

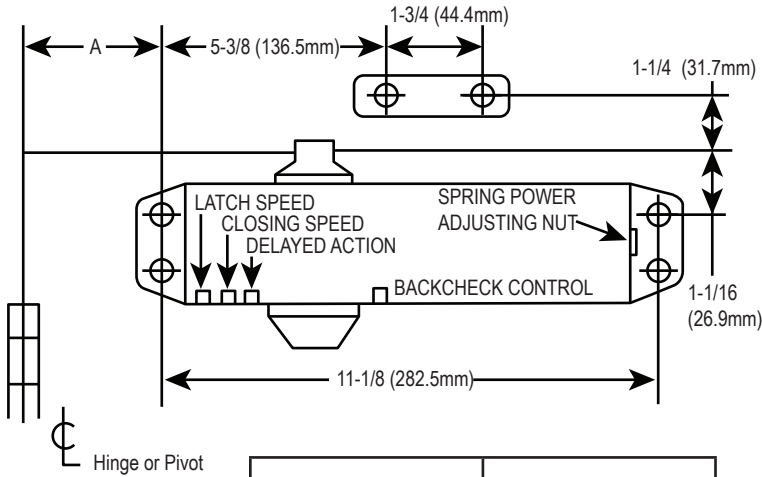


INSTALLATION INSTRUCTIONS

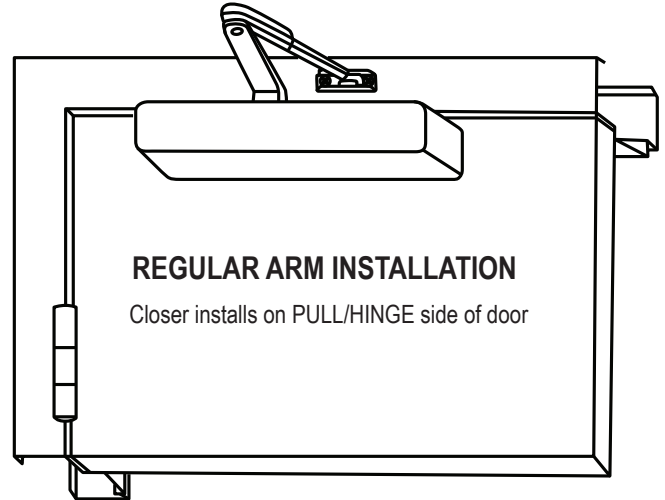
Surface Mounted 9000 Series

Adjustable & Preset "Back-Check"
No Hold-Open/Hold-Open

REGULAR ARM (PULL SIDE) MOUNTING



OPENING	DIMENSION A
To 120°	7-3/32 (180mm)
120° - 180°	3-15/16 (100mm)

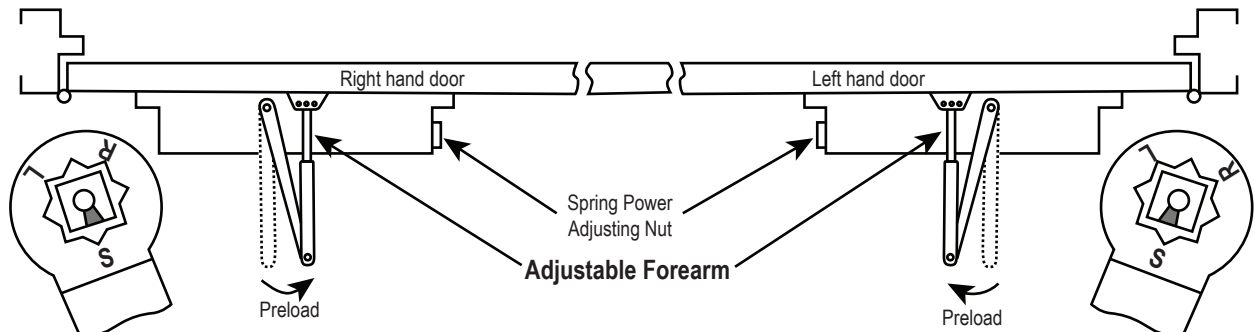


- Right hand door shown
- Left hand door opposite
- Dimensions are in inches
- Drawing not to scale

