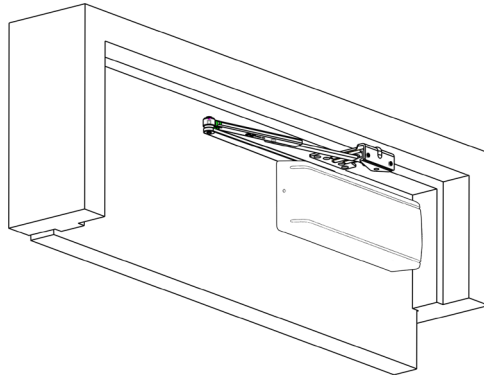


Installation Instructions

DC8200 Series

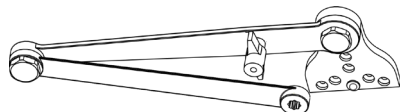
Universal Door Closer with Heavy Duty Parallel Arms (A2, A4, and A5)

DC8210 Series Multi-Sized from 1 through 6



A2 Arm

Hold Open without Backstop
(No Stop Feature)



This application requires an auxiliary door stop "by others".

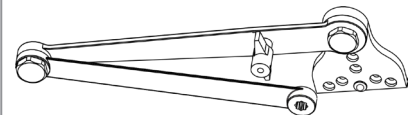
A4 Arm

Non-Hold Open with Backstop



A5 Arm

Hold Open with Backstop

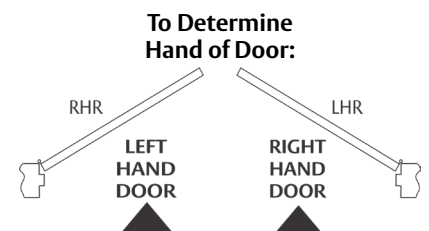


IMPORTANT:

- An improperly installed or incorrectly adjusted door closer may cause **property damage and/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 and frame must be specifically templated for 85°, 90°, 100°, or 110° door swing.
- Door closers with a HOLD OPEN ARM are not permitted to be installed in fire door assemblies.
- Doors should be hung on ball bearing or anti-friction hinges/pivots.
- Door closer must not be installed on the exterior of a door in an exterior wall of a building.

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

**These forces are for standard templating with bearing type hinges and do not account for pressure differentials and drafts.



! WARNING

This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.

! WARNING

Attention Installer: Improper installation may result in damage to the product and void the factory warranty.

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

Copyright © 2006, 2009, 2022, ASSA ABLOY Access and Egress Hardware Group, Inc. All rights reserved. Reproduction in whole or in part without the express written permission of ASSA ABLOY Access and Egress Hardware Group, Inc. is prohibited.

