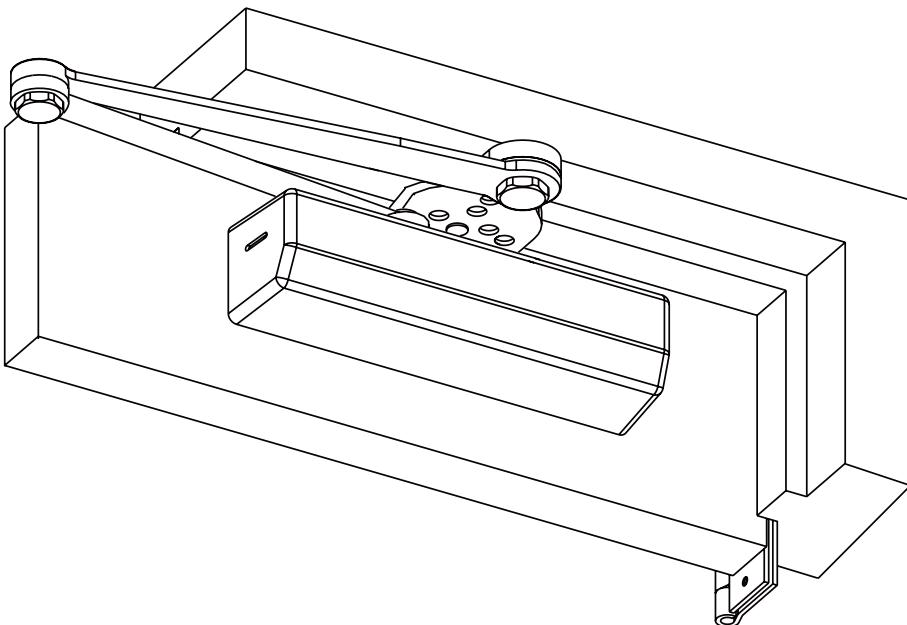


# DC3210 Series

## A3 Heavy Duty Non-Hold Open Parallel Arm



**Important**

- An improperly installed or incorrectly adjusted door closer may cause property damage or personal injury; and will void product warranty.
- To avoid personal injury, DO NOT DISASSEMBLE THIS DOOR CLOSER BODY.
- Door closers must be securely fastened to a properly reinforced door and frame with fasteners provided.
- An auxiliary door stop, BY OTHERS, is required for this Installation.

### Installation Instructions

#### 1

#### Introduction



##### BEFORE INSTALLING:

- The Americans with Disabilities Act (ADA) requires that doors having door closers have an opening force not to exceed 5 lbf. for interior doors, 8.5 lbf exterior doors.
- The door closer's power size adjustment feature may require adjustment to its lowest setting to comply with ADA opening force guidelines.
- ADA compliant closer: DC3210.

#### TO DETERMINE HAND OF YOUR DOOR:

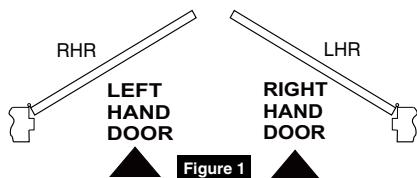
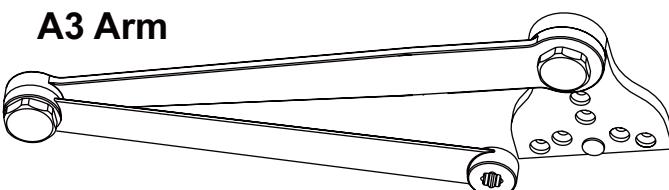


Figure 1



Heavy Duty Non-Hold Open

Size of Door & Door Closer					
Type of Installation	Interior	Exterior In-swinging	Exterior Out-swinging	Recommended Closer Size	**Max. Opening Force lbs/f
Parallel Arm	2' 4"	-	-	1	8
	2' 6"	-	-	2	14
	3' 0"	-	2' 6"	3	16
	3' 6"	-	3' 0"	4	22
	4' 0"	-	3' 6"	5	24
	4' 6"	-	4' 0"	6	26

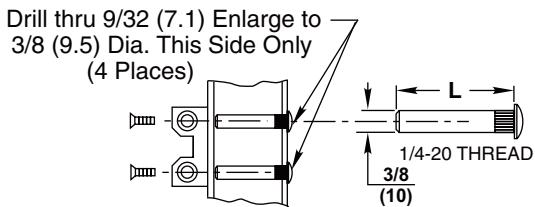
\*\*NOTE: These forces are for standard templating with bearing type hinges and do not account for pressure differentials and draft.

#### MOUNTING SCREW SPECIFICATIONS

##### ARM AND CLOSER BRACKET

1/4-20 oval head machine screw or 1/4-14 self-drilling screw Type BSD. 3/16 (4.8) diameter pilot hole required for Wood Applications.

