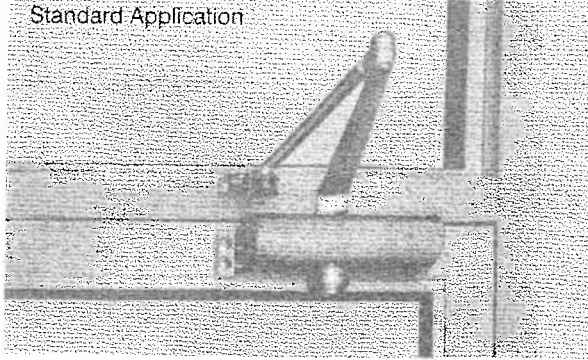


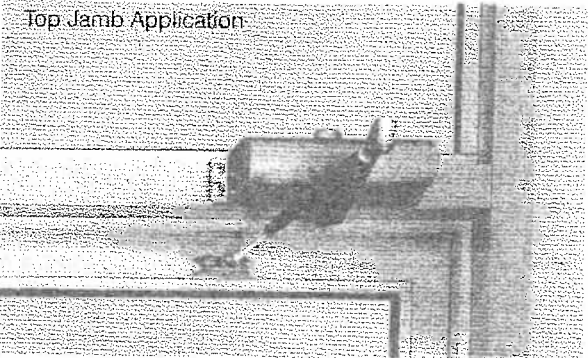
SIZES 2, 3, 4 & 5
Hold-Open & Fusible Link
SURFACE MOUNTED
INSTALLATION INSTRUCTIONS
(inch and metric)

Standard Application



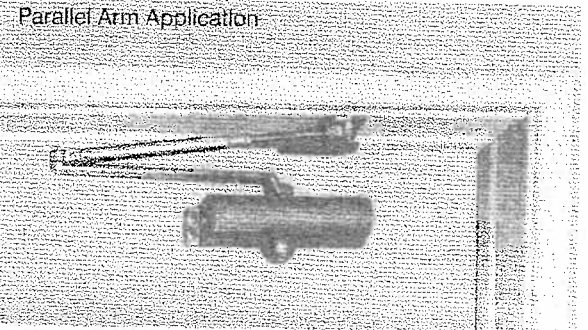
PAGE 2
STANDARD INSTALLATION
 CLOSER MOUNTED ON DOOR
 ON PULL SIDE

Top Jamb Application



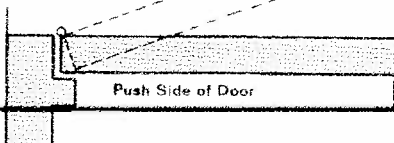
PAGE 3
TOP JAMB INSTALLATION
 CLOSER MOUNTED ON TOP JAMB
 ON PUSH SIDE OF DOOR

Parallel Arm Application



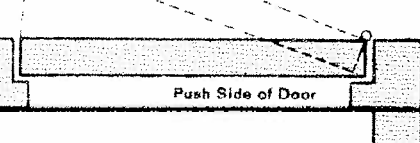
PAGE 4
PARALLEL ARM INSTALLATION
 CLOSER MOUNTED OF DOOR
 ON PUSH SIDE

Pull Side of Door



THIS IS A LEFT HAND DOOR

Pull Side of Door

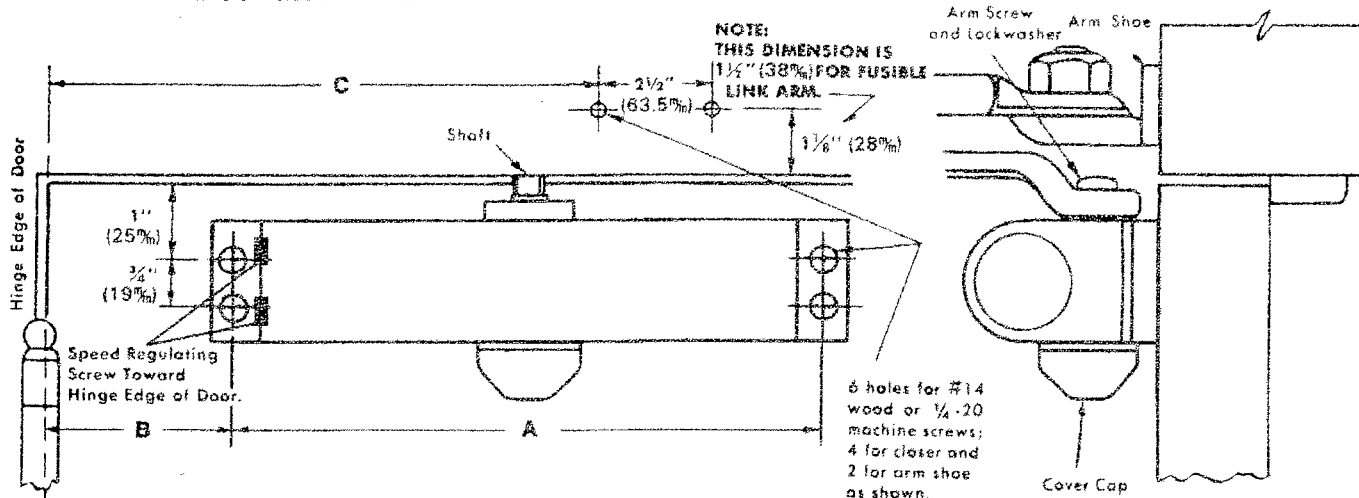


THIS IS A RIGHT HAND DOOR

CHART
 TO DETERMINE
 HAND OF DOOR

STANDARD INSTALLATION CLOSER MOUNTED ON DOOR ON PULL SIDE

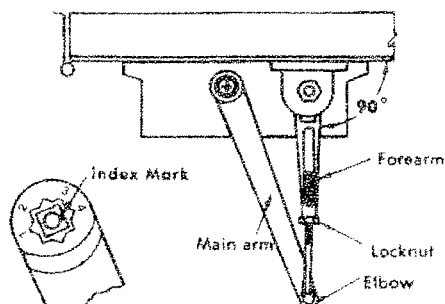
THIS TEMPLATE COVERS HOLD-OPEN ARM INSTALLATIONS FROM 85° TO 180° OPENINGS.



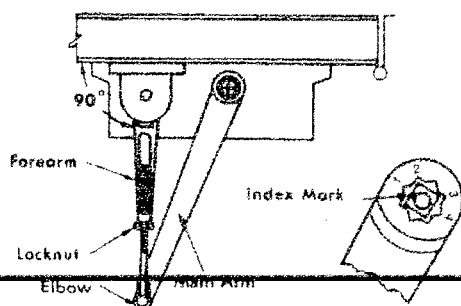
RIGHT HAND DOOR ILLUSTRATED
Same dimensions apply for Left Hand
Door measured from the hinge edge.

Closer Size	FOR OPENING TO 120°			FOR OPENING 120°-180°	
	A	B	C	B	C
2	7 7/8" 187mm	6 5/8" 160mm	11 5/8" 295mm	4 3/8" 106mm	8 7/8" 225mm
3	8 3/4" 208mm	5 3/4" 151mm	11 5/8" 295mm	3 3/4" 81mm	8 7/8" 225mm
4&5	9 1/4" 230mm	5 1/2" 140mm	11 5/8" 295mm	3 3/8" 86mm	8 7/8" 225mm

POSITION OF ARMS AND INDEX SETTINGS



Right hand door, use index mark 4
ILLUSTRATION "A"



Left hand door, use index mark 1
ILLUSTRATION "B"

INSTALLATION INSTRUCTIONS

1. Select degree of opening and use dimensions shown in above template to mark four holes on door for closer and two holes on frame for hold-open arm shoe.
2. Drill pilot holes in door and frame for #14 wood screws or drill and tap for 1/4-20 machine screws.
3. Mount closer on door WITH SPEED REGULATING SCREW TOWARD HINGE EDGE.
4. Place main arm on shaft on top of closer at proper index mark as illustrated. FOR RIGHT HAND DOOR No. 4 (illustration "A"). FOR LEFT HAND DOOR No. 1 (illustration "B"). Tighten arm screw with lockwasher securely.
5. Attach hold-open arm shoe of the forearm to frame. RIGHT HAND DOOR, HOLDING ADJUSTMENT NUT MUST BE UP (illustration "A"). LEFT HAND DOOR, HOLDING ADJUSTMENT NUT MUST BE DOWN (illustration "B").

NOTE: - FUSIBLE LINK ARMS ARE HANDED AND MUST ALWAYS BE INSTALLED WITH ADJUSTING NUT DOWN.

6. Loosen hold-open adjustment nut then adjust length of forearm so when it is attached to main arm it will be at a right angle (90°) to door when door is closed and assemble at elbow then tighten locknut.
7. Snap cover cap over shaft at bottom of closer.

ADJUSTMENT INSTRUCTIONS

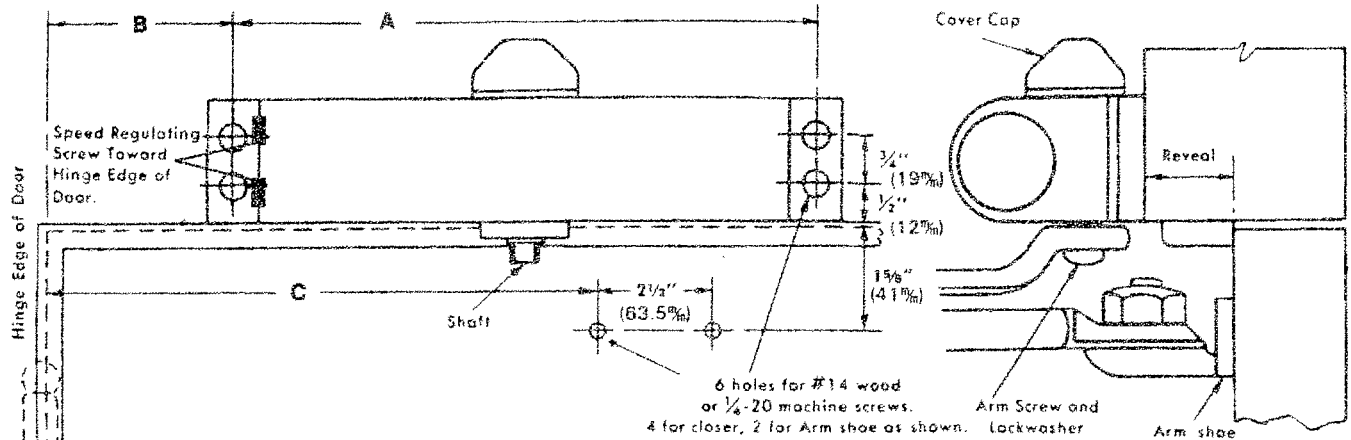
HOLD-OPEN — Open door to desired degree and tighten holding adjustment nut until door holds open.

SPEED — Door closing and latching speeds are controlled by the Speed Regulating Screw. Clockwise turns slow the sweep closing speed. A partial turn, very slightly in either direction, regulates fast or slow Latching action.

TOP JAMB INSTALLATION CLOSER MOUNTED ON TOP JAMB ON PUSH SIDE OF DOOR

THIS TEMPLATE COVERS HOLD-OPEN ARM INSTALLATIONS TO 180° OPENINGS.

Reveals of $2\frac{3}{4}$ " (70mm) to 6" (152mm) require Long Top Jamb Forearms.



Closer Size	FOR OPENING TO 120°			FOR OPENING 120°-180°		
	A	B	C	B	C	
2	7 3/8" 187mm	6 3/8" 160mm	11 1/4" 286mm	3 3/8" 84mm	7 1/2" 191mm	
3	8 3/8" 208mm	5 3/8" 151mm	11 1/4" 286mm	2 3/4" 75mm	7 1/2" 191mm	
4&5	9 1/8" 230mm	5 1/2" 140mm	11 1/4" 286mm	2 1/2" 64mm	7 1/2" 191mm	

LEFT HAND DOOR ILLUSTRATED
Same dimensions apply for Right Hand Door measured from the hinge edge.

INSTALLATION INSTRUCTIONS

1. Select degree of opening and use dimensions shown in above template to mark four holes on frame for closer and two holes on door for hold-open arm shoe.
2. Drill pilot holes in door and frame for #14 wood screws or drill and tap for 1/4-20 machine screws.
3. Mount closer on frame WITH SPEED REGULATING SCREW TOWARD HINGE EDGE.
4. Place main arm on shaft on bottom of closer at proper index mark as illustrated. FOR LEFT HAND DOOR No. 1 (illustration "A"). FOR RIGHT HAND DOOR No. 4 (illustration "B"). Tighten arm screw with lockwasher securely.

5. Attach hold-open arm shoe of the forearm to door. LEFT HAND DOOR, HOLDING ADJUSTMENT NUT MUST BE UP (illustration "A"). RIGHT HAND DOOR, HOLDING ADJUSTMENT NUT MUST BE DOWN (illustration "B").

NOTE: - FUSIBLE LINK ARMS ARE *HANDED AND MUST ALWAYS BE INSTALLED WITH ADJUSTING NUT DOWN.

*For Top Jamb Installations: Right hand doors require Left hand arms and Left hand doors require Right hand arms.

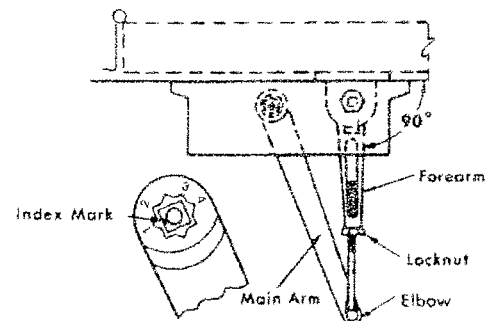
6. Loosen hold-open adjustment nut then adjust length of forearm so when it is attached to main arm it will be at a right angle (90°) to door when door is closed and assemble at elbow then tighten locknut.
7. Snap cover cap over shaft at top of closer.

ADJUSTMENT INSTRUCTIONS

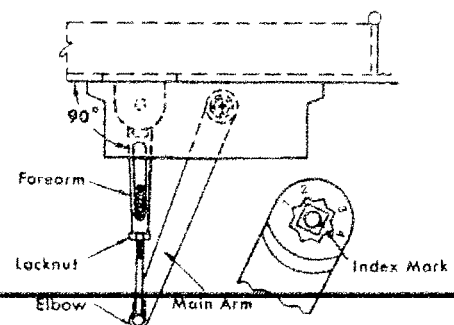
HOLD-OPEN — Open door to desired degree and tighten holding adjustment nut until door holds open.

SPEED — Door closing and latching speeds are controlled by the Speed Regulating Screw. Clockwise turns slow the sweep closing speed. A partial turn, very slightly in either direction, regulates fast or slow Latching action.

POSITION OF ARMS AND INDEX SETTINGS



