

Installation Instructions

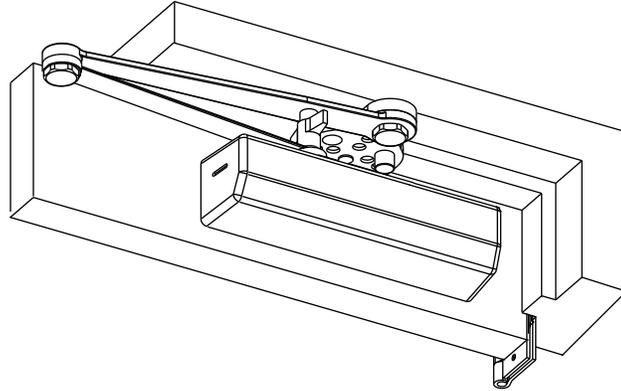
DC3210/DC6210/DC6410 Series



ASSA ABLOY

Universal Door Closers w/ Heavy Duty Parallel Arms

A2 (H.O. w/o Backstop), A4 (N.H.O. w/ Backstop) & A5 (H.O. with Backstop)
Multi-Sized 1 through 6 (DC3210/DC6210), Half-Size 1 through 6 (DC6410)



A2 Arm

*This application requires an auxiliary door stop "by others"
Hold Open Only
(No Stop Feature)

A4 Arm

Non-Hold Open with Backstop

A5 Arm

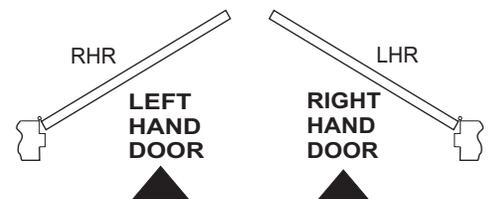
Hold Open with Backstop

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.
- Door closers with a HOLD OPEN ARM are not permitted to be installed in fire door assemblies.
- Door and frame must be specifically templated for 85°, 90°, 100° or 110° door swing.

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

TO DETERMINE HAND OF YOUR DOOR:



*DC6410 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 DC6410 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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Experience a safer
and more open world

DC3210, DC6210 & DC6410 Series

Parallel Arm Application - A2, A4, or A5 Arm Option

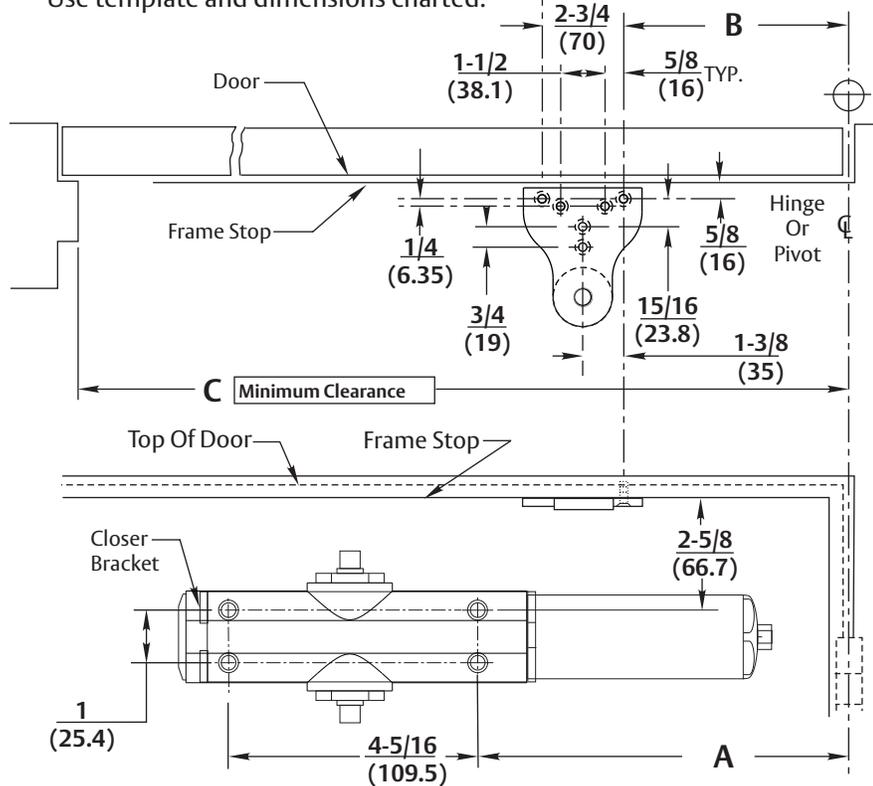
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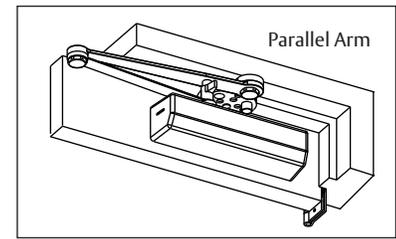
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1. Template

Mark Door and Jamb (for closer bracket and arm bracket)
Use template and dimensions charted.