80-9380-8001-152 Rev 3 12/22

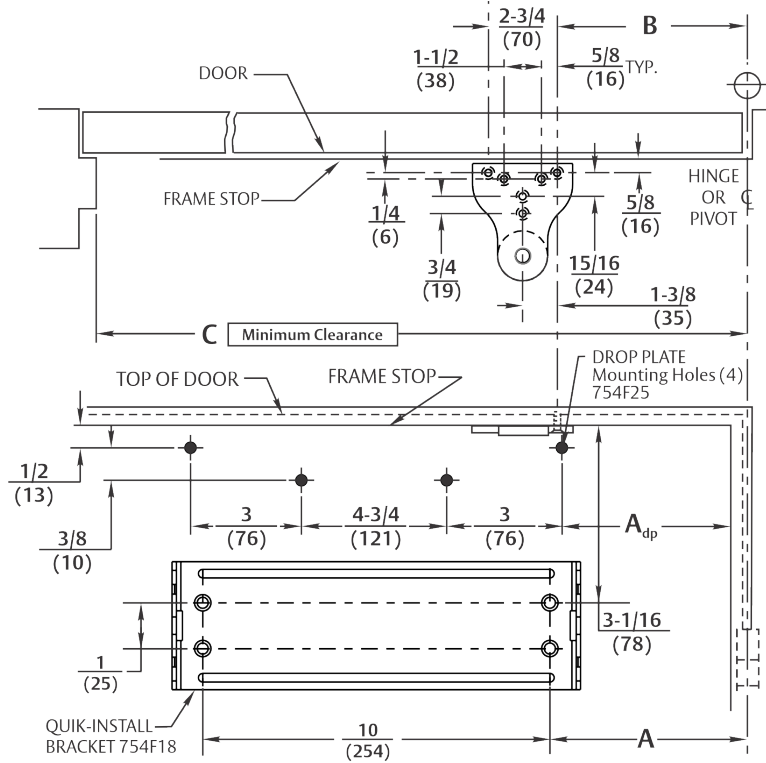
Experience a safer
and more open world

Approved 2022-12-12

Installation Instructions

A. Mark door and Jamb (for QUIK-INSTALL® bracket and arm bracket)

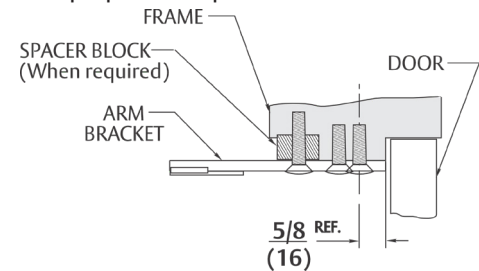
Use template and dimensions charted.



Opening Maximum	A QUIK-INSTALL Bracket	A _{dp} Drop Plate	B Soffit Bracket	C Minimum Clearance
85°	8-3/4 (222)	8-3/8 (213)	12-7/16 (316)	28-7/8 (733)
90°	7-3/4 (197)	7-3/8 (187)	11-1/2 (292)	28 (711)
100°	6-1/4 (159)	5-7/8 (149)	10 (254)	26-3/8 (670)
110°	4-7/8 (124)	4-1/2 (114)	8-5/8 (219)	25-1/8 (638)

NOTES:

- Check hand of door (Refer to 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.



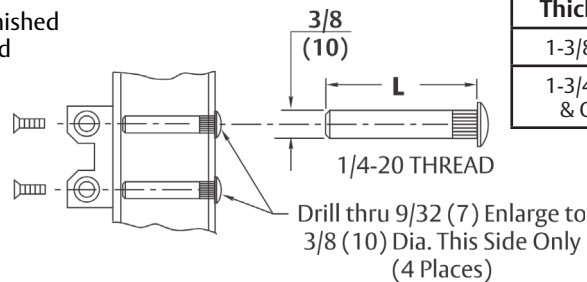
M85 OPTION 447F14 ANGLE SUPPORT BRACKET

NOTE: ANGLE SUPPORT MUST BE DRILLED AND TAPPED IN THE FIELD

Mounting Screw Specifications

Arm and QUIK-INSTALL Bracket

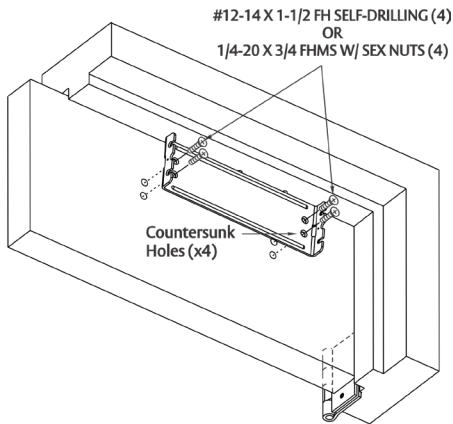
#12-14 self-drilling screw
1/8 (3) diameter pilot hole required for Wood Applications } OR { Sex nuts, furnished when ordered



Door Thickness	Sex Nut Length "L"
1-3/8 (35)	1-9/32 (33)
1-3/4 (44) & Over	1-21/32 (42)

