

Installation Instructions

DC3200/DC6200/DC6400 Series

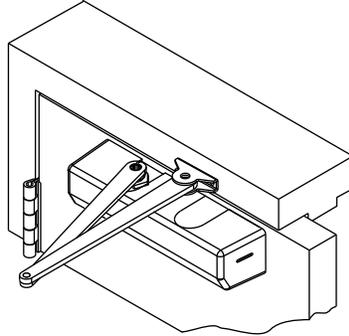
Universal Door Closers

For Non-Hold Open with A10 Heavy Duty Arm

Multi-Sized 1 through 6 (DC3200/DC6200), Half-Size 1 through 6 (DC6400)



ASSA ABLOY



Regular 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.

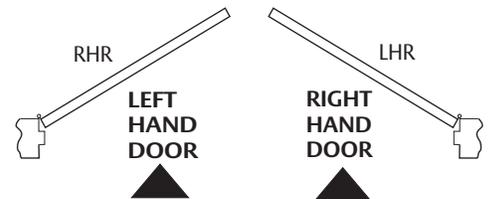
BEFORE INSTALLING:



- The Americans with Disabilities Act (ADA) requires that doors having door closers have an opening force not to exceed 5 lbf for interior doors and 8.5 lbf for exterior doors. Use standard templating for regular arm and parallel arm applications. Jamb mounted applications use the template for 140° door opening to achieve the required opening force.
- The door closer's power size adjustment feature may require adjustment to its lowest setting to comply with ADA opening force guidelines.
- ADA compliant closers are: DC3200, DC6200 & DC6401.

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

TO DETERMINE HAND OF YOUR DOOR:



*DC6400 Series Recommended

**NOTE: These forces are for standard templating with bearing type hinges and do not account for pressure differentials and draft. Half size closers DC6400 are capable of being adjusted to next higher setting.

For installation assistance contact Corbin Russwin
1-800-543-3658 • techsupport.corbinrusswin@assaabloy.com

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and more open world

DC3200, DC6200 & DC6400 Series

Regular Arm Application with A10 Heavy Duty Arm

Installation Instructions

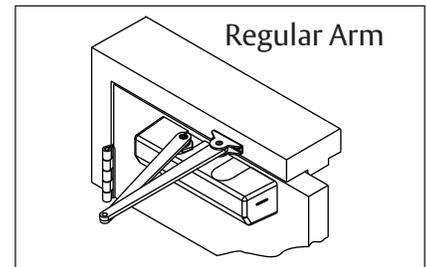
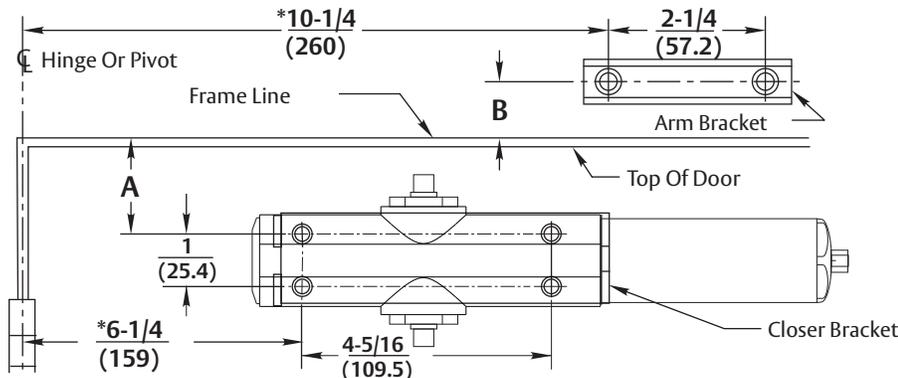


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1. Template

Mark Door and Jamb (for closer bracket and arm bracket)

For Vertical Dimensions use "Mounting Dimensions Chart"



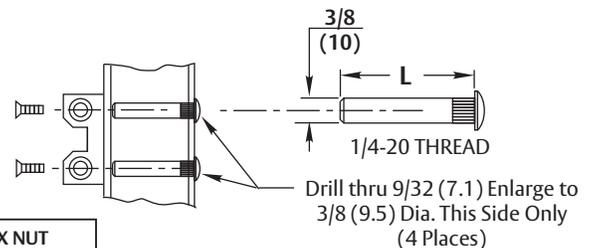
* To obtain extra closing force add 3" (77mm) to dimensions marked. This will limit degree of door opening to 110° and void compliance with ADA opening force guidelines.

MOUNTING DIMENSIONS			MINIMUM CLEARANCE REQUIRED OVER DOOR
TOP RAIL	A	B	
2-1/2" & OVER (64mm)	1" (25.4mm)	3/4" (19mm)	1-11/16" (43mm)
1-3/4"-MIN. (44mm)	5/8" (16mm)	1-1/8" (29mm)	2-1/16" (53mm)

MOUNTING SCREW SPECIFICATIONS

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

or Sex nuts, Option M54, 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)

NOTES:

- Check hand of door, see page 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.
- Door opening (up to 180°) is dependent upon door, frame, wall and hinge/pivot conditions permitting.
- Maximum Hinge Side Reveal 1/8" (3mm).