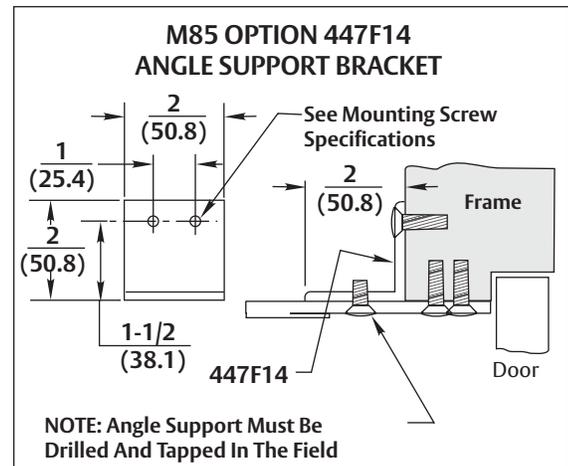
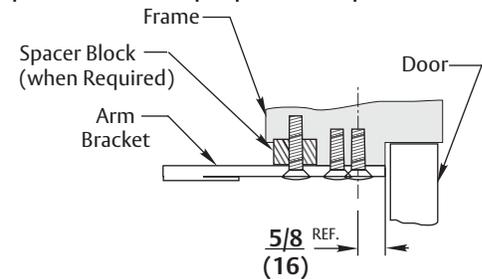


OPENING MAXIMUM	A	B	C MINIMUM
85°	13-3/4 (349)	12-9/16 (319)	28-3/4 (730)
90°	12-13/16 (325)	11-5/8 (295)	27-7/8 (708)
100°	11-1/4 (286)	10-1/16 (256)	26-1/4 (667)
110°	9-15/16 (252)	8-3/4 (222)	25 (635)



NOTES:

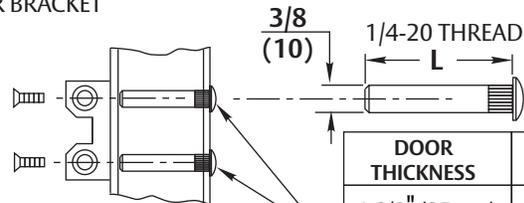
- Check hand of door, see page 1.
- Right Hand Application Shown Left Hand Opposite
- Dimensions given in inches (mm). Do Not Scale Drawing.
- Closer must be installed in a true horizontal plane to ensure proper closer performance.



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 { Option M54: Sex nuts, Furnished when ordered



Drill thru 9/32 (7.1) Enlarge to 3/8 (9.5) Dia. This Side Only (4 Places)

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

DC3210, DC6210 & DC6410 Series

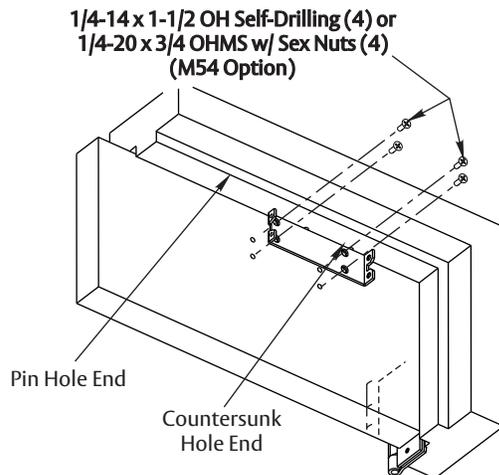
Parallel Arm Application - A2, A4, or A5 Arm Option (cont.)

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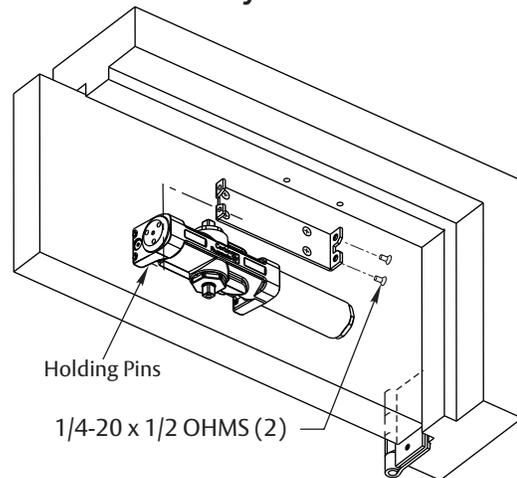


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2. Install Closer Bracket



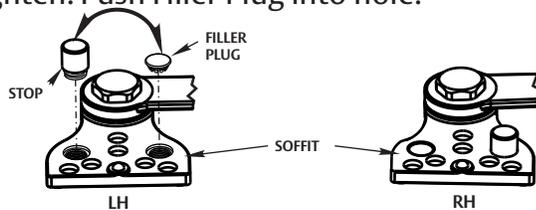
3. Mount Closer Body to Closer Bracket



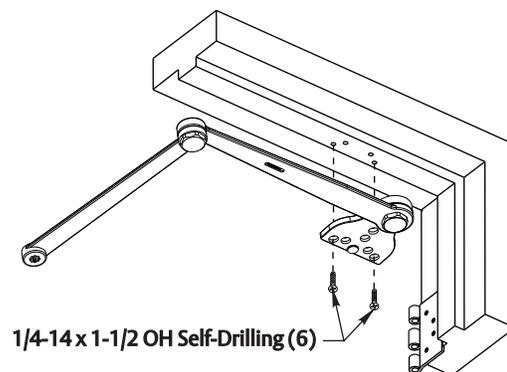
4. A4 & A5 Backstop Arms Only Arms shipped for Left Hand Door.

