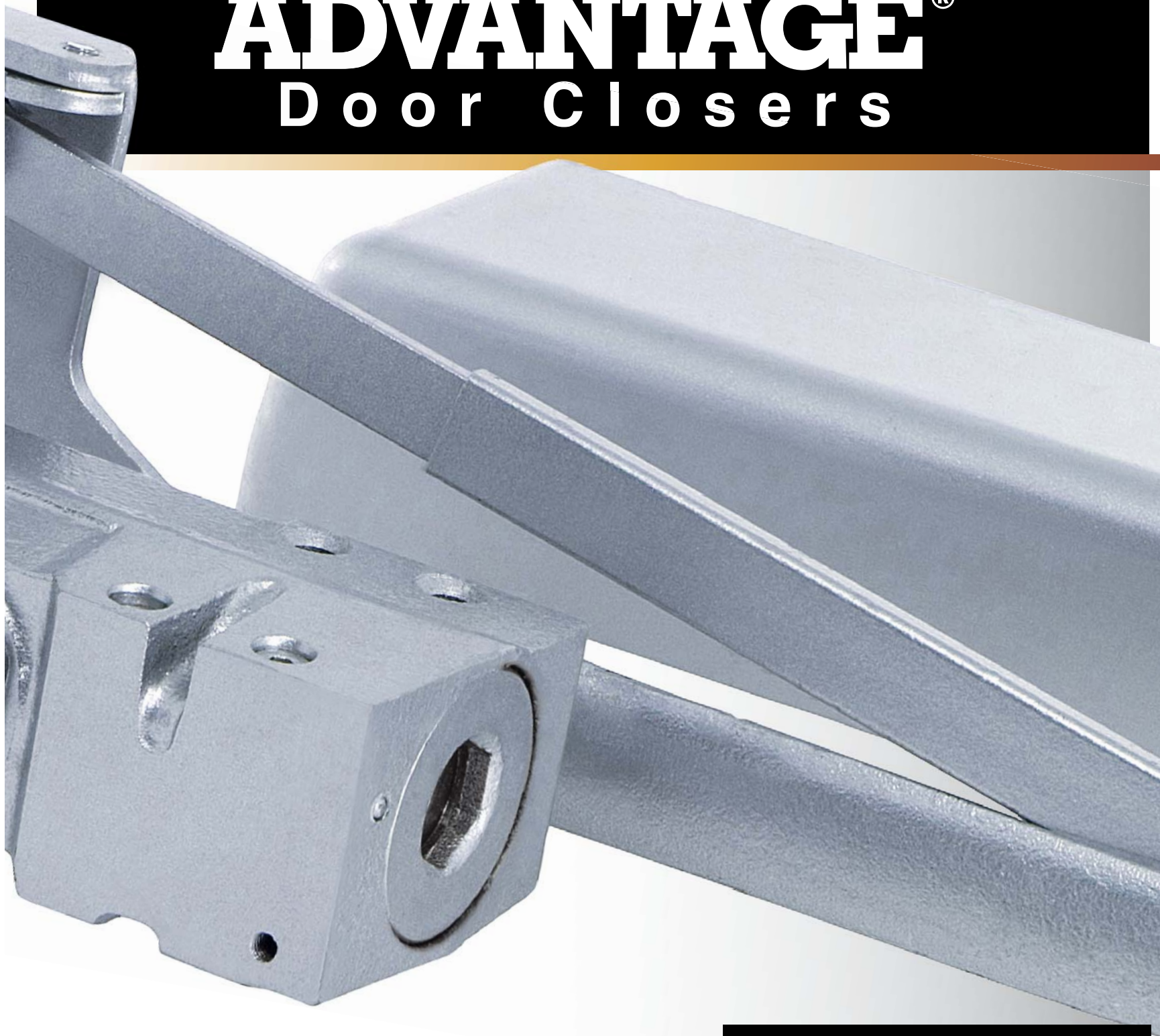


# ADVANTAGE<sup>®</sup>

## Door Closers



Always Striving.  
[philhardware.com](http://philhardware.com)

# DOOR CLOSER

Philadelphia Hardware Group, Inc. is presenting the finest **ADVANTAGE**<sup>®</sup> surface mounting door closers for your various application demands. There are

- Multi-size door closer: 9000, 8000, 6000, 6000S (slim cover), 5000, 4400 series.
- Standard size door closer: 4000, 3000, 2000 series.
- Multi-size Delay Action door closer: 8000/DA, 6000/DA, 6000S/DA series.

## GENERAL INFORMATION

### ANSI A156.4 – American National Standard for Door Controls-Closers

**ADVANTAGE**<sup>®</sup> Grade 1 Door Closers are certified by ANSI/BHMA A156.4.

**ADVANTAGE**<sup>®</sup> Grade 2 Door Closers are factory tested to meet or exceed ANSI Grade 2 required strength and performance.

### UL Listed

All of **ADVANTAGE**<sup>®</sup> door closer series are UL listed, and conforms to Standards UL10C and UPC 7-2(1997).