} or { Option M54:  
Sex nuts, furnished when ordered



DOOR THICKNESS	SEX NUT LENGTH "L"
1-3/8" (35mm)	1-9/32" (33mm)
1-3/4" (44mm) & OVER	1-21/32" (42mm)

## Installation Instructions

## 2

## Installation

## 1. Template

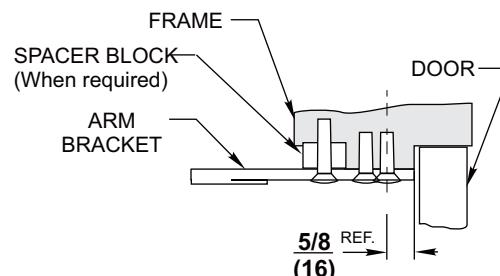
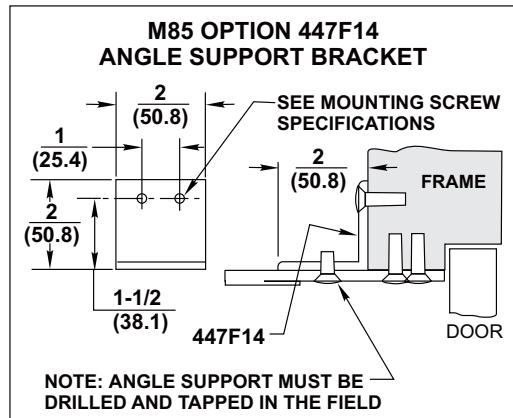
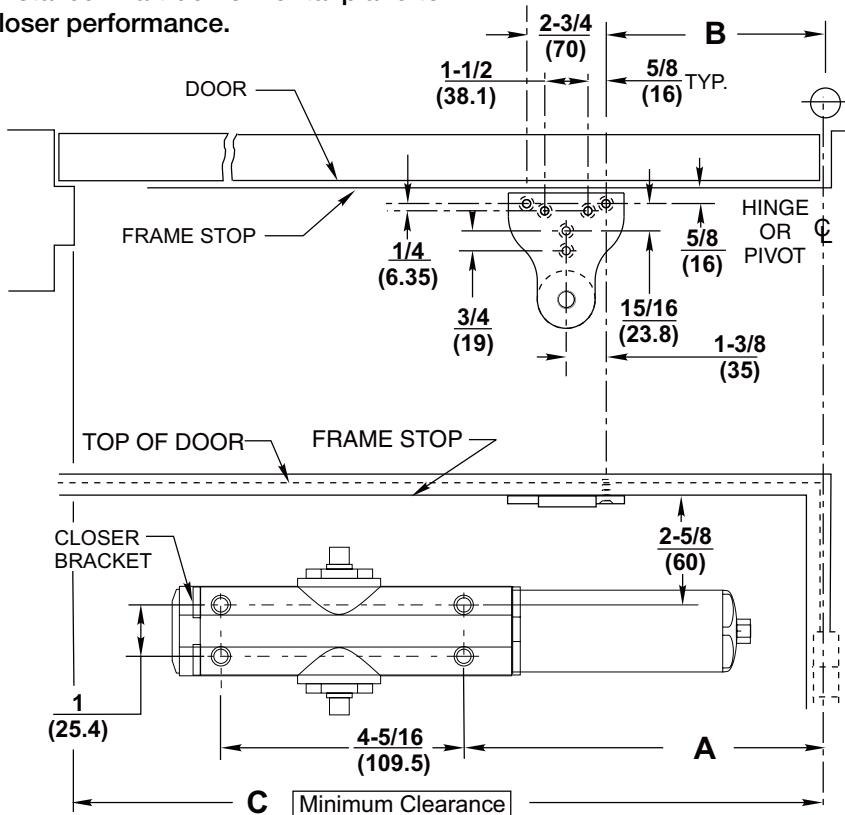
Mark and prepare door and jamb (for closer bracket and arm bracket). Use template and dimensions charted. (Figure 2)

## NOTES:

- Check hand of door. (Figure 1)
- Right Hand Application Shown, Left Hand Opposite
- Dimensions given in inches (mm). Do Not Scale Drawing.
- Closer must be installed in a true horizontal plane to ensure proper closer performance.