DC3200, DC6200 & DC6400 Series

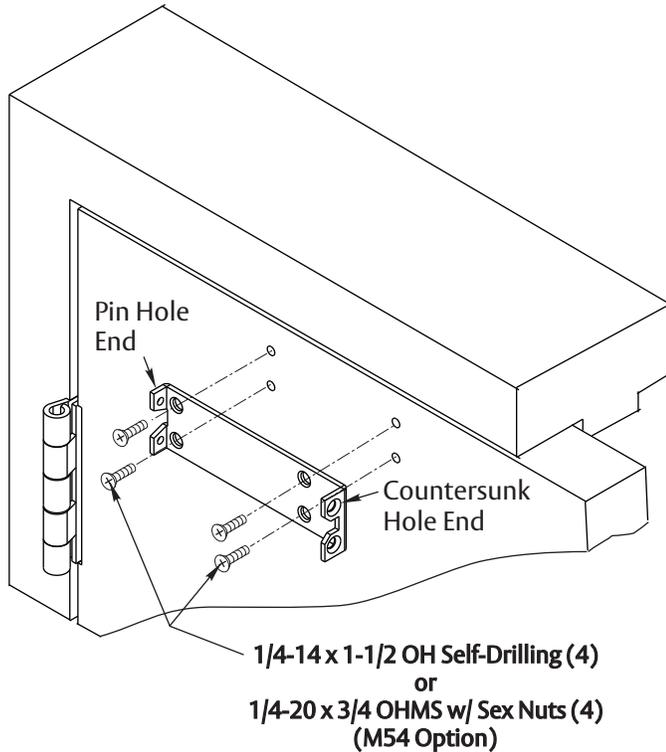
Regular Arm Application with A10 Heavy Duty Arm (cont.)