### Meet ADA requirements

**ADVANTAGE**<sup>®</sup> door closer 9000, 8000, 6000, and 4400 series meet ANSI A117.1 requirements for ADA.

Please note Door Closer with reduced opening force may not provide sufficient power to close a door.

- Doorways shall have a clear opening of 32" minimum. Clear opening of doorways with swinging doors shall be measured from the face of door and stop with the door open 90°.
- Door closers shall be adjusted so that from the open position of 90° the time required to move the door to an open position of 12° shall be 5 seconds minimum.
- The maximum force for pushing open or pulling open doors other than fire doors shall be as follows:
  1. Interior hinged door: 5 lbs.
  2. Exterior hinged door: 8.5 lbs.

\* 4400 series apply to interior hinged door only.

### Handing

All **ADVANTAGE**<sup>®</sup> Door closers are non-handed that are suitable for left-opening or right-opening door.

**All Weather Hydraulic Fluid** used to ensure smooth operation under severe weather conditions.

**Finish Stock** available Aluminum (BHMA 689) for all model  
Duranodic (BHMA 695) for all model  
Gold (BHMA 696) for all model  
Satin Chrome (BHMA 652) for 8000 series



## ACCESSORIES

**Drop Plate** allows a door closer to be fitted on narrow top rail or narrow top frame door.

Most of the **ADVANTAGE**<sup>®</sup> door closers have different kinds of Drop Plates for installation requirements, see following pages in detail.

**Hold Open Arm** used when door is requiring for a clear opening doorways at 90° stop.

\* Should not be used on Fire door application.

**Parallel Rigid Cush Arm** is a heavy duty arm with an auxiliary stop in soffit shoe to stop the door opening at a specific point. Apply to door where wall or floor stops are not appropriate. Parallel arm mounting application only.

**Parallel Rigid Cush and Stop Arm** is a heavy duty hold open arm featured with a plunger hold open to engage or disengage hold open by a handle on the arm. Parallel arm mounting application only.

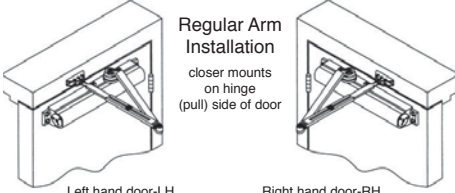
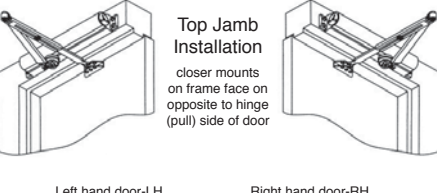
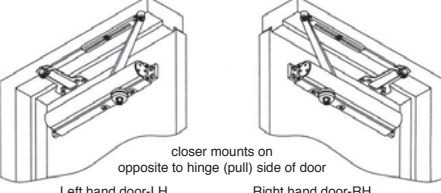
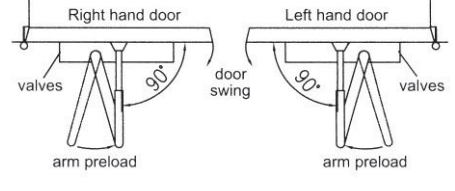
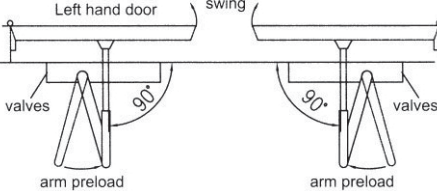
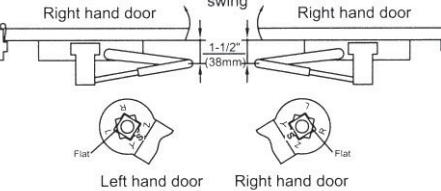
\* Should not be used on Fire door application.

**ADVANTAGE**<sup>®</sup>  
by PHILADELPHIA HARDWARE GROUP

# DOOR CLOSER

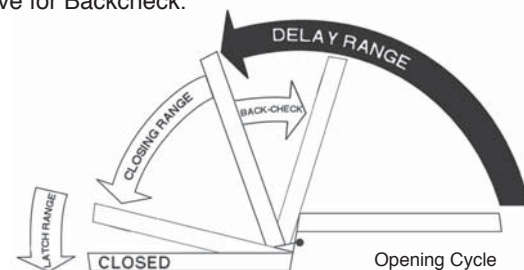
## DOOR CLOSER APPLICATION

There are three basic methods of mounting surface door closers to the door and frame including regular arm, parallel arm and top jamb mounts. All **ADVANTAGE**® door closers are supplied standard with a tri-pack for mounting any of three types applications.