Opening Maximum	DIM. A	DIM. B	DIM. C	Application
90°	12-3/4" (324mm)	11-5/8" (295mm)	27-3/4" (705mm)	NON A.D.A.
180°	8-11/16" (221mm)	7-9/16" (192mm)	23-5/8" (600mm)	

Figure 2



## 2

## Installation

### 2. Install Closer Bracket. (Figure 3)

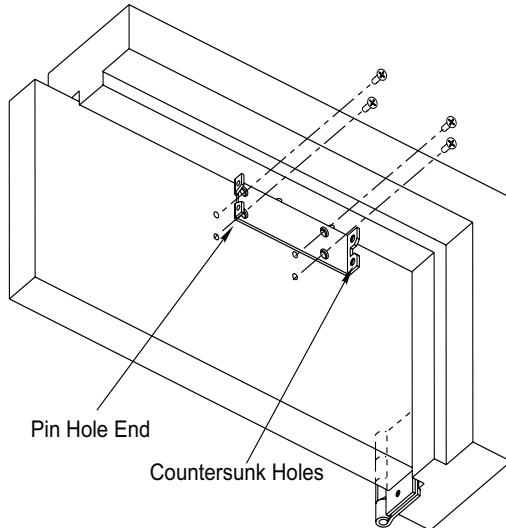


Figure 3

### 3. Mount Closer Body to Closer Bracket. (Figure 4)

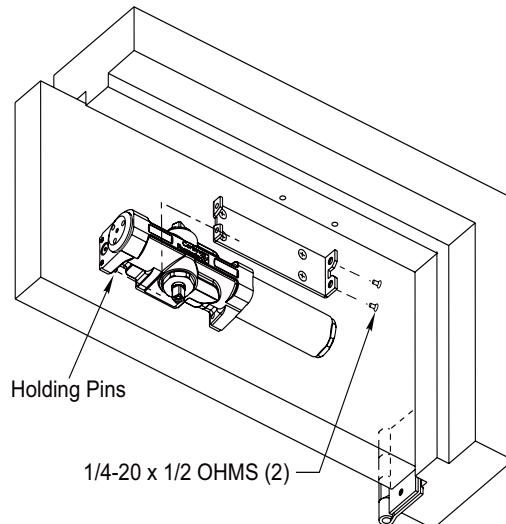


Figure 4

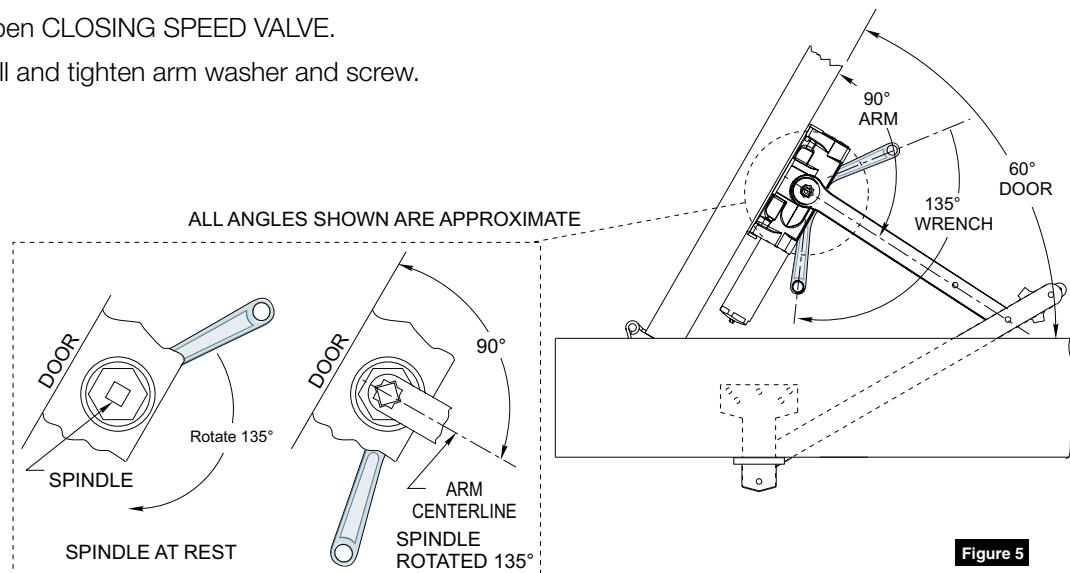
## 2

## Installation

### 4 Connect Arm To Closer. (Figure 5)

Using hex wrench provided, close (turn clockwise) CLOSING SPEED VALVE (see page 5 for location on closer). **DO NOT OVER TIGHTEN.**

- Open door to approximately 60°.
- Using wrench on underside of spindle, rotate spindle approximately 135° toward hinge edge of door.
- Install arm on spindle at an approximate 90° angle to door.
- Reopen CLOSING SPEED VALVE.
- Install and tighten arm washer and screw.