INSTALLATION INSTRUCTIONS

1. Select degree of opening from table and use template dimensions shown in above, mark four(4) holes on door for door closer and two (2) holes on frame for arm shoe.
2. Drill pilot holes in door and frame for # 14 all-purpose screws or drill and tap for 1/4-20 machine screws.
3. Install adjustable forearm/arm shoe assembly to frame using screws provided.
4. Install main arm to top pinion shaft using screw provided.
5. Mount closer on door using screws provided. **SPRING POWER ADJUSTING NUT MUST BE POSITIONED AWAY FROM HINGE EDGE.**
6. Adjust length of adjustable forearm so that adjustable forearm is perpendicular to frame when assembled to preloaded main arm (Illustration below) Secure forearm to main arm with screw provided.
7. Snap pinion cap over shaft at bottom of closer. (When using full cover. Pinion cap is not necessary)
8. Adjust closing speed, back check control and spring power of door, following instructions as shown page 4.

TOP VIEW TYPICAL INSTALLATION



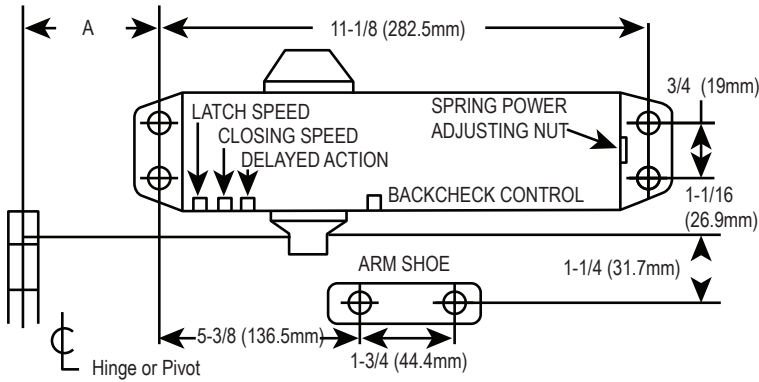


INSTALLATION INSTRUCTIONS

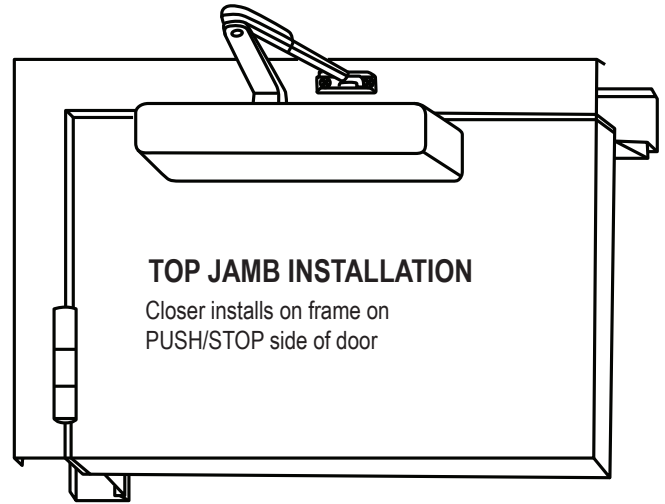
Surface Mounted 9000 Series

Adjustable & Preset "Back-Check"
No Hold-Open/Hold-Open

TOP JAM (PUSH SIDE) MOUNTING



OPENING	DIMENSION A
To 120°	7-3/32 (180mm)
120° - 180°	3-15/16 (100mm)