 <p><b>Regular Arm Installation</b> closer mounts on hinge (pull) side of door</p> <p>Left hand door-LH Right hand reverse-RHR</p> <p>Right hand door-RH Left hand reverse-LHR</p>	 <p><b>Top Jamb Installation</b> closer mounts on frame face on opposite to hinge (pull) side of door</p> <p>Left hand door-LH Right hand reverse-RHR</p> <p>Right hand door-RH Left hand reverse-LHR</p>	<p><b>Parallel Arm Installation</b></p>  <p>closer mounts on opposite to hinge (pull) side of door</p> <p>Left hand door-LH Right hand reverse-RHR</p> <p>Right hand door-RH Left hand reverse-LHR</p>
 <p>Right hand door</p> <p>Left hand door</p> <p>valves</p> <p>door swing</p> <p>arm preload</p> <p>arm preload</p> <p><b>Regular Arm (Pull side)</b> <b>Most power-efficient application</b> The Closer body is mounted on the hinge side of the door top rail. The forearm is mounted to the frame face by a mounting shoe. Arm projects at approximately a 90° angle away from the door.</p>	 <p>Left hand door</p> <p>Right hand door</p> <p>valves</p> <p>door swing</p> <p>arm preload</p> <p>arm preload</p> <p><b>Top Jamb (Push side)</b> <b>More power-efficient than the parallel arm application</b> Applying to a closer with narrow top rail on a door. The closer body is mounted to the frame face above the door, opposite the door hinge side. The forearm is then mounted to the top rail of the door.</p>	 <p>Right hand door</p> <p>Left hand door</p> <p>Right hand door</p> <p>door swing</p> <p>1-1/2" (38mm)</p> <p>Flat</p> <p>Flat</p> <p>Left hand door</p> <p>Right hand door</p> <p>Use adjustable wrench to rotate spindle 45° counter-clockwise for right hand door or clockwise for left hand door. Place main arm on spindle so that the "R" (Right hand door) or "L" (Left hand door) lines up with the spindle flat. Secure main arm and spindle by tightening spindle bolt.</p> <p><b>Parallel Arm (Push side)</b> <b>Least power-efficient application</b> The closer body is mounted on the top rail of the door, opposite the hinge side of the door. The forearm is mounted by a parallel arm bracket to the underside of the frame. The arm is parallel to the door, which makes it less likely to be damaged. * Top reveal should have enough space for using this application.</p>

## CLOSER ADJUSTMENT

**ADVANTAGE**® Door closers have hex wrench controlling valves for adjusting Closing speed and latch speed. Multi-size door closers have a nut for spring power adjustment, and additional valve for Backcheck. Delay Action control valve available with Delay Action model.



# DOOR CLOSER

## Closing speed &

**Latching speed** are dual valve control for door closing speed.

Closing speed is the speed of door closing from full opening to approximately 10°~5° of door closed position.

Latching speed is the speed from approximately 10°~5° door opening to door closed position. Slow latch speed provides less door closing noise.

**Backcheck** slows down the door opening at approximately 70° in order to prevent damage to building and door frames. The backcheck control valve provides a 20° adjustment (70° ~ 90°) to set the optimum backcheck start point.

\* Multi-size door closers are standard with Backcheck function.

**Delay Action** is the 3rd control for closing speed adjustment.

It effective from full opening to approximately 70°, and provides a slow closing speed. The closing time between 180° to 70° is at least 20seconds, and easily adjustable up to 1minutes. Closer with Delay Action provides sufficient time that allows people or the elderly to get through the door before it starts to close.

## Multi-size Spring adjustment

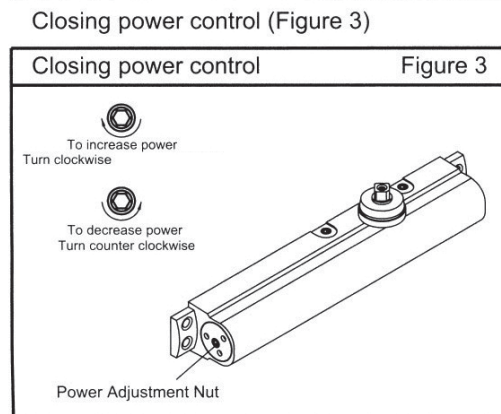
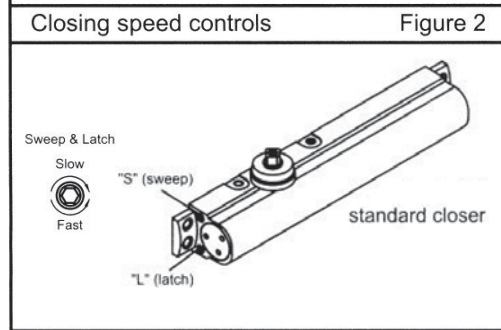
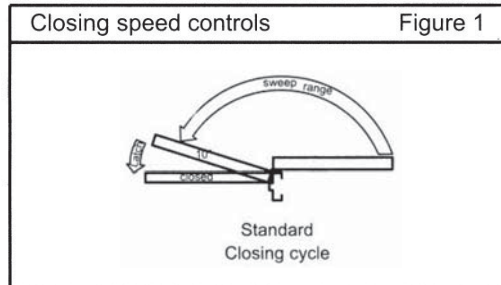
Multi-size door closers are able to adjust the spring power to meet the power needs of the door.

Spring power of the closer can be increased by turning the power adjustment nut clockwise, vice versa.