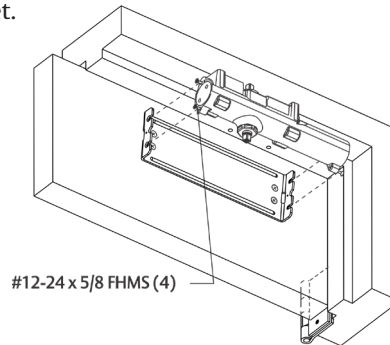
Installation Instructions

B. Mount QUIK-INSTALL Bracket.



C. Mount Closer Body to QUIK-INSTALL Bracket.

- Start the four (4) mounting screws into the four (4) closer mounting holes.
- Place the closer onto the QUIK-INSTALL bracket with the four (4) mounting screws inserted in the four (4) QUIK-INSTALL bracket slots.
- Tighten the four (4) mounting screws to fasten the closer body to the QUIK-INSTALL bracket.

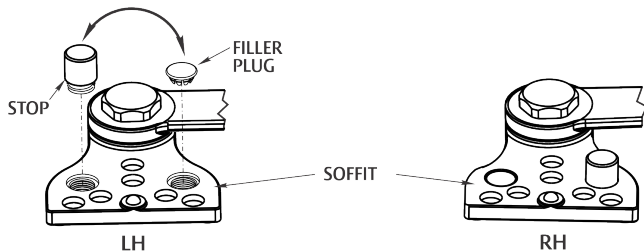


D. For Arms A4 and A5 Only: Handing Change.

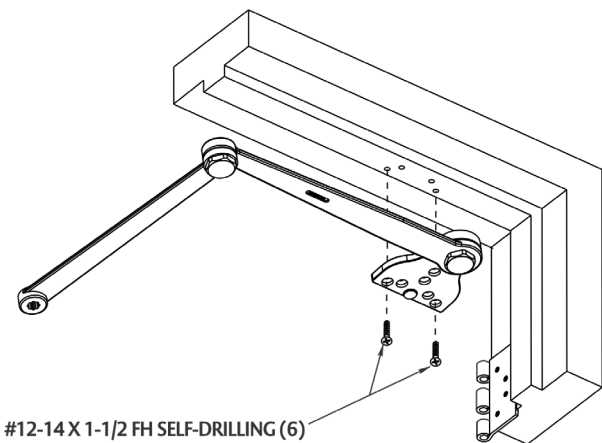
Arms are shipped for Left Hand Door.

To change handing:

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



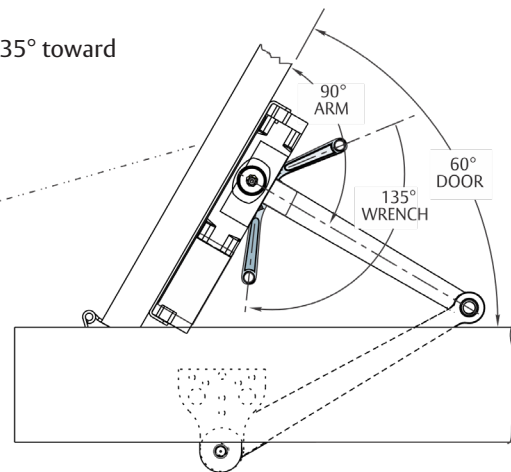
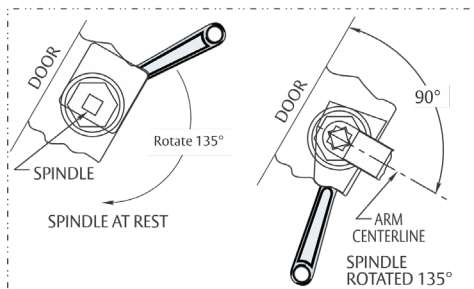
E. Mount Arm to Door Frame.



F. Connect Arm to Closer.

Using 1/8 hex wrench, turn Closing Speed Valve clockwise to close the valve. **Do Not Overtighten!**
(Refer to page 4 for valve location.)

