

■ TOP JAMB INSTALLATION: PUSH SIDE MOUNT

- LEFT HAND DOOR ILLUSTRATED SAME DIMENSIONS APPLY TO RIGHT HAND DOOR
- DIMENSIONS ARE IN $\frac{\text{inches}}{\text{(mm)}}$ MEASURED FROM HINGE ϕ
- DO NOT SCALE DRAWING

INSTALLATION INSTRUCTIONS

- 1.SELECT DEGREE OF DOOR. USE DIMENSIONS SHOWN IN CHART AND ILLUSTRATION ABOVE TO MARK LOCATION OF ATTACHING SCREWS ON DOOR AND FRAME PREPARE HOLES
- 2.ASSEMBLE MAIN ARM TO CLOSER.
- 3.ATTACH CLOSER TO FRAME WITH SPEED REGULATING VALVES TOWARD HINGE.
- 4.ATTACH THE FOOT OF THE FOREARM TO DOOR.
- 5.ADJUST LENGTH OF FOREARM TO POSITION FOREARM AT RIGHT ANGLE TO FRAME CONNECTED TO MAIN ARM AT ELBOW PIN OF THE MAIN ARM.
- 6.SNAP PINION CAP OVER SPINDLE AT BOTTOM OF CLOSER
- 7.ADJUST DOOR CLOSER

Technical drawing showing dimensions for the top jamb installation. Dimensions include: 6-1/2 (166) for the main body length, 3/4 (19) for the valve offset, 1-3/4 (44) for the foot offset, 4 (102) for the main arm offset, and 1-9/16 (40) for the pinion cap offset. A table below provides model-specific dimensions.

| MODELS | DIMENSIONS "A" | | OPENNING |
|--------|----------------|-----|-----------|
| | inches | mm | |
| 303 | 6-5/16 | 160 | TO 100' |
| | 4-1/4 | 108 | OVER 100' |

■ PALALLEL ARM INSTALLATION : PUSH SIDE MOUNT

- RIGHT HAND DOOR ILLUSTRATED SAME DIMENSIONS APPLY TO LEFT HAND DOOR
- MEASURED FROM HINGE ϕ DIMENSIONS ARE IN $\frac{\text{inches}}{\text{(mm)}}$
- DO NOT SCALE DRAWING

INSTALLATION INSTRUCTIONS

- 1.SELECT DEGREE OF DOOR. USE DIMENSIONS SHOWN IN CHART AND ILLUSTRATION ABOVE TO MARK LOCATION OF ATTACHING SCREWS ON DOOR AND FRAME PREPARE HOLES
- 2.ATTACH CLOSER TO DOOR WITH SPEED REGULATING VALVES BACK TO HINGE.
- 3.ATTACH MAIN ARM AS FOLLOW:
 (A) PLACE OPEN END WRENCH ON BOTTOM SHAFT & TURN TOWARD HINGE ABOUT 37°.
 (B) PLACE MAIN ARM ON TOP SHAFT, INSERT ARM SCREW INTO TOP OF SHAFT AND TIGHTEN.
4. ATTACH PA PLATE TO TOP FRAME AS SHOWN.
5. ATTACH FOOT OF FOREARM TO PA PLATE.
6. ADJUST LINGTH OF FOREARM TO POSITION FORE-ARM AT PALALLEL TO FRAME, THEN CONNECTED TO MAIN ARM AT ELBOW PIN OF THE MAIN ARM.
7. SNAP PINION CAP OVER SPINDLE AT BOTTOM.
8. ADJUST DOOR CLOSER.

Technical drawing showing dimensions for the parallel arm installation. Dimensions include: 6-1/2 (166) for the main body length, 2-1/2 (64) for the valve offset, 3/4 (19) for the valve offset, 1-3/4 (44.5) for the main arm offset, 7/16 (11) for the foot offset, and 3/8 (10) for the pinion cap offset. A table below provides model-specific dimensions.

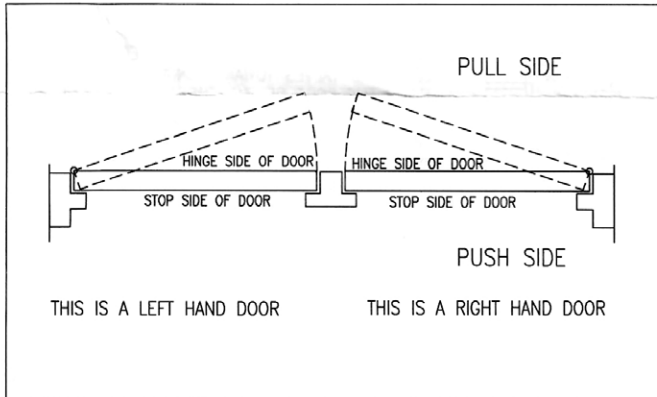
| MODELS | DIMENSIONS "A" | | DIMENSIONS "B" | | OPENNING |
|--------|----------------|-----|----------------|-----|-----------|
| | inches | mm | inches | mm | |
| 303 | 8-3/16 | 208 | 6-5/8 | 168 | TO 110' |
| | 6-1/8 | 156 | 4-9/16 | 116 | OVER 110' |