## Unit adjustment

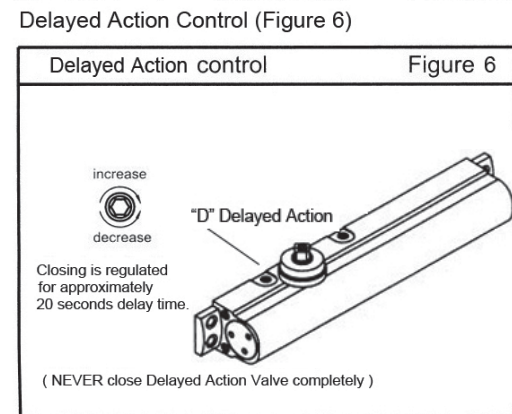
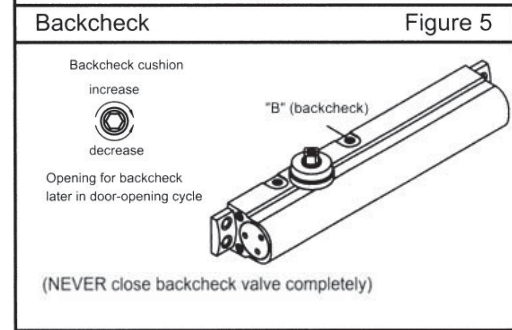
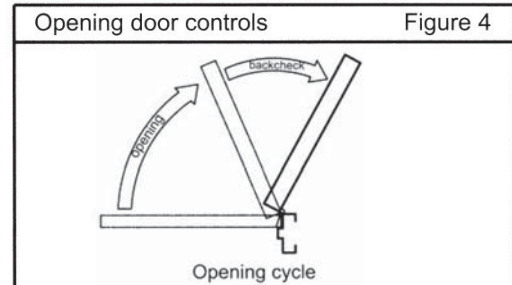
Closing speed controls (figure 1,2 and 6 )

- Valve "S" controls sweep range
- Valve "L" controls latch range
- Valve "D" controls delayed action range



Opening door control (figure 4 and 5)

- Backcheck ("B") Valve controls the hydraulic resistance to door opening. NEVER close this valve completely- it is not to provide a positive stop



## Closer Size (Spring Power)

Closer Size	Recommended Maximum Door Size					Door Weight (Lbs.)
	Regular & Top Jamb			Parallel Arm		
	Interior	Exterior Swing-in (Pull Side)	Exterior Swing-out (Push Side)	Interior Swing-out (Push side)	Exterior Swing-out (Push side)	
1	28"	N/A	N/A	N/A	N/A	33 ~ 66
2	36"	N/A	N/A	30"	N/A	66 ~ 99
3	42"	30"	36"	36"	30"	99 ~ 143
4	48"	36"	42"	42"	36"	143 ~ 187
5	54"	42"	48"	48"	42"	187 ~ 264
6	60"	48"	54"	54"	48"	264 ~ 330

\* Multi-size door closers provide the spring power required to fit your door size and application.

# 9000 SERIES

**ANSI GRADE 1**

**ANSI GRADE 1**  
**ANSI/BHMA A156.4-2000**  
 Series 2000, PT1  
 Exceeds 1,500,000 cycles with Backcheck



UL10C Positive Pressure  
 Rated. Conforms to UBC  
 7-2 (1997). (Uniform  
 Building Code Standard)



Comply with  
 ANSI A117.1

**25-Year Warranty**

**Model 9000** Adjustable power size 1-6 with Back Check

## Applications

- Heavy Duty Commercial model ideal for high traffic door such as schools, hospitals, and public institutions
- Same mounting hole pattern as CAL-ROYAL 900 (CTC 11-1/8" x 1-1/8"), ideal for renovations
- Tri-packed for all type applications

## Features

- Multi-size spring adjustable power size 1-6  
 Factory preset size 3
- Meet ADA
- Standard with adjustable Backcheck



## Product Specification

Material	Aluminum alloy body, forged steel arm Heat treated forged steel piston Double Heat treated Steel pinion
Cover	Full plastic cover – standard
Valves	Triple valve control for Closing speed, Latching speed, and Back-check Staked valve for power adjustment
Arm & Brackets	Standard arm and parallel bracket included for different mounting demand
Screws	Self-tapping wood screws and machine screws
Finishes	Aluminum, Duronotic, and Gold

## Optional Functions

- Hold Open Arm (9001)
  - Parallel Rigid Cush Arm (9002)
  - Parallel Rigid Cush and Stop Arm (9003)
  - Extended forearm (9004)
  - Sex-bolts (Metal door mounting)
- \* Special order from the factory
- Delay Action
  - Metal cover
  - Plated Finish: US3, US26, US26D

## Technical Dimensions

Series 9000	Size	
A. Length of Closer Body	11-7/8"	
B. Horizontal Mounting Holes	11-1/8"	
C. Vertical Mounting Holes	1-1/8"	
D. Height of Closer Body	2"	
E. Projection from Door	2-3/8"	

