

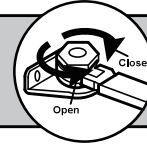
QDC112 (adjustable/sizes 1-6)

QDC112BF (adjustable/sizes 1-4)

Installation Instructions

Incorrect installation or adjustment could cause damage or injury. Read and follow instructions carefully.

This sheet covers 3 installation options, select appropriate installation • Diagram measurements are for your reference only
They are not to scale • All measurements are to be made manually • Optional: Delayed Action

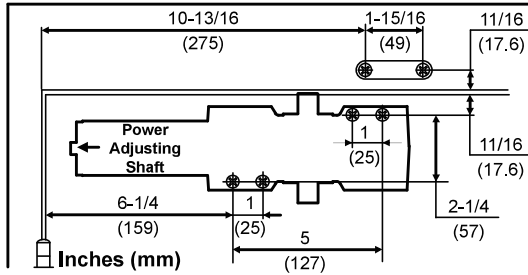


Hold-open position adjustment for all options.

Option A • Regular Arm Installation

Diagram for Option A (Hold open: 90–120°)

Right hand door shown, reverse measurements for left hand door application.



1. Using the measurements from diagram A, mark screw hole locations. Mark four (4) locations on door to mount door closer and two (2) locations on frame to mount hold-open arm.

2. Drill pilot holes in door and frame. Drill 7/32" (5.5mm) diameter holes for wood screws or drill and tap #7 (.201" diameter) for 1/4-20 machine screws.

3. Identify direction of hold open nut according to mounting using screws (c) or (d).

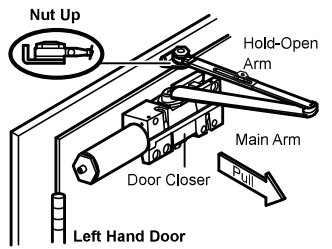
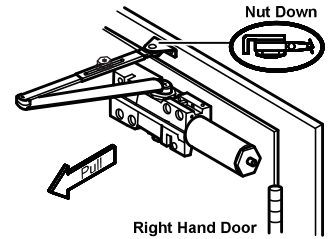
4. Mount closer onto door using screws (a) or (b). **Power adjusting shaft must be positioned toward hinge side.**

5. Install main arm to top pinion shaft, perpendicular to door. Secure tightly with arm screw/washer (h).

6. Adjust length of hold-open arm so that hold-open arm is perpendicular to frame when assembled to preloaded main arm. Secure forearm to main arm with screw (i).

7. Adjust door's closing speed and power; see page 2 for reference.

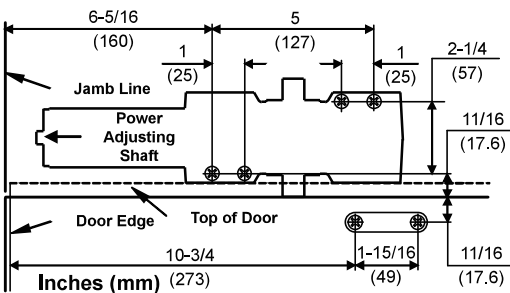
8. Install cover using small screws (j).



Option B • Top Jamb Installation

Diagram for Option B (Hold open: 90–120°)

Right hand door shown, reverse measurements for left hand door application.



1. Using the measurements from diagram B, mark screw hole locations. Mark four (4) locations on door to mount door closer and two (2) locations on frame to mount hold-open arm.

2. Drill pilot holes in door and frame. Drill 7/32" (5.5mm) diameter holes for wood screws or drill and tap #7 (.201" diameter) for 1/4-20 machine screws.