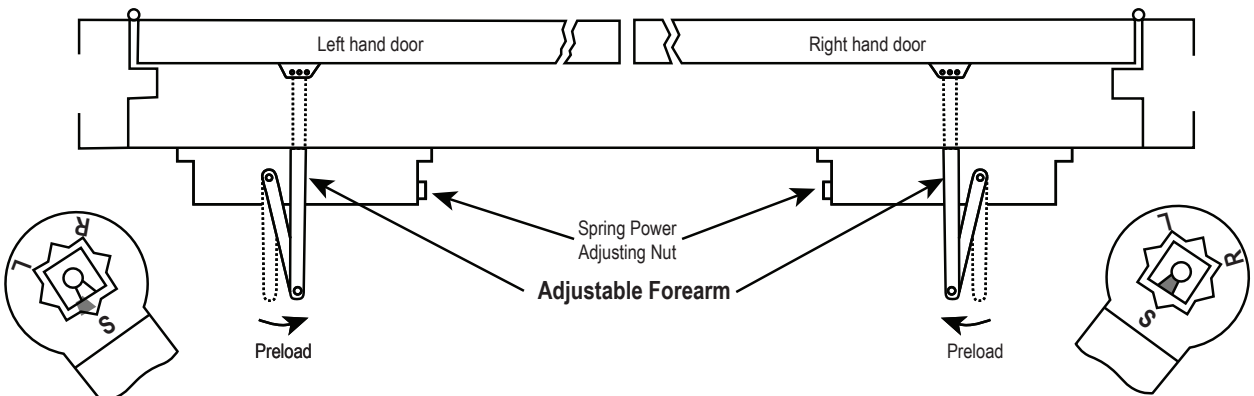


- Left hand door shown
- Right hand door opposite
- Dimensions are in inches
- Drawing not to scale

INSTALLATION INSTRUCTIONS

1. Select degree of opening from table and use template dimensions shown in above, mark FOUR(4) HOLES ON FRAME for closer and TWO(2) HOLES ON DOOR for arm shoe.
2. Drill pilot holes in door and frame for #14 all-purpose screws or drill and tap for 1/4-20 machine screws.
3. Install adjustable forearm shoe assembly to door using screws provided
4. Install main arm to top pinion shaft using screw provided.
5. Mount closer body on frame using screw provided. **SPRING POWER ADJUSTING NUT MUST BE POSITIONED AWAY FROM HINGE EDGE.**
6. Adjust length of adjustable forearm so that adjustable forearm is perpendicular to door when assembled to preloaded main arm (illustration below). Secure forearm to main arm with screw provided.
7. Snap pinion cap over shaft on top of closer. (When using full cover, pinion cap is not necessary)
8. Adjust closing speed, back check control and spring power of door, following instructions as shown page 4.

TOP VIEW TYPICAL INSTALLATION



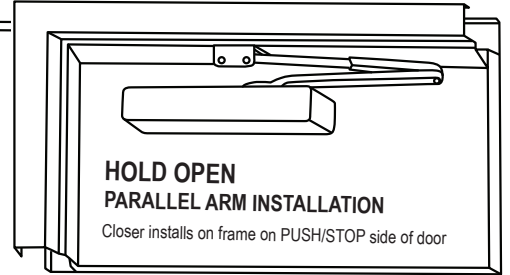
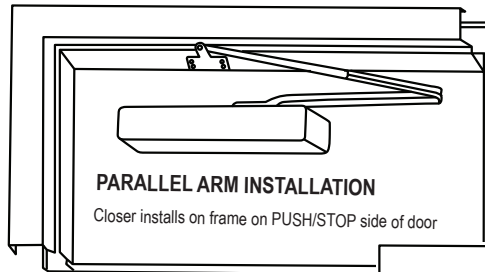
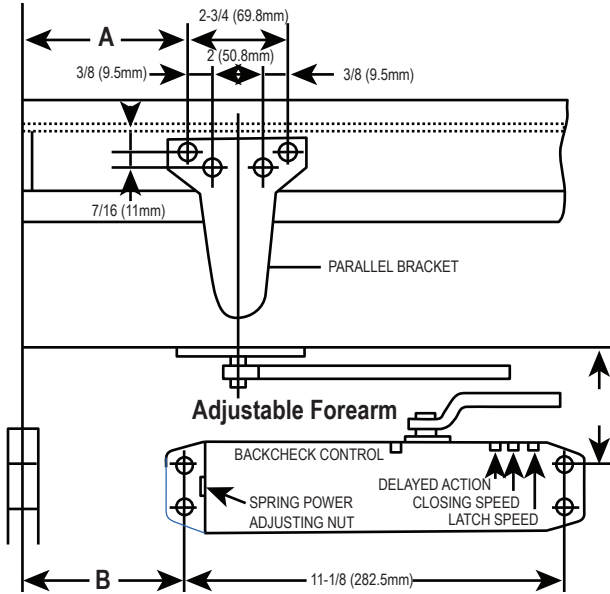