## Accessories



**9001 Hold-open Arm**  
 Stand for pull side & top jamb  
 Use with PA bracket for parallel arm mount



**9002 Parallel Rigid Cush Arm**  
 Auxiliary Stop in soffit shoe



**9003 Parallel Rigid Cush and Stop Arm**  
 Hand control plunger stop in soffit shoe



**9004 Extended Forearm**  
 For Top Jamb with reveal greater than 4" and up to 8"

**90C Standard Full Plastic Cover**



**1348 Sex-bolt with screw**  
 For 1-3/4" standard Door Thick



**PAB01 Parallel Bracket**  
 for Hold Open Arm mounting  
 can also use for regular parallel arm application



**ADVANTAGE**<sup>®</sup>  
 by PHILADELPHIA HARDWARE GROUP

# 8000 SERIES

**ANSI GRADE 1**

**ANSI GRADE 1**  
**ANSI/BHMA A156.4-2000**  
 Series 2000, PT1  
 Exceeds 1,500,000 cycles with Backcheck



UL10C Positive Pressure Rated. Conforms to UBC 7-2 (1997). (Uniform Building Code Standard)



Comply with ANSI A117.1

**25-Year Warranty**

## Model

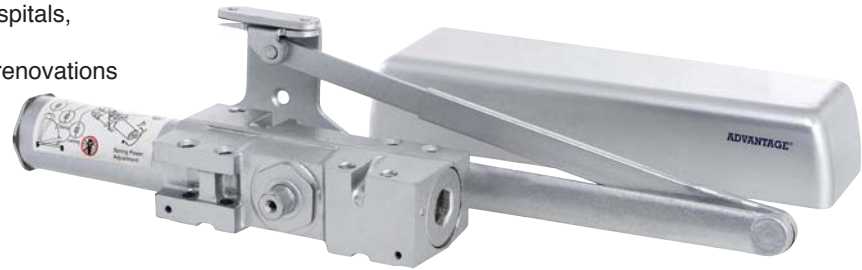
**8000** Adjustable power size 1-6 with Back Check  
**8000/DA** Adjustable power size 1-6 with Delay Action

## Applications

- Extra Heavy Duty Commercial model ideal for high traffic door  
 Versatile for new constructions, such as schools, hospitals, and public institutions
- Same mounting hole pattern as LCN4041, ideal for renovations
- Tri-packed for all type applications

## Features

- Multi-size spring adjustable power size 1-6  
 Factory preset size 3
- Meet ADA



Product Specification	
Material	Heavy Duty Cast Iron body, forged steel arm Heat treated forged steel piston Double Heat treated Steel pinion
Cover	Full plastic cover – standard
Valves	Triple valve control for Closing speed, Latching speed, and Back-check cushion Delayed Action valve – Optional (Model: 8000DA) Staked valve for power adjustment
Arm & Brackets	Standard arm and parallel bracket included for different mounting demand
Screws	Self-tapping wood screws and machine screws
Finishes	Aluminum, Duronotic, Gold, and US26D-Satin Chrome

- ### Optional Functions
- Wide choice of options for different applications
- Hold Open Arm (8001)
  - Parallel Rigid Cush Arm (8002)
  - Parallel Rigid Cush and Stop Arm (8003)
  - Extended forearm (8004)
  - Drop Plate (see Accessories)
  - Sex-bolts (Metal door mounting)
- \* Special order from the factory
- Metal cover
  - Plated Finish: US3, US26

Technical Dimensions		Series 8000	
	Size	End View	Front View
A. Length of Closer Body	11"		
B. Horizontal Mounting Holes	5"		
C. Vertical Mounting Holes	1"		
D. Height of Closer Body	2-3/4"		
E. Projection from Door	2"		

- ### Accessories
- 80DP-ST**  
 Size: 12-1/4 x 3-9/16"  
**Drop Plate – Pull Side**  
 Hinge side mount when top rail is less than 3-3/4"  
 Plate require 2" minimum top rail
- 80DP-TJ**  
 Size: 12-1/4 x 3-9/16"  
**Drop Plate – Top Jamb**  
 Use when frame face is less than 3 1/2"  
 Use 8004 forearm if top reveal exceeds 2-9/16"
- 80DP-TG**  
 Size: 12-1/4 x 3-9/16"  
**Drop Plate – Top Jamb with flush ceiling**  
 Top of head frame face in flush ceiling condition  
 Plate requires 1-3/4" minimum frame face  
 Use 8004 forearm if top reveal exceeds 2-9/16"
- 80DP-PA**  
 Size: 12-1/4 x 5"  
**Drop Plate – Parallel Arm**  
 Use when top rail is less than 5-1/2", measured from the stop  
 Plate requires at least 2-1/2" top rail

**8001 Hold-open Arm**  
 Stand for pull side & top jamb  
 Use with PA bracket for parallel arm mount

**8002 Parallel Rigid Cush Arm**  
 Auxiliary Stop in soffit shoe

**8003 Parallel Rigid Cush and Stop Arm**  
 Hand control plunger stop in soffit shoe

**8004 Extended Forearm**  
 For Top Jamb with reveal between 2-5/8" to 4-13/16"

**PAB01 Parallel Bracket**  
 for Hold Open Arm mounting can also use for regular parallel arm application

**80C Standard Full Plastic Cover**

**1348 Sex-bolt with screw**

# 6000, 6000S SERIES

**ANSI GRADE 1**

**ANSI GRADE 1**  
ANSI/BHMA A156.4-2000  
Series 2000, PT1  
Exceeds 1,500,000 cycles with Backcheck



**LISTED**

UL10C Positive Pressure  
Rated. Conforms to UBC  
7-2 (1997). (Uniform  
Building Code Standard)