- Open door to approximately 60°.
- Using wrench on the underside of spindle, rotate spindle approximately 135° toward hinge edge of door.
- Install arm on spindle at an approximate 90° angle to door.
- Reopen the Closing Speed Valve.
- Install and tighten 5/16 Hex Head Arm Washer and Screw Assembly.



F. Adjust Closer

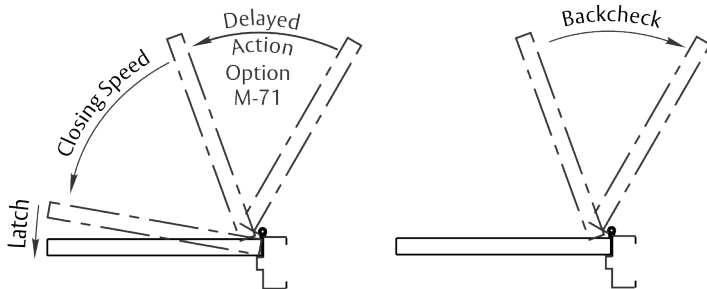
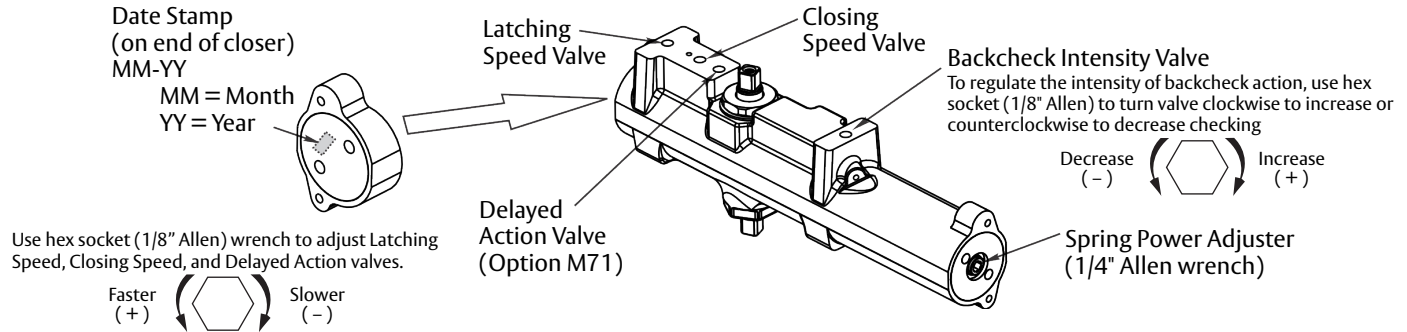
Spring Adjustment Power

Locate spring power adjuster from illustration below.

DC8200 Size 1 thru 6 Spring Power Adjustment Chart

- All DC8200 closers are factory set at an approximate Size 3.
- Adjust closer as needed for door size using this chart.
- Readjustment may be required to suit prevailing conditions.

Size of Door			Spring Power Adjustment (No. of Full turns Clockwise)	Approx. Equivalent Closer Size
Interior	Exterior In Swing	Exterior Out Swing		
2' 4" (712)	2' 6" (764)	—	2-7	3
2' 6" (764)	3' 0" (915)	—	7-11	4
3' 0" (915)	3' 6" (1067)	2' 6" (764)	11-15	5
3' 6" (1067)	4' 0" (1219)	3' 0" (915)	15-17	6



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, **COUNTERCLOCKWISE** 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 **COUNTERCLOCKWISE** 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, **COUNTERCLOCKWISE** 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.

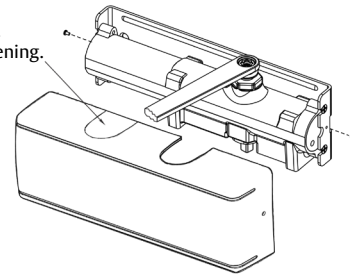
Backcheck Intensity Valve

Turn valve **COUNTERCLOCKWISE** 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 QUIK-INSTALL Bracket surface.
- Secure on each side with 6-32 x 1/4" PBHMS screws.

Insert is removable.
Place in unused opening.



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.