INSTALLATION INSTRUCTIONS

Surface Mounted 9000 Series

Adjustable & Preset "Back-Check"
No Hold-Open/Hold-Open

REGULAR ARM (PULL SIDE) MOUNTING



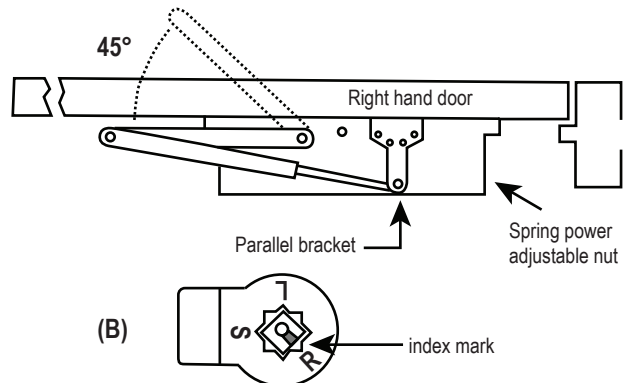
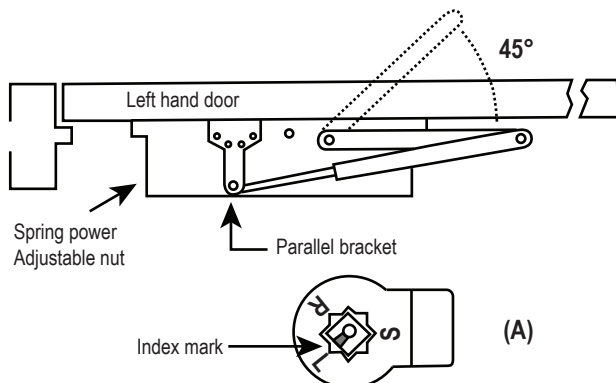
- Left hand door shown
- Right hand door opposite
- Dimensions are in inches
- Drawing not to scale

OPENING	DIMENSION A	DIMENSION B
To 120°	9-1/8 (241mm)	6-1/8(156mm)
120° - 180°	5-7/8 (149.2mm)	2-9/16(65mm)

INSTALLATION INSTRUCTIONS

1. Select degree of opening from table and use template dimensions shown in above, mark four (4) holes on door for door closer and four (4) holes underside of frame for bracket.
2. Drill pilot holes in door and frame for #14 all-purpose screws or drill and tap for 1/4-20 machine screws.
3. Mount closer on door using screws provided. **SPRING POWER ADJUSTING NUT MUST BE POSITIONED TOWARD HINGE EDGE.**
4. Install Parallel Arm Bracket to frame using screws provided.
5. Using a wrench on the square shaft at bottom of closer, rotate shaft approximately 45° toward hinge edge of door. Hold and place main arm of shaft on top of closer at proper index mark as illustrated. **FOR LEFT HAND DOOR "L"** (illustration "A"). **FOR RIGHT HAND DOOR "R"** (illustration "B"). Tighten arm screw with lock-washer securely.
6. Remove arm shoe from the forearm and discard (arm shoe is not used for parallel installation) and tighten screw securely.
7. Adjust length of adjustable forearm so that adjustable forearm is parallel to frame.
8. Snap pinion cap over shaft at bottom of closer (When using full cover, pinion cap is not necessary)
9. Adjust closing speed, back check control and spring power of door, following instructions as shown page 4.

TOP VIEW TYPICAL INSTALLATION



International Door Closers, Inc.

COPYRIGHT 2023 INTERNATIONAL DOOR CLOSERS, INC

West: 800-544-4422 • East: 800-225-6737

www.intldoorclosers.com



INSTALLATION INSTRUCTIONS

Surface Mounted 9000 Series

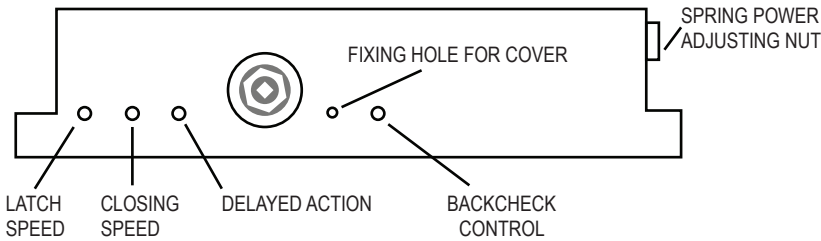
Adjustable & Preset "Back-Check"
No Hold-Open/Hold-Open

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

CLOSER ADJUSTMENT

1. "CLOSING" speed adjustment is accomplished by full rotations of the speed adjusting valve.
2. Turn the speed adjusting valve **CLOCKWISE** for a **SLOWER CLOSE** arc closing speed.
3. Turn the speed adjusting valve **COUNTER-CLOCKWISE** for a **FASTER CLOSE** arc closing speed.
4. "LATCH" speed adjustment is accomplished by full rotations of the speed adjusting valve.
5. Turn the speed adjusting screw **CLOCKWISE** for a **SLOWER** Latch arc closing speed.
6. Turn the speed adjusting screw **COUNTER-CLOCKWISE** for a **FASTER** Latch arc closing speed.