Comply with  
ANSI A117.1

**25-Year Warranty**

## Model

**6000, 6000S**  
**6000/DA, 6000S/DA**

Adjustable power size 1-6 with Back Check  
Adjustable power size 1-6 with Back Check and Delay Action

## Applications

- Heavy Duty Commercial model ideal for high traffic door Versatile for new constructions, such as schools, hospitals, and public institutions
- Same mounting hole pattern as NORTON 8000 CTC 12" x 3/4", ideal for renovations
- Tri-packed for all type applications

## Features

- **New upgraded design from year 2009**  
**Multi-size spring adjustable power size 1-6,**  
**Factory preset size 3**
- Meet ADA
- Standard with adjustable Backcheck



Product Specification	
Material	Aluminum alloy body, forged steel arm Heat treated forged steel piston Double Heat treated Steel pinion
Cover	Full plastic cover – 6000 series
Valves	Triple valve control for Closing speed, Latching speed, and Back-check Delayed Action valve – Optional (Model: 6000/DA, 6000S/DA) Staked valve for power adjustment
Arm & Brackets	Standard arm and parallel bracket included for different mounting demand
Screws	Self-tapping wood screws and machine screws
Finishes	Aluminum, Duronotic, and Gold

## Optional Functions

Wide choice of options for different applications

- Hold Open Arm (6001)
- Parallel Rigid Cush Arm (6002)
- Parallel Rigid Cush and Stop Arm (6003)
- Extended forearm (6004)
- Drop Plate (see Accessories)
- Sex-bolts (Metal door mounting)

\* **Special order from the factory**

- Metal cover (Full Cover only)
- Plated Finish: US3, US26, US26D

## Technical Dimensions

Series 6000, 6000S	Size	
A. Length of Closer Body	12-3/4"	
B. Horizontal Mounting Holes	12"	
C. Vertical Mounting Holes	3/4"	
D. Height of Closer Body	1-1/4"	
E. Projection from Door	2-1/8"	



**6001**  
**Hold-open Arm**  
Stand for pull side & top jamb  
Use with PA bracket for parallel arm mount



**6002**  
**Parallel Rigid Cush Arm**  
Auxiliary Stop in soffit shoe



**6003**  
**Parallel Rigid Cush and Stop Arm**  
Hand control plunger stop in soffit shoe



**6004**  
**Extended Forearm**  
For Top Jamb with reveal greater than 4" and up to 8"

**PAB01**  
**Parallel Bracket**  
for Hold Open Arm mounting can also use for regular parallel arm application



**60C-F**  
**Standard Full Plastic Cover**



**60C-S**  
**Standard Slim Plastic Cover**



**1348**  
**Sex-bolt with screw**



**ADVANTAGE**<sup>®</sup>  
by PHILADELPHIA HARDWARE GROUP

## Accessories

**60DP-ST**

Size: 13-1/8 x 3-1/4"



**Drop Plate – Pull Side , or Concealed Door Holder**

Use for hinge side mount  
Upside-down to mount where concealed door holder prevents normal door closer mounting  
Plate require 2-7/16" minimum top rail

**60DP-TJ**

Size: 13-1/8 x 3-5/8"



**Drop Plate – Top Jamb**

Apply to low ceiling clearance between 1-1/2" ~ 1-3/4"

**60DP-PAS**

Size: 13-1/8 x 3-5/8"

**Drop Plate – Parallel Arm**

Plate require 2-7/8" minimum top rail  
Cross reference: NORTON #3148

**60DP-PA**

Size: 13-1/8 x 5"



**Drop Plate – Parallel arm mount**

Used to mount a closer on a top rail as narrow as 3" in height

# 5000, 4400 SERIES

**ANSI GRADE 1**

**ANSI GRADE 1**  
**ANSI/BHMA A156.4-2000**  
 Series 2000, PT1  
 Exceeds 1,500,000 cycles with Backcheck



UL10C Positive Pressure  
 Rated. Conforms to UBC  
 7-2 (1997). (Uniform  
 Building Code Standard)



**4400 Series**  
 Comply with  
 ANSI A117.1

**25-Year Warranty**

## Model

**5000** Adjustable power size 3-6 with Back Check  
**4400** Adjustable power size 1-4 with Back Check

## Applications

- Heavy Duty Commercial model, ideal for high traffic door  
 Versatile for new constructions, such as schools, hospitals,  
 and public institutions
- Universal mounting hole pattern  
 Size 4: CTC 9-1/16" x 3/4"
- Tri-packed for all type applications

## Features

- Multi-size spring adjustable power size 3-6, factory preset size 4  
 Multi-size spring adjustable power size 1-4, factory preset size 3
- 4400 meets ADA, Barrier Free interior
- Standard with adjustable Backcheck