## Installation Instructions

## 3

## Adjustments

## Adjustments (Figure 6)

(3/32 Allen Wrench Provided)

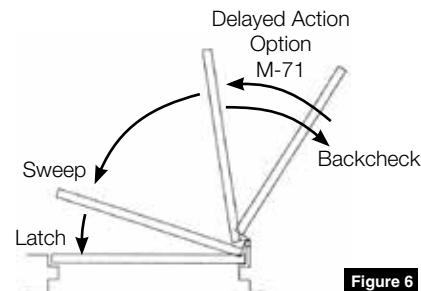


Figure 6

## Closing Speed Valve (Figure 7)

To adjust speed of door closing from fully open to a position 2 to 5" from closed, turn Closing Speed Valve CLOCKWISE to SLOW closing, COUNTER-CLOCKWISE to SPEED closing.

## Latching Speed Valve (Figure 8)

After closing speed has been obtained, turn latching speed valve CLOCKWISE to SLOW latching or COUNTER-CLOCKWISE to SPEED latching for last 2" to 5" of door travel.

**NOTE: Set combination of CLOSING and LATCHING speeds to between 3 and 7 seconds. Use of door by handicapped, elderly or small children, may require even greater closing time.**

## Backcheck Intensity Valve (Figure 7)

Turn valve COUNTER- CLOCKWISE to reduce backcheck or CLOCKWISE to increase backcheck. (Backcheck should be set to give a soft cushioning action, not a sudden stop).

## Delayed Action Valve (Figure 7)

Turn valve CLOCKWISE to SLOW closing, COUNTER-CLOCKWISE to SPEED closing. Delayed action may be adjusted from 20 seconds to 90 seconds, depending on degree of door swing. Delay occurs at the beginning of the door closing cycle from fully open down to 70°, where the closing speed valve then begins its control.

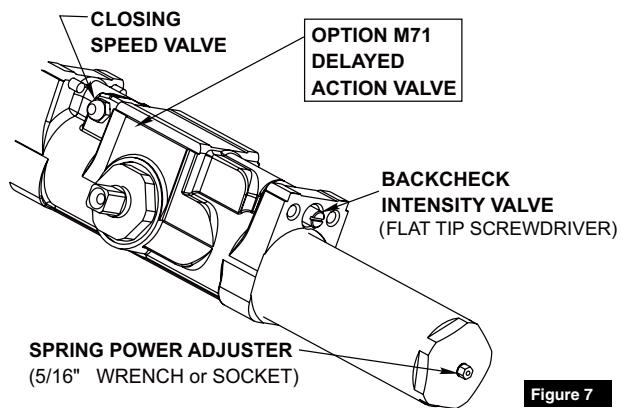


Figure 7

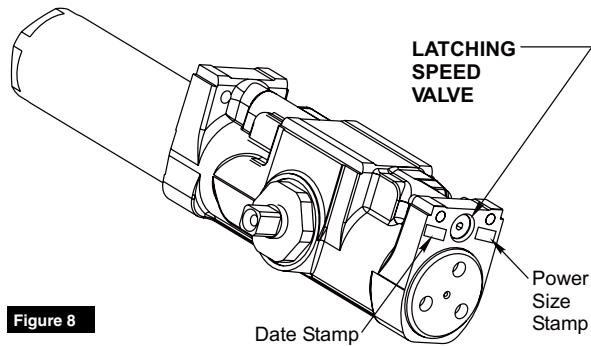


Figure 8

### 3

## Adjustments

### Adjust Spring Power According to Chart

#### DC3200 Size 1-6 Adjustment (Figure 9)

- All DC3200 closers are factory set at an approximate Size 3.

- Adjust closer as necessary for door size using this chart.
- Readjustment may be required to suit prevailing conditions.

Size of Door			No. of Full (360°) Turns Clockwise of Power Adjuster	Equivalent Closer Size (Approx.)
Interior	Exterior In-Swinging	Exterior Out-Swinging		
2' 4" (712)	2' 6" (764)	-	4	2
2' 6" (764)	3' 0" (915)	-	8	3
3' 0" (915)	3' 6" (1067)	2' 6" (764)	12	4
3' 6" (1067)	4' 0" (1219)	3' 0" (915)	16	5

Figure 9

### 4

## Cover Installation

### Install Cover (Figure 10)

Slip cover over closer. Hold tightly against closer mounting surface. Secure on each side with 6-32 x 1/4 PBHMS screws.

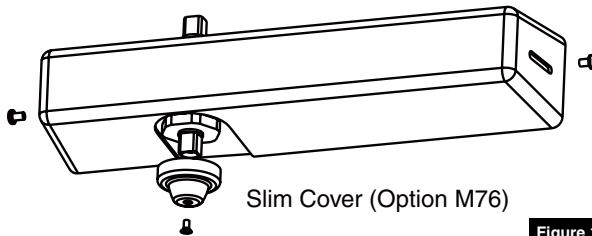


Full Cover (Standard)

Figure 10

### Slim Cover Option M76 only (Figure 11)

Position spindle cap over unused spindle and secure with truss head screw.



Slim Cover (Option M76)

Figure 11

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