To change handing:

Remove Stop from Soffit with 5/32 Allen Wrench. Remove Filler Plug. Switch Stop and Filler Plug to opposite sides. Insert Stop and tighten. Push Filler Plug into hole.



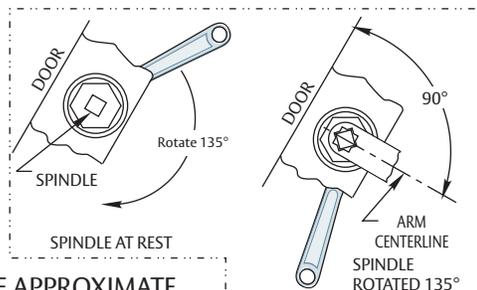
5. Mount Arm to Door Frame



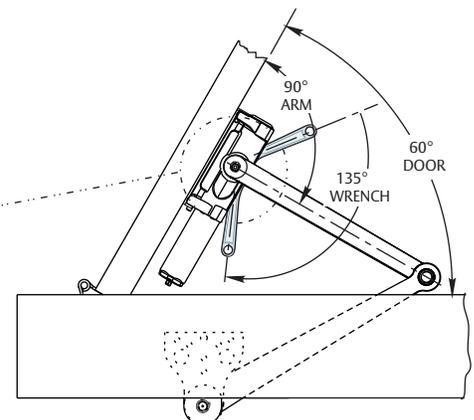
6. Connect Arm To Closer

Using hex wrench provided, close (turn clockwise) CLOSING SPEED VALVE (see page 4 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.



ALL ANGLES SHOWN ARE APPROXIMATE



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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

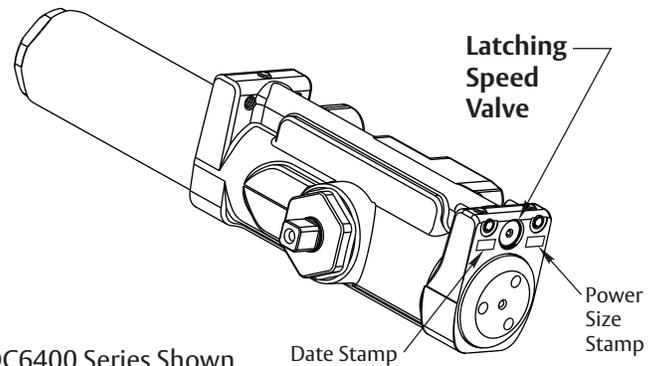
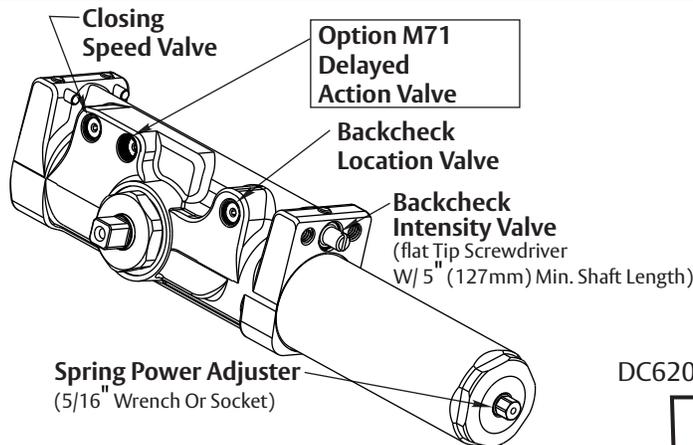
DC3200/DC6200 SPRING POWER ADJUSTMENT CHART

•All DC3200/DC6200 closers are factory set at an approximate Size 3.

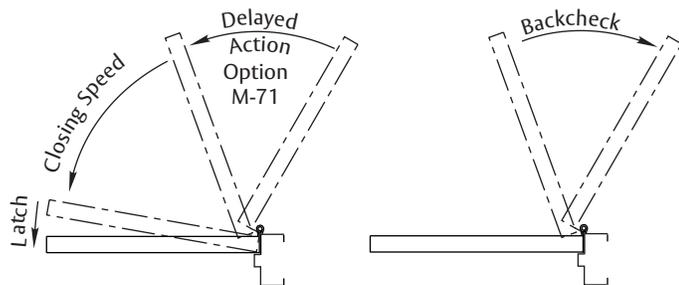
•Adjust closer as necessary for door size using this chart.

•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	Exterior Out Swing		
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



DC6200/DC6400 Series Shown



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	65°-70°
OPEN	95°-100°

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).

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.

Installing Cover



Full Cover (Standard)

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

Hold Open Operation (A2 and A5 Arms only)

A quarter turn of the tee handle in either direction engages or disengages the hold open feature.