Product Specification	
Material	Aluminum alloy body, forged steel arm Heat treated forged steel piston Double Heat treated Steel pinion
Cover	Full plastic cover – standard
Valves	Triple valve control for Closing speed, Latching speed, and Back-check Staked valve for power adjustment
Arm & Brackets	Standard arm and parallel bracket included for different mounting demand
Screws	Self-tapping wood screws and machine screws
Finishes	Aluminum, Duronotic, and Gold

## Optional Functions

- Hold Open Arm (4001)
- Drop Plate (see Accessories)
- Sex-bolts (Metal door mounting)

Technical Dimensions		
Series 5000, 4400	Size	
A. Length of Closer Body	9-3/4"	9-3/4"
B. Horizontal Mounting Holes	9-1/16"	9-1/16"
C. Vertical Mounting Holes	3/4"	3/4"
D. Height of Closer Body	1-3/4"	1-3/4"
E. Projection from Door	2-7/8"	2-7/8"

End View

Front View

## Accessories

**4001**  
**Hold-open Arm**  
 Stand for pull side  
 and top jamb  
 Use with PA bracket for parallel arm mount



**PAB02**  
**Parallel Bracket**  
 for Hold Open Arm mounting  
 can also use for regular  
 parallel arm application



**40C**  
**Standard Full**  
**Plastic Cover**



**1348**  
**Sex-bolt with screw**  
 For 1-3/4" standard Door Thick



**40DP-TJ**  
 Size: 9-3/4" x 2-9/16"  
**Drop Plate –Top Jamb**  
**low ceiling clearance**  
 For use when ceiling clearance is between  
 1-3/4" and 2-5/8"  
 Cross reference: NORTON #1687



**40DP-PA**  
 Size: 9-3/4" x 3-1/2"  
**Drop Plate –Parallel**  
**arm mount**  
 Used to mount a closer on a top rail as nar-  
 row as 2-5/8" in height



**ADVANTAGE**<sup>®</sup>  
 by PHILADELPHIA HARDWARE GROUP



# 4000, 3000, 2000 SERIES ANSI GRADE 2

## GRADE 2

Factory tested to meet ANSI Grade 2 durability



UL10C Positive Pressure Rated. Conforms to UBC 7-2 (1997). (Uniform Building Code Standard)

10-Year Warranty

## Model

**4000** Standard power size 4  
**3000** Standard power size 3  
**2000** Standard power size 2

## Applications

- Medium and Light Duty model  
 Medium Duty 4000  
 Light Duty 3000, 2000
- Universal mounting hole pattern  
 Size 4: CTC 9-1/16" x 3/4"  
 Size 3: CTC 8-3/16" x 3/4"  
 Size 2: CTC 6-5/8" x 3/4"



## Product Specification

Material	Aluminum alloy body, forged steel arm Heat treated forged steel piston Double Heat treated Steel pinion
Valves	Triple valve control for Closing speed, Latching speed, and Back-check Staked valve for power adjustment
Arm & Brackets	Standard arm and parallel bracket included for different mounting demand
Screws	Wood screws and machine screws
Finishes	Aluminum, Durototic, and Gold

## Optional Functions

- Hold Open Arm (3001, 4001)
- Drop Plate (See Accessories)
- Sex-bolts (Metal door mounting)
- Full plastic cover, available for 4000 series only (40C)

## Technical Dimensions

Series 4000, 3000, 2000	Size		
A. Length of Closer Body	9-3/4"	8-3/4"	7-5/16"
B. Horizontal Mounting Holes	9-1/16"	8-3/16"	6-5/8"
C. Vertical Mounting Holes	3/4"	3/4"	3/4"
D. Height of Closer Body	1-3/4"	1-3/4"	1-3/4"
E. Projection from Door	2-7/8"	2-7/8"	2-5/8"