APPLICABLE DOOR: WEIGHT 40-65 Kg

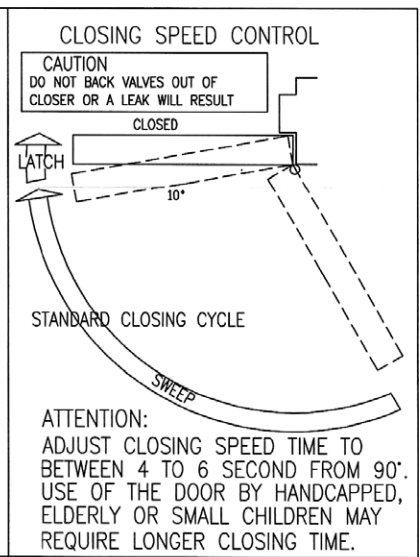
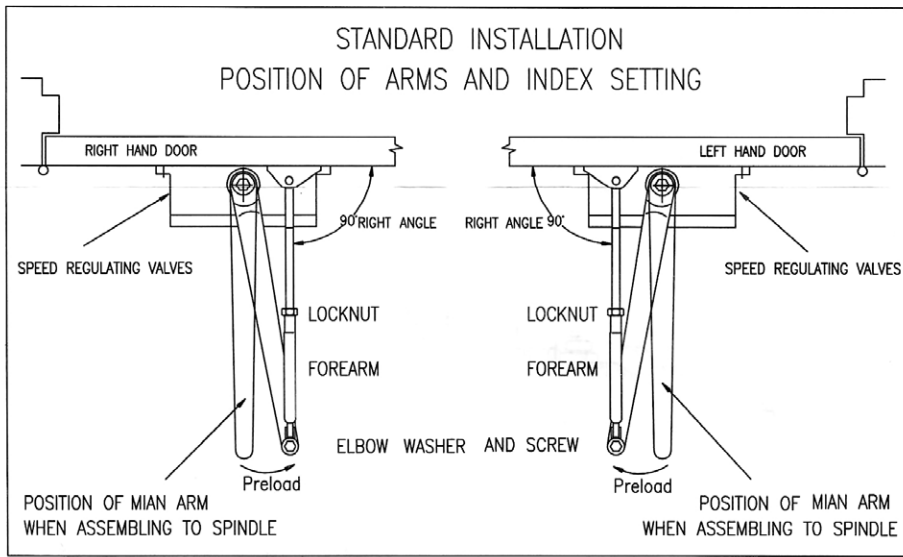
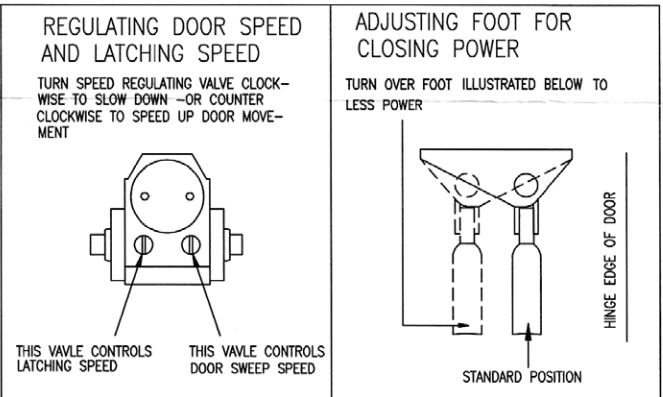
Not to Scale

The use of non-clutching impact drivers to install this hardware will automatically void the warranty.

■ CHART TO DETERMINE HAND OF DOOR



■ FINAL ADJUSTMENT AND REGULATING PROCEDURES



■ STANDARD INSTALLATION : PULL SIDE MOUNT

- RIGHT HAND DOOR ILLUSTRATED SAME DIMENSIONS APPLY TO LEFT HAND DOOR
- MEASURED FROM HINGE CENTER DIMENSIONS ARE IN $\frac{\text{inches}}{\text{mm}}$
- DO NOT SCALE DRAWING

SCREW AND WASHER FOOT
 FRAME
 DOOR
 PINION CAP

INSTALLATION INSTRUCTIONS

1. SELECT DEGREE OF DOOR. USE DIMENSIONS SHOWN IN CHART AND ILLUSTRATION ABOVE TO MARK LOCATION OF ATTACHING SCREWS ON DOOR AND FRAME PREPARE HOLES
2. ASSEMBLE MAIN ARM TO CLOSER.
3. ATTACH CLOSER TO DOOR WITH SPEED REGULATING VALVES TOWARD HINGE.
4. ATTACH THE FOOT OF THE FOREARM TO FRAME.
5. ADJUST LENGTH OF FOREARM TO POSITION FOREARM AT RIGHT ANGLE TO FRAME CONNECTED TO MAIN ARM AT ELBOW PIN OF THE MAIN ARM.
6. SNAP PINION CAP OVER SPINDLE AT BOTTOM OF CLOSER
7. ADJUST DOOR CLOSER

| MODELS | DIMENSIONS "A" | | OPENING |
|--------|----------------|-----|----------|
| | inches | mm | |
| 303 | 6-5/16 | 160 | T0100° |
| | 4-1/4 | 108 | OVER100° |

Not to Scale

The use of non-clutching impact drivers to install this hardware will automatically void the warranty.