CAUTION!! 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.



BACK CHECK CONTROL

- To increase back check intensity, turn back check control valve clockwise.
- To decrease back check intensity, turn back check control valve anticlockwise.

SPRING POWER CONTROL

- To increase opening force and closing force, turn the spring adjusting nut clockwise.
- To decrease opening force and closing force, turn the spring adjusting nut anticlockwise.

HOW TO ADJUST SPRING POWER

BE NOTED THAT 9000 SERIES ARE SET DOWN AS DOOR CLOSER SIZE 3 FROM THE FACTORY
EX: SIZE 2 CLOSER CAN BE MADE BY ROTATING SPRING ADJUSTING NUT ANTI-CLOCKWISE 3 TURNS
BECAUSE IT WAS SET DOWN AS SIZE 3 FROM THE FACTORY ORIGINALLY ALSO IN A SAME WAY,
SIZE 6 CLOSER CAN BE MADE BY ROTATING SPRING ADJUSTING NUT CLOCKWISE 9 TURNS.

BC/DA (SIZE: 1-6)		APPLICABLE DOOR SIZE		APPLICABLE DOOR WEIGHT
POWER	TURNS	INTERIOR	EXTERIOR (SWING OUT)	
1	-4	32"(0.81m)	28"(0.71m)	33-66 lbs (15-30 kg)
2	*-2	36"(0.91m)	32"(0.81m)	66-99 lbs (30-45 kg)
3	0 (FACTORY SET)	42"(1.07m)	36"(0.91m)	99-143 lbs (45-65 kg)
4	2	48"(1.22m)	42"(1.07m)	143-187 lbs (65-85 kg)
5	5	54"(1.37m)	48"(1.22m)	187-264 lbs (85-120 kg)
6	7	58"(1.47m)	54"(1.37m)	264-330 lbs (120-150 kg)

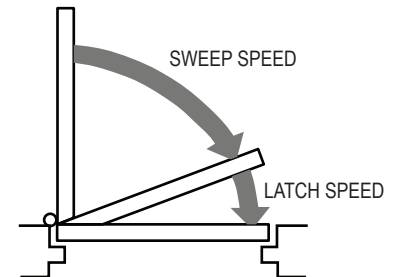
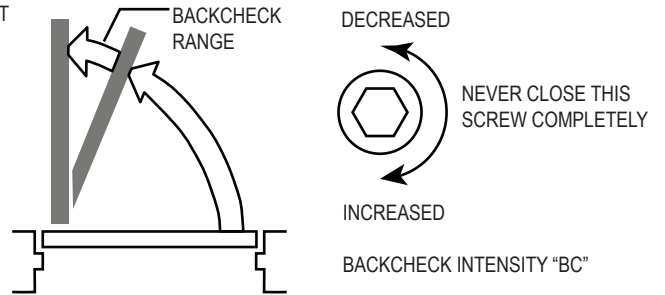
International Door Closers, Inc.

COPYRIGHT 2023 INTERNATIONAL DOOR CLOSERS, INC

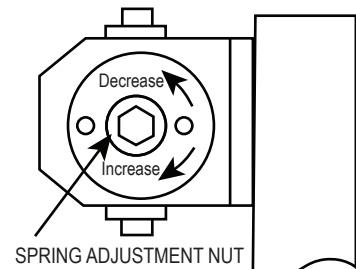
West: 800-544-4422 • East: 800-225-6737

www.intldoorclosers.com

OPENING CYCLE



ADJUSTABLE SPRING MODELS



NOTE: MAXIMUM ADJUSTMENT IS APPROXIMATELY 10 TURNS. DO NOT FORCIBLY EXTEND ADJUSTMENT BEYOND LIMITS.