End View

Front View

## Accessories

**4001**  
**Hold-open Arm**  
 For 4000 Series  
 Pull side and top jamb  
 Use with PA bracket for parallel arm mount



**3001**  
**Hold-open Arm**  
 For 3000 Series  
 Pull side and top jamb  
 Use with PA bracket for parallel arm mount



**PAB02**  
**Parallel Bracket**  
 for Hold Open Arm mounting  
 can also use for regular parallel arm application



**40C**  
 For 4000 Series  
**Standard Full Plastic Cover**



**1348**  
**Sex-bolt with screw**  
 For 1-3/4" standard Door Thick



**40DP-TJ** For 4000 Series  
 Size: 9-3/4" x 2-9/16"

**Drop Plate –Top Jamb**  
**low ceiling clearance**  
 For use When ceiling clearance is between 1-3/4" and 2-5/8"



**40DP-PA** For 4000 Series  
 Size: 9-3/4" x 3-1/2"

**Drop Plate –Parallel arm mount**  
 Used to mount a closer on a top rail as narrow as 2-5/8" in height



**30DP-PA** For 3000 Series  
 Size: 3-1/2" x 8-3/4"

**Drop Plate – Parallel arm mount**



**20DP-PA** For 2000 Series  
 Size: 3-1/2" x 7-5/16"

**Drop Plate – Parallel arm mount**



# ORDER INFORMATION

Product Availabilities											
Series	Power Size	Duty	Function Availability			Accessories					
			Back Check	Delay Action	Hold Open with Hold Open Arm	Parallel Rigid Cush Arm	Cush & Stop Arm	Drop Plate	Sex-Bolt	Plastic Cover	Metal Cover
9000	Adjustable No. 1-6	Heavy	●	●	●	●	●		●	●	●
8000	Adjustable No. 1-6	Extra Heavy	●		●	●	●	●	●	●	●
8000/DA	Adjustable No. 1-6	Extra Heavy		●	●	●	●	●	●	●	●
6000	Adjustable No. 1-6	Heavy	●		●	●	●	●	●	●	●
6000S	Adjustable No. 1-6	Heavy	●		●	●	●	●	●	●	
6000/DA	Adjustable No. 1-6	Heavy	●	●	●	●	●	●	●	●	
6000S/DA	Adjustable No. 1-6	Heavy	●	●	●	●	●	●	●	●	
5000	Adjustable No. 3-6	Heavy	●		●			●	●	●	
4400	Adjustable No. 1-4	Heavy	●		●			●	●	●	
4000	No. 4	Medium			●			●	●	●	
3000	No. 3	Light			●			●	●		
2000	No. 2	Light						●	●		

● Standard or optional

● Special order from the factory, allow for longer lead time. Please call for more information

## ADVANTAGE® Door Closers Power Size Product Code

Adjustable Power with Back-Check (BC)			Aluminum	Duro	Gold
9000	No. 1-6 BC	♿	609910	609911	609912
8000	No. 1-6 BC	♿	608810	608811	608812
6000	No. 1-6 BC	♿	606710	606711	606712
6000S (Slim Cover)	No. 1-6 BC	♿	606730	606731	606732
5000	No. 3-6 BC		605110	605111	605112
4400	No. 1-4 BC	♿	604410	604411	604412
Adjustable Power with Back-Check (BC) and Delay Action (DA)					
6000/DA	No. 1-6 BC DA	♿	606740	606741	606742
6000S/DA (Slim Cover)	No. 1-6 BC DA	♿	606750	606751	606752
Adjustable Power with Delay Action (DA)					
8000/DA	No. 1-6 DA	♿	608840	608841	608842
Fixed Power Size					
4000	No. 4		604010	604011	604012
3000	No. 3		603300	603301	603302
2000	No. 2		602200	602201	602202

# CROSS REFERENCE

ADVANTAGE®	9000	8000	6000	6000S	5000/4400	4000	3000	2000
Spring Power Size	1 – 6	1 – 6	1 – 6	1 – 6	3 – 6/1 – 4	4	3	2
CTC Hole Pattern	11-1/8" x 1-1/8"	5" x 2-1/4" x 1"	12" x 3/4"	12" x 3/4"	9-1/16" x 3/4"	9-1/16" x 3/4"	8-3/16" x 3/4"	6-5/8" x 3/4"
ARROW			5016N		936N/DC214	DC204	● DC203	
CAL-ROYAL	N900-PBF	CR441	CR801	CR801S	300	740 440-FP	730 430-P	● 720 ● 420-P
CORBIN/ RUSSWIN	● DC6200 ● DC3200	● DC8000	● DC6200 ● DC3200			4604	● 4603	● 4602
CRL	PR74BC	PR90			● PR80/PR82BF PR80 Size 2-5	DC54 Size 4	DC53 Size 3	● DC52 Size 2
DESIGN HARDWARE		416	316		116	100	100	100
DORMA		● 8916	8616		● 7400	● 7304 ● 7204	● 7303 ● 7203	
FALCON DOR-O-MATIC		● SC70	SC81	SC80	● SC60/SC61 SC60 Size 2-5	SC64 SC94	● SC93	
GENERAL LOCK		C900	C7500	C7300	● C5025/C5014 C5025 Size 2-5			
GLOBAL DOOR CONTROL	● TC600	TC4300	TC500	TC400	TC200	TC204	TC2203	● TC302 ● TC2202
HAGER		5100	● 5200 Size 2-5		5300	5400	● 5400	● 5400
INTERNATIONAL DOOR CLOSER	● 9000	44CI	5000		8050	854 ● 754 654	853 753 653	● 852 ● 752 ● 652
LCN		4040			● 1260 Size 1-5			
NORTON		● 7500	8501	8301	1600			
PDQ Manufacturing		7100	5300		1100/3100	1100/3100		
SARGENT	● 1431	● 281	1331		1130	1134		
STANLEY	D3550/D3551	D4550/D4551			● D1650/D1651 D1650 Size 2-5			
S.PARKER	900BC				● BF900 814BC	534	533	● 532
TAYMOR	1900				● 800/800BF 800 Size 2-5	● 604	● 603	602
TELL	● 700	900	800		600	500		
YALE		4400	3501 YMDC2501	3301	50 YMDC1101	● 5104	● 5103	● 5102

● The same mounting hole pattern with similar application ● Different mounting hole pattern in the same power size  
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