C3000 SERIES DOOR CLOSERS
INSTALLATION INSTRUCTIONS
SIZE1, SIZE2, SIZE3, SIZE 4, SIZE 5, Non-Hold Open

INSTALLATION APPLICATION

Regular Arm installation
Closer installs on PULL/HINGE side of door.
Non Hold Open Arm
Left Hand Door-RH or Right Hand Reverse-RHR
See Page 2

Top Jamb Installation
Closer Installs on Frame on PUSH/STOP side of door.
Non Hold Open Arm
Left Hand Door-RH or Right Hand Reverse-RHR
See Page 3

Parallel Arm Installation
Closer installs on PUSH/STOP side of door.
Non Hold Open Arm
Left Hand Door-RH or Right Hand Reverse-RHR
See Page 4

DOOR CLOSER ADJUSTMENT

CLOSING CYCLE
NOTE: CLOSING arcs (CLOSE and LATCH) are controlled two (2) separate speed adjusting valves adjust the CLOSING speed first, then adjust the LATCHING speed.

1. CLOSING speed adjustment is accomplished by full rotations of the speed adjusting valve.
   - Turn the speed adjustment valve CLOCKWISE for a SLOWER CLOSE arc closing speed.
   - Turn the speed adjustment valve COUNTER-CLOCKWISE for a FASTER CLOSER arc closing speed.

2. LATCH speed adjustments is accomplished by full rotations of the speed adjusting valve.
   - Turn the speed adjustment screw CLOCKWISE for a SLOWER LATCH arc closing speed.
   - Turn the speed adjustment screw COUNTER-CLOCKWISE for a FASTER LATCH arc closing speed.

CAUTIONS!

Do not turn speed adjusting valve more than two (2) full turns counter-clockwise from its factory set position, as two speed adjusting valves could become dislodged from the door closer body, resulting in the loss of internal fluid and failure of the device.
Installation Instructions for REGULAR ARM (PULL SIDE) Mounting

THIS TEMPLATE COVERS REGULAR ARM INSTALLATIONS TO 180° OPENING.

**Size: 1**

C3001

Right hand door shown
Left hand in opposite
Dimensions are in inches
Do not scale drawing

**Size: 2**

C3002

**Size: 3**

C3003

Right hand door shown
Left hand in opposite
Dimensions are in inches
Do not scale drawing

**Size: 4&5**

C3004, C3005

**INSTALLATION INSTRUCTIONS**

1. Select door opening and use dimensions shown above, mark four (4) holes on frame door and two (2) holes on door of arm shoe.
2. Drill pilot holes in door and frame for #14 all-purpose screws or drill or tap for 1/4-20 machine screw.
3. Install forearm/arm shoe assembly to door using screws provided.
4. Mount closer on frame using screw provided. SPEED ADJUSTING VALVE MUST BE POSITIONED TOWARD HINGE EDGE.
5. Install main arm to top pinion shaft, perpendicular to frame when assembled to preload main arm (illustration below). Secure forearm to main arm with screw/washer assembly provided.
6. Adjust length of forearm so that forearm is perpendicular to frame when assembled to preload main arm (illustration below). Secure forearm to main arm with screw washer assembly provided.
7. Snap pinion cap over shaft at bottom of closer.
8. Adjust closing speed of door, following instructions as shown page 1.

**OPEN CYCLE**

NOTED:
These instructions apply to closers equipped with backcheck. To increase backcheck intensity, turn valve marked ”BC” clockwise. To decrease backcheck intensity, turn valve marked SC counter-clockwise.

**Top View Typical Installation**

Preload

SPEED ADJUSTING SCREW

Left hand door

Right hand door

Never close this valve completely

**GENERAL LOCK**

Quality & Value™
Installation Instructions for TOP JAMB (PUSH SIDE) Mounting

THIS TEMPLATE COVERS REGULAR ARM INSTALLATIONS TO 180° OPENING.

**Size: 1**
**C3001**
Left hand door shown
Right hand in opposite
Dimensions are in inches
Do not scale drawing

**Size: 2**
**C3002**

**OPENING** | **DIM.A**
---|---
To 120° | C3001,Size 1: 6-3/16 (157mm)
120°-180° | 4-1/8 (105mm)

**Size: 3**
**C3003**

**OPENING** | **DIM.A**
---|---
To 120° | C3003,Size 3: 8-1/2 (165.1mm)
120°-180° | 4 (101.6mm)

**Size: 4&5**
**C3004,C3005**

**OPENING** | **DIM.A**
---|---
To 120° | C3004,C3005,Size 4&5: 6 (152 mm)
120°-180° | 3-1/2 (89mm)

**INSTALLATION INSTRUCTIONS**
1. Select door opening and use dimensions shown above, mark four (4) holes on frame door and two (2) holes on door of arm shoe.
2. Drill pilot holes in door and frame for # 14 all-purpose screws or drill or tap for 1/4-20 machine screw.
3. Install forearm/arm shoe assembly to door using screws provided.
4. Mount closer on frame using screw provided. SPEED ADJUSTING VALVE MUST BE POSITIONED TOWARD HINGE EDGE.
5. Install main arm to top pinion shaft, perpendicular to frame when assembled to preload main arm (Illustration below). Secure forearm to main arm with screw/washer assembly provided.
6. Adjust length of forearm so that forearm is perpendicular to frame when assembled to preload main arm (Illustration below). Secure pinion cap over shaft at bottom of closer.
7. Snap pinion cap over shaft. Insert screws and tighten to preload.
8. Adjust closing speed of door. Following instructions as shown page 1.

**OPEN CYCLE**

**NOTE:**
These instructions apply to closer equipped with backcheck. To increase backcheck intensity, turn valve marked “BC” clockwise. To decrease backcheck intensity, turn valve marked “BC” counter-clockwise.

**Backcheck Range**

For C3003,C3004,C3005

**Top View Typical Installation**

LEFT HAND DOOR

RIGHT HAND DOOR

SPEED ADJUSTING SCREW

Preload

SPEED ADJUSTING SCREW

Preload
Installation Instructions for PARALLEL ARM (PUSH SIDE) Mounting

THIS TEMPLATE COVERS REGULAR ARM INSTALLATIONS TO 180° OPENING.

Parallel bracket accessory required

**Size: 1**
C3001

**Size: 2**
C3002

**Size: 3**
C3003

**Size: 4&5**
C3004, C3005

**OPEN CYCLE**

**NOTED:**
These instructions apply to closers equipped with backcheck.
To increase backcheck intensity, turn valve marked “BC” clockwise.
To decrease backcheck intensity, turn valve marked BC counter-clockwise.

**INSTALLATION INSTRUCTIONS**

1. Select door opening and use dimensions shown above, mark four (4) holes on frame door and two (2) holes on door of arm shoe.
2. Drill pilot holes in door and frame for #14 all-purpose screws or drill or tap for 1/4-20 machine screw.
3. Install forearm/arm shoe assembly to door using screws provided.
4. Mount closer on frame using screw provided. SPEED ADJUSTING VALVE MUST BE POSITIONED TOWARD HINGE EDGE.
5. Install main arm to top pinion shaft, perpendicular to frame when assembled to preload main arm (Illustration below). Secure forearm to main arm with screw/washer assembly provided.
6. Adjust length of forearm so that forearm is perpendicular to frame when assembled to pre-load main arm (Illustration below). Secure forearm to main arm with screw/washer assembly provided.
7. Snap pinion cap over shaft at bottom of closer.
8. Adjust closing speed of door following instructions as shown page 1.

**Typical Installation**

Speed adjust screw