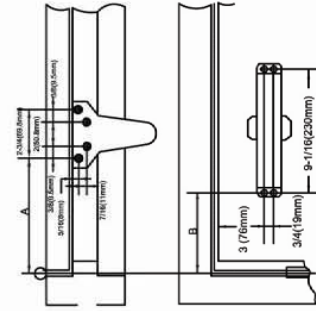
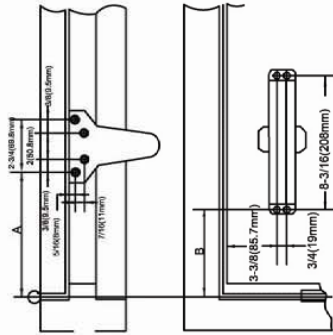


Installation Instructions for PARALLEL ARM (PUSH SIDE) Mounting



Size 2, Size 3

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

INSTALLATION INSTRUCTIONS

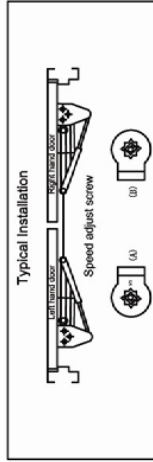
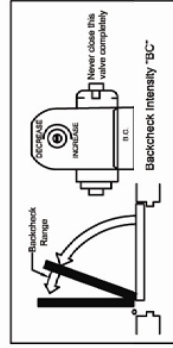
- Select door opening and use dimensions shown above, mark four (4) holes on frame door and two (2) holes on door of arm above.
- Drill pilot holes in door and frame for # 14 all-purpose screws or drill or tap for 1/4-20 machine screw.
- Mount main arm to door assembly by door using screws provided.
- Mount closer on frame assembly by door using screws provided.
- VALVE MUST BE POSITIONED TOWARD HINGE EDGE
- 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.
- 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.
- Adjust closing speed of door, following instructions as shown page 1.

Size: 4&5

OPENING	DIM A	DIM B	DIM A	DIM B
To 150°	15-3/4(27.5mm)	7-3/16(116.4mm)	7-3/4(197mm)	8-1/8(106mm)
150°-180°	16-3/4(22.2mm)	8-3/8(142.8mm)	8-3/4(166mm)	8-1/8(106mm)

OPEN CYCLE

These instructions apply to doors equipped with backcheck.
To increase backcheck intensity, turn valve marked "BC" clockwise.
To decrease backcheck intensity, turn valve marked "BC" counter-clockwise.



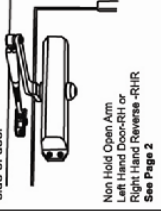
International® door closers

1800 SERIES DOOR CLOSERS INSTALLATION INSTRUCTIONS

SIZE 2, SIZE 3, SIZE 4, SIZE 5, Optional BC, Non-Hold Open

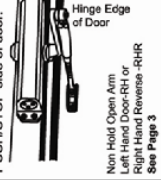
Regular Arm Installation

Closer installs on PULL/HINGE side of door



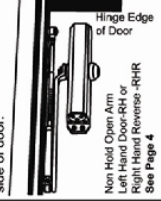
Top Jamb Installation

Closer installs on Frame on PUSH/STOP side of door.



Parallel Arm Installation

Closer installs on PUSH/STOP side of door.



DOOR CLOSER ADJUSTMENT

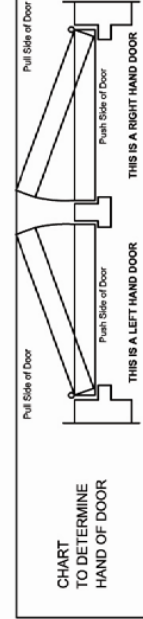
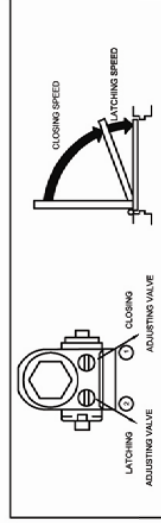
CLOSING CYCLE

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

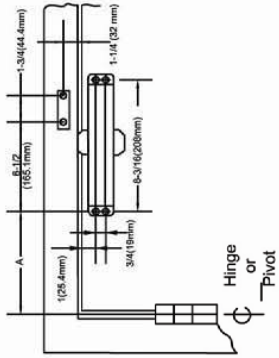
- CLOSING speed adjustment is accomplished by full rotations of the speed adjusting valve.
 - Turn the speed adjustment valve COUNTERCLOCKWISE for a SLOWER CLOSE arc closing speed.
 - Turn the speed adjustment valve CLOCKWISE for a FASTER CLOSER arc closing speed.
- LATCH speed adjustments is accomplished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



Size 2, Size 3

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

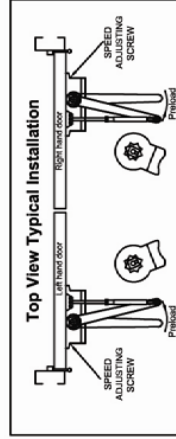
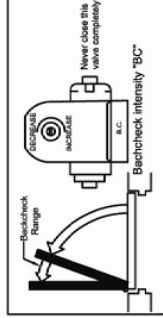
OPENING	DIM A Size 2&3	DIM A Size 4&5
To 120°	6-1/2(165.1mm)	6(152mm)
120°-180°	4(101.6mm)	3-1/2(89mm)

INSTALLATION INSTRUCTIONS

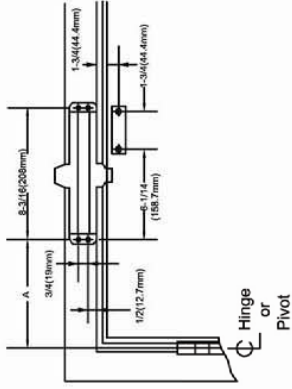
1. Select door opening and use dimensions shown above, mark four (4) holes on frame door and two (2) holes on door of arm shoe.
2. Drill pilot holes in door and frame for # 14 all-purpose screws or drill or tap for 1/4-20 machine screw.
3. Mount clevis on frame using screw provided. **SPEED ADJUSTING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

OPEN CYCLE

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



Installation Instructions for TOP JAMB (PUSH SIDE) Mounting



Size 2, Size 3

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

OPENING	DIM A Size 2&3	DIM A Size 4&5
To 120°	6-1/2(165.1mm)	6(152mm)
120°-180°	4(101.6mm)	3-1/2(89mm)

OPEN CYCLE

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