3. Identify direction of hold open nut according to mounting using screws (c) or (d).

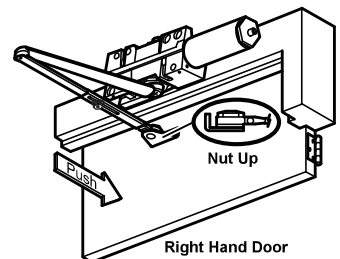
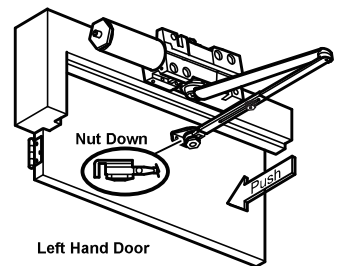
4. Mount closer onto door using screws (a) or (b). **Power adjusting shaft must be positioned toward hinge side.**

5. Install main arm to top pinion shaft, perpendicular to door. Secure tightly with arm screw/washer (h).

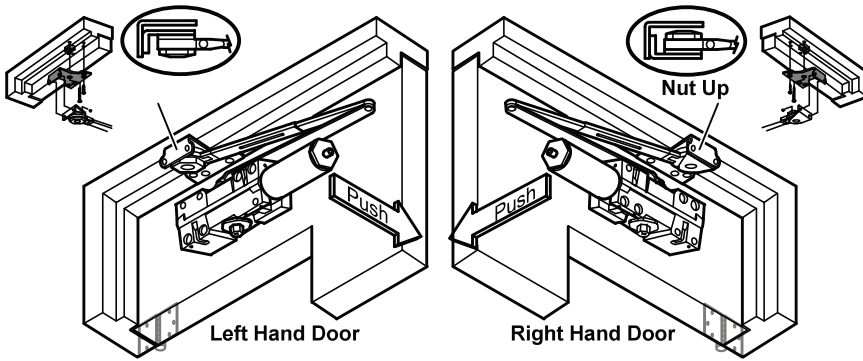
6. Adjust length of hold-open arm so that hold-open arm is perpendicular to frame when assembled to preloaded main arm. Secure forearm to main arm with screw (i).

7. Adjust door's closing speed and power, see page 2 for reference.

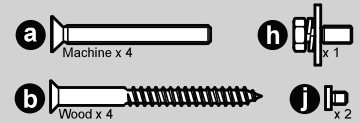
8. Install cover using small screws (j).



Option C • Parallel Arm Installation



Screw Pack (Door Closer)



Screw Pack (Hold-Open Arm)

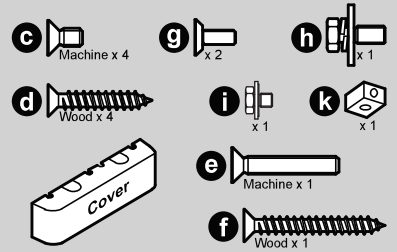
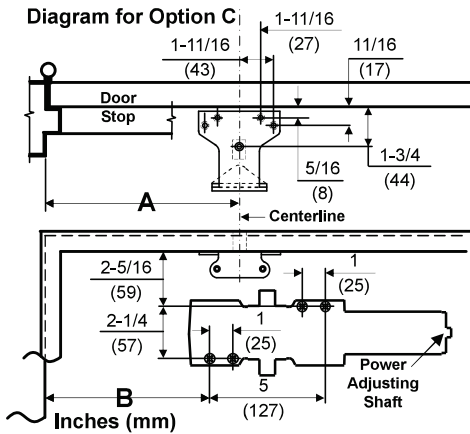


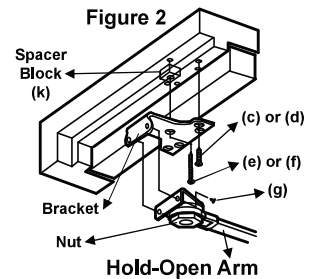
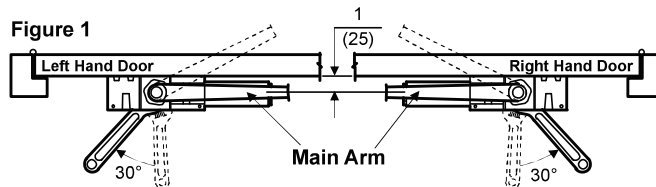
Diagram for Option C



Left hand door shown, reverse measurements for right hand door application.

1. Before installation, turn Back Check selector valve **ALL THE WAY IN (CLOCKWISE)**.
2. Using the measurement from diagram C, mark screw hole center locations. Mark four (4) locations on door to mount door closer and five (5) locations on inside frame to mount parallel bracket.
3. Drill pilot holes in door and frame. Drill 7/32" (5.5mm) diameter holes for wood screws and drill and tap #7 (.201" diameter) for 1/4-20 machine screws.
4. Install parallel bracket to frame using spacer block (k) and screws (c), (e) or (d), (f). (see figure 2).
5. Mount closer onto door using screws (a) or (b). **Power adjusting shaft must be positioned away from hinge side.**
6. Pre-load closer to 30°, as shown in Figure 1. Attach main arm to closer, with screw/washer (h).
7. Install hold-open arm to bracket. Identify direction of hold-open nut according to mounting using screws (g).
8. With door closed, adjust length of hold-open arm so that the tip of the main arm is approximately 1" (25mm) away from being parallel with door, when connected to the hold-open arm, secure with screw (i).
9. Adjust door's closing speed and power; see this page for reference.
10. Install cover using small screws (j).

Door Opening	Dim. A	Dim. B
To 90°	11½ (292)	9½ (241)
91° to 120°	10 (254)	8 (203)
121° to 180°	7¾ (200)	6½ (165)



Door Closer Adjustment

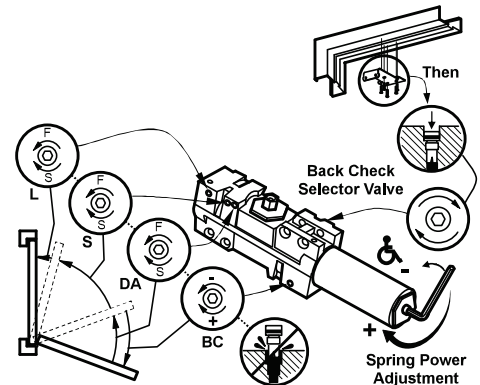
Do not turn speed adjusting valve more than two (2) full turns counter-clockwise from its preset in order not to back the valves out of closer or a leak will result.

Power Adjustment Chart

Door Closer Size	Full turns of Power Adjusting screw		Applicable Door Leaf Width		Applicable Door Leaf Weight
	QDC112	QDC112 BF	Interior	Exterior (Swing Out)	
BF	-	-14	5 lb-f	-	-
1	-6	-12	32" (0.81m)	28" (0.71m)	33-56 lbs (15-30 kg)
2	-3	-8	36" (0.91m)	32" (0.81m)	56-99 lbs (30-45 kg)
3	0 (Preset)	0 (Preset)	42" (1.07m)	36" (0.91m)	99-143 lbs (45-55 kg)
4	+3	+4	48" (1.22m)	42" (1.07m)	33-56 lbs (15-30 kg)
5	+7	-	54" (1.37m)	48" (1.22m)	33-56 lbs (15-30 kg)
6	+12	-	58" (1.47m)	54" (1.37m)	264-330 lbs (120-150 kg)



- L**: Latch Speed Valve
- S**: Sweep Speed Valve
- DA**: Delay Speed Valve
- BC**: Back Speed Valve



⚠ Warning: This Manufacturer advises that no lock can provide complete security by itself. This lock may be defeated by forcible or technical means, or evaded by entry elsewhere on the property. No lock can substitute for caution, awareness of your environment, and common sense. Builder's hardware is available in multiple performance grades to suit the application. In order to enhance security and reduce risk, you should consult a qualified locksmith or other security professional.

By law the Americans with Disabilities Act (ADA) may require that door closer installation comply with accessibility guidelines.

The closing force for series QDC111BF door closers is an adjustable form of a size 1 to a size 6, as outlined in ANSI Standard A156.4. When these series of door closers are installed and adjusted to conform to ADA reduced opening force requirements (5 lbs max) for interior doors, they may not have adequate closing force to reliably close and latch door. Power adjustments charted on this page are recommended where possible to ensure proper door control.