Installation Instructions

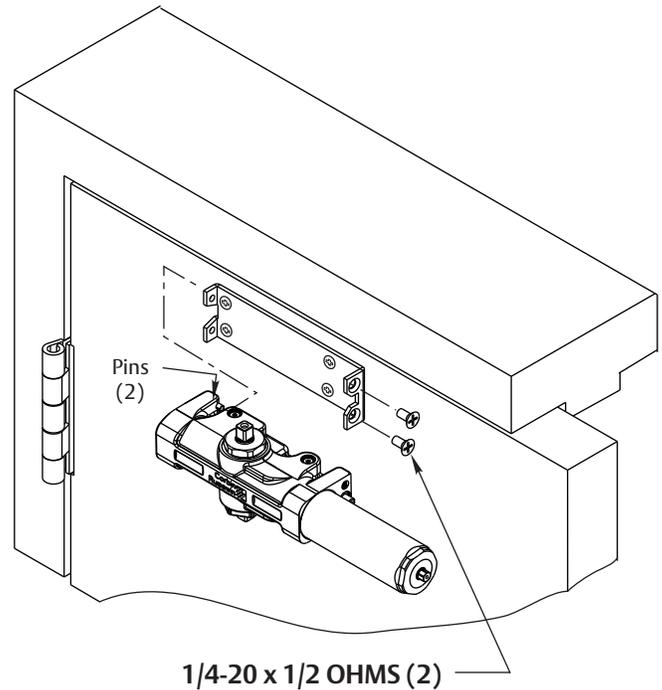


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2. Install Closer Bracket

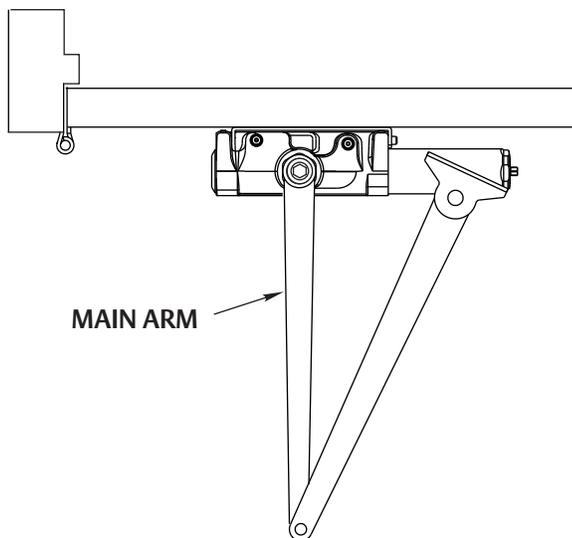


3. Mount Closer Body to Closer Bracket



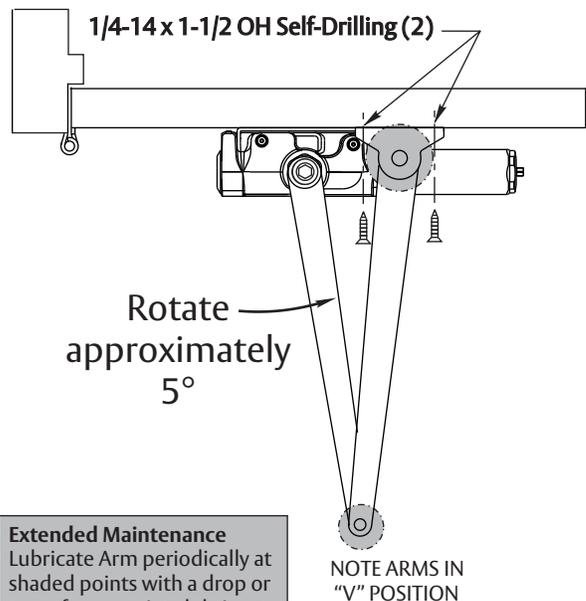
4. Position Arm on Closer

Main arm projects straight out at 90° angle to door.



5. Preload and Fasten Arm to Frame

Close door, swing arms so that they form a "V" position. Align holes in arm bracket with pre-drilled holes on frame and install attaching screw.



Extended Maintenance
Lubricate Arm periodically at shaded points with a drop or two of appropriate lubricant.

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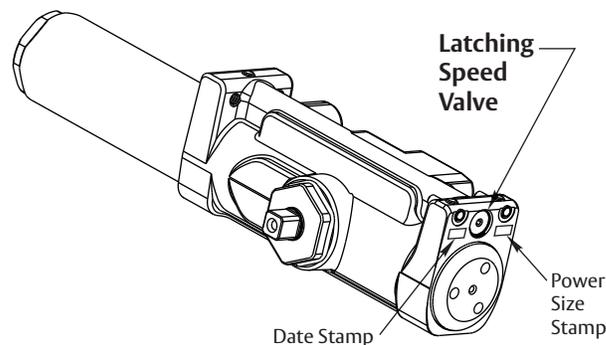
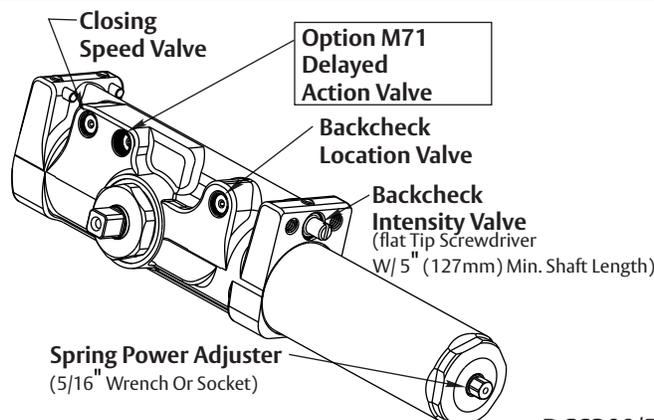
Spring Power Adjustment

Locate spring power adjuster from Illustration below
DC6400 Half Size Adjustment as Desired
DC3200/DC6200 Size 1 thru 6 Adjustment See Chart

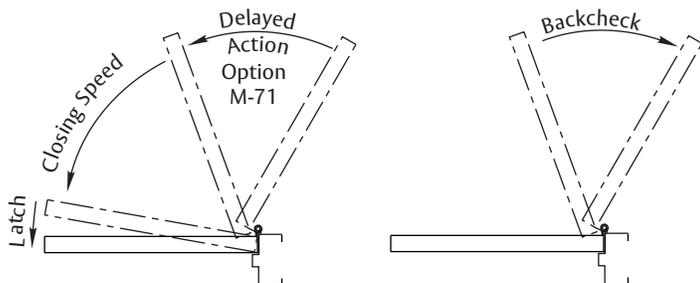
DC3200/DC6200 SPRING POWER ADJUSTMENT CHART

- All DC3200/DC6200 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 Swing		
2' 4" (712)	2' 6" (764)	4	2
2' 6" (764)	3' 0" (915)	8	3
3' 0" (915)	3' 6" (1067)	12	4
3' 6" (1067)	4' 0" (1219)	16	5



DC6200/DC6400 Series Shown



Closing Speed Valve (1/8" Allen Wrench Provided)

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 (1/8" Allen Wrench Provided)

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.

Delayed Action Valve (1/8" Allen Wrench Provided)

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.

Backcheck Location Valve (1/8" Allen Wrench Provided)

Valve is closed, as shipped, from factory. To increase the degree of door opening where backcheck takes effect, turn valve counter-clockwise. For DC6200/DC6400 Series only.

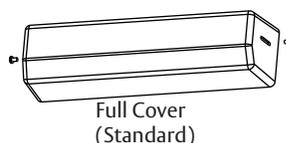
VALVE	OCCURS AT
CLOSED	60°-65°
OPEN	85°-90°

Degrees shown are approximate

Backcheck Intensity Valve

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).

Installing Cover



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