

C9000 Door Closer

180° Template P.A. Mounting INSTRUCTION SHEET

- 1** Locate proper template, tear along dotted line, peel template and apply so red arrows align. Center punch all hole locations. Drill 1/8" pilot holes and remove template.

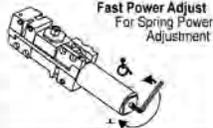


- 2** Determine door width, adjust spring power to match chart.

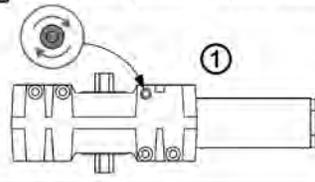
DOOR WIDTH	INTERIOR	EXTERIOR	SET TO:
			6
	34"	36"	0
	38"	40"	3
	48"	48"	7
	54"	54"	11
	60"	60"	13

CAUTION

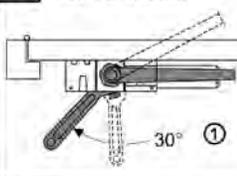
IMPROPER INSTALLATION OF THIS DEVICE MAY RESULT IN PROPERTY DAMAGE. FOLLOW THE INSTRUCTIONS CAREFULLY.



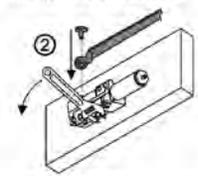
- 3** Screw in valve on back of closer. Using screws provided, secure closer to door.



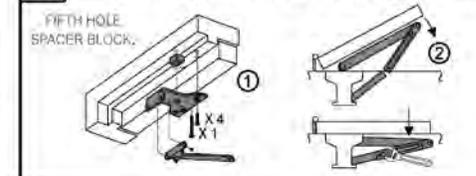
- 4** ① Pre-load closer to 30°, as shown.



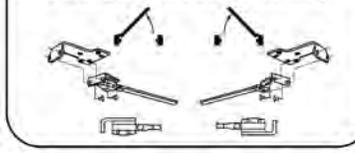
- ② Attach arm to closer, with provided fastener.



- 5** Attach P.A. shoe to frame and fasten forearm to shoe with fasteners provided. Pre-load arm and tighten screw.

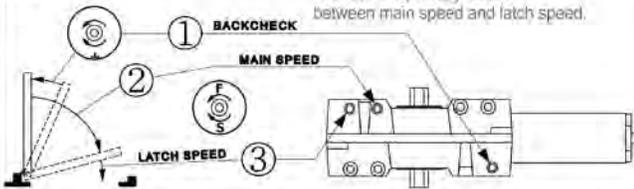


- I** Optional Hold-open arm. Identify direction of hold-open nut according to mounting.



- 6** If necessary, adjust closer

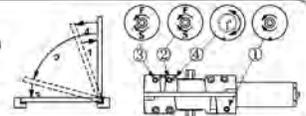
NOTE: A "Normal" closing time from 90° open position is 5 to 7 seconds, evenly divided between main speed and latch speed.



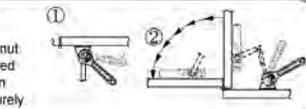
CAUTION

UPON THE ADJUSTMENT OF THIS DEVICE, THE USER SHOULD BE ADVISED OF ALL NECESSARY SAFETY PRECAUTIONS. FOLLOW THE INSTRUCTIONS CAREFULLY.

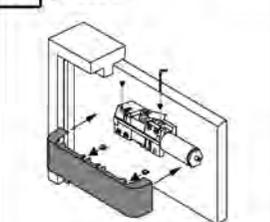
- Optional Delay Action
① - Backcheck
② - Main Speed
③ - Latch Speed
④ - Delay Speed



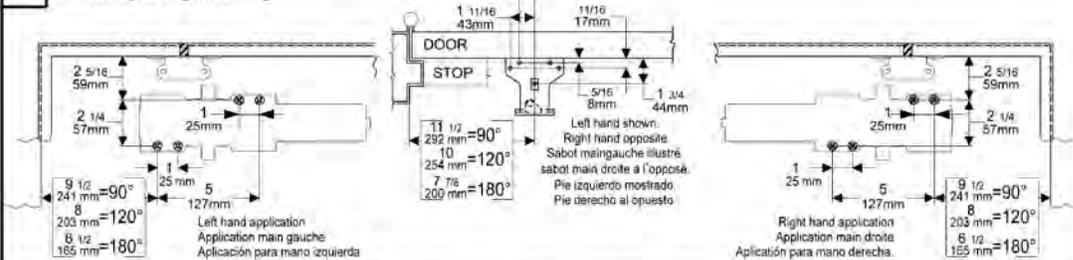
- III** To adjust Optional Hold-open arm: Loosen hold open nut. Open door to desired position and tighten hold open nut securely



- 7** Attach cover with fasteners provided.



- 8** Dimensional Information for standard and delay acting mounting.



C9000 Instructions et gabarit autocollant de 180° pour une installation "bras parallèle".

- 1** Repérez le gabarit approprié, détachez-le, retirez la pellicule et appliquez. Marquez le centre de tous les trous. Percez des trous de guidage de 1/8" et retirez le gabarit.

- 2** Mesurez la largeur de la porte. Réglez le ressort selon les indications du tableau. Réglage de force Fast pour régler la force du ressort

- 3** Vissez la soupape derrière ferme-porte. Fixez le ferme-porte sur la porte avec les attaches fournies.

- 4** ① Préchargez le ferme-porte à 30°, comme sur illustration.
② Rattachez le bras au ferme-porte avec l'attache fournie.

- 5** Rattachez le sabot du b. p. au cadre et fixez l'avant-bras sur le sabot avec les attaches fournies. Préchargez le bras et serrez la vis.

- I** Bras de retenue optionnelle. Identifiez la direction du boulon de retenue selon l'ouverture de la porte.

- 6** Au besoin, réglez
① - résistance d'ouverture
② - vitesse de fermeture
③ - vitesse de verrouillage

- 7** Fixez le boîtier avec les attaches fournies.

- 8** Dimensions

NOTE: la fermeture d'une porte ouverte à 90° prend normalement de 5 à 7 secondes, ce délai est réparti entre la vitesse de fermeture et la vitesse de verrouillage

- II** Pour régler le bras de retenue optionnelle, desserrez la vis de retenue. Ouvrez la porte à la position désirée et resserrez la vis.



C9000 Instrucciones Pela y Pega para plantilla 180° con montaje del brazo paralelo.

- 1** Localiza la plantilla apropiada, rompe a lo largo de la línea de puntos, pela la plantilla y aplícala. Haz agujeros en todos los sitios. Barrena agujeros pilotos de 1/8" y quita la plantilla.

- 2** Determina la anchura de la puerta. Ajusta la fuerza del resorte según lo indicado en el gráfico. Fast cuadrante de ajuste para ajustar la potencia del resorte

- 3** Atornilla la válvula al revés del cerrador. Sujeta el cerrador a la puerta con los tornillos ya incluidos.

- 4** ① Precarga el cerrador a 30°, tal como se muestra.
② Coloca el brazo al cerrador con el sujetador ya incluido.

- 5** Coloca el pie del brazo paralelo a la armazón y coloca el antebraccio con los sujetadores ya incluidos. Prepara el brazo y aprieta el tornillo.

- I** Brazo de retención opcional. Identifica la dirección de la tuerca de retención según el montaje.

- 6** Ajusta si es necesario.
① - resistencia de apertura
② - velocidad principal
③ - velocidad de seguro

- 7** Coloca la tapa con los sujetadores ya incluidos.

- 8** Datos dimensionales para montaje estándar y de acción retardada.

NOTA: El tiempo de cerrado "Normal" de una puerta abierta a 90° es de 5 hasta 7 segundos, dividido igualmente entre la velocidad principal y la velocidad de seguro.

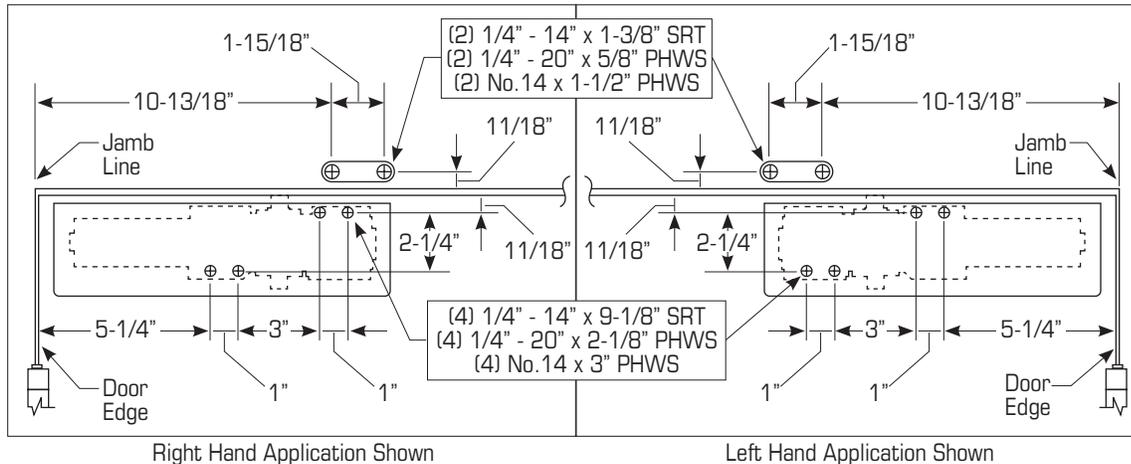


C9000 Series Door Closer Installation

Standard and Top-Jamb Installation

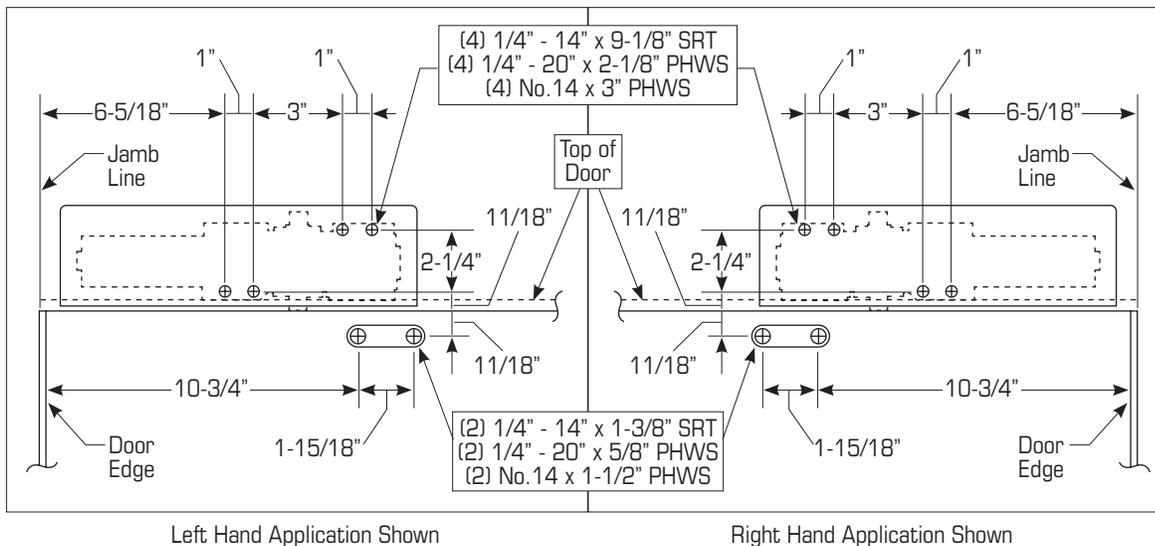
STANDARD INSTALLATION:

Regular arm application provides the best power efficiency. It is the only installation that installs on the hinge (pull) side of the door. Regular arm applications require at least 1-3/4" from top of door to ceiling so arm does not hit the ceiling and at least 2-1/2" behind door when door is opened to 90°, so closer body will not damage the wall.



TOP-JAMB INSTALLATION:

Top-jamb application is the best alternative to regular arm for power efficiency. It is installed on the frame stop (push) side of the door. It is frequently used on doors with a narrow top rail, such as exterior aluminum storefront doors. Top-jamb applications require the frame to be at least 1-3/4" in height, or else a drop plate must be used (a drop plate provides a mounting surface for the door closer).



GENERAL LOCK

Quality & Value™

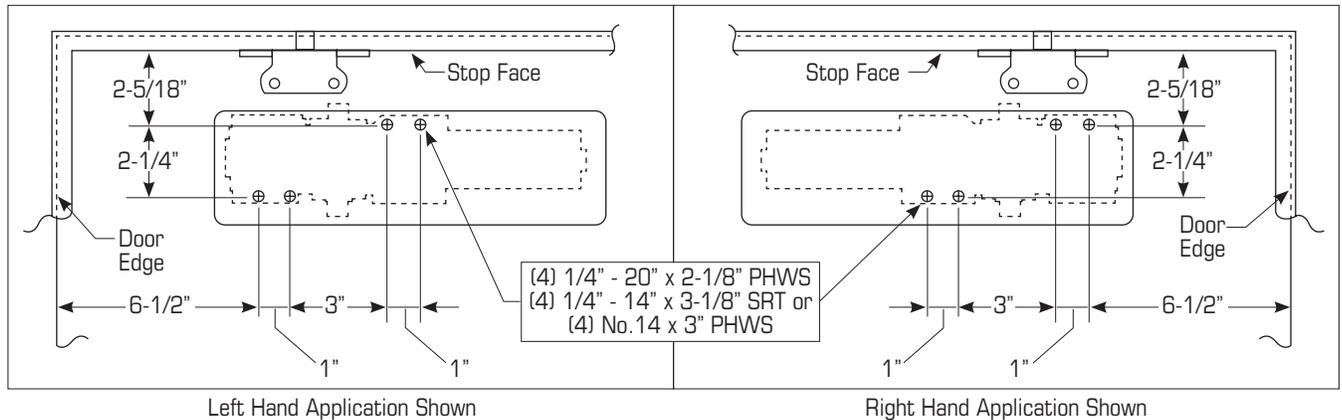
— Product Guide 103.1 — D:3

C9000 Series Door Closer Installation

Parallel Arm and 9016 DP-18PA Drop Plate Installation

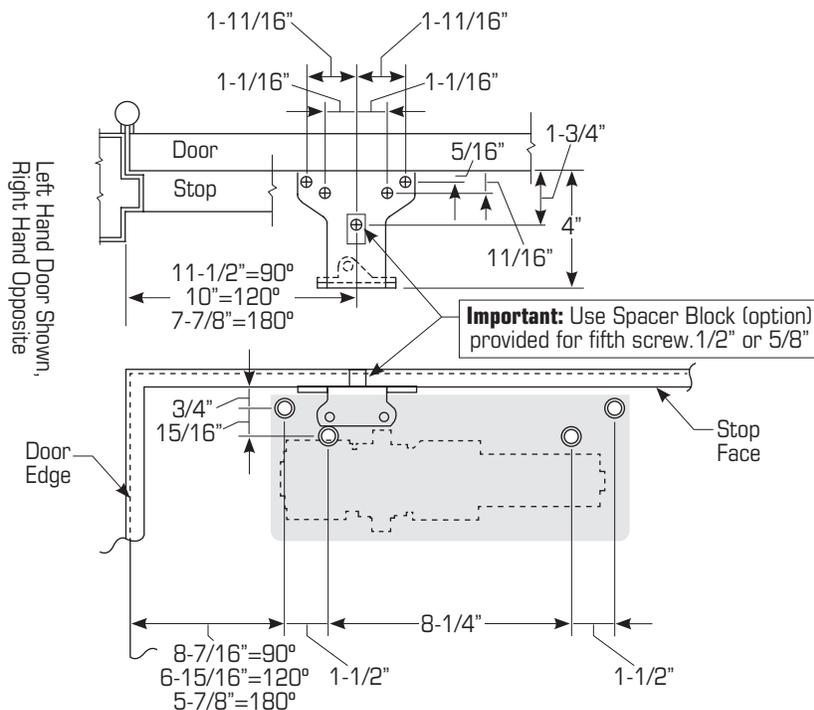
PARALLEL ARM INSTALLATION:

Parallel arm application is the least power efficient. It provides approximately 25% less power than regular arm. It is installed on the frame stop (push) side of the door. Since it is parallel with the door, it is chosen for appearances and is least susceptible to vandalism, making it a popular choice in schools. Parallel arm applications require at least 4-1/2" from the top of the door to the bottom mounting point of the door closer, or else a drop plate must be used.

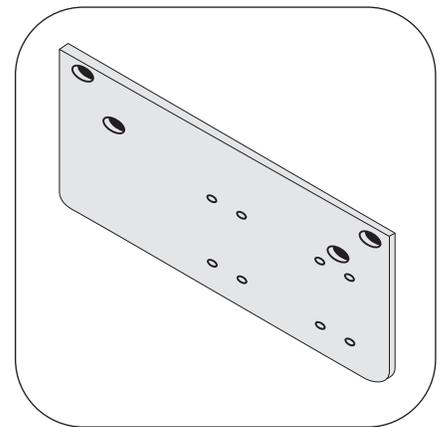


DROP PLATE INSTALLATION:

Push Side (Door Mount) Drop Plate
Permits 180° Maximum Opening



Push Side Mount on:
**9016 DP-18PA
Drop Plate**



GENERAL LOCK

Quality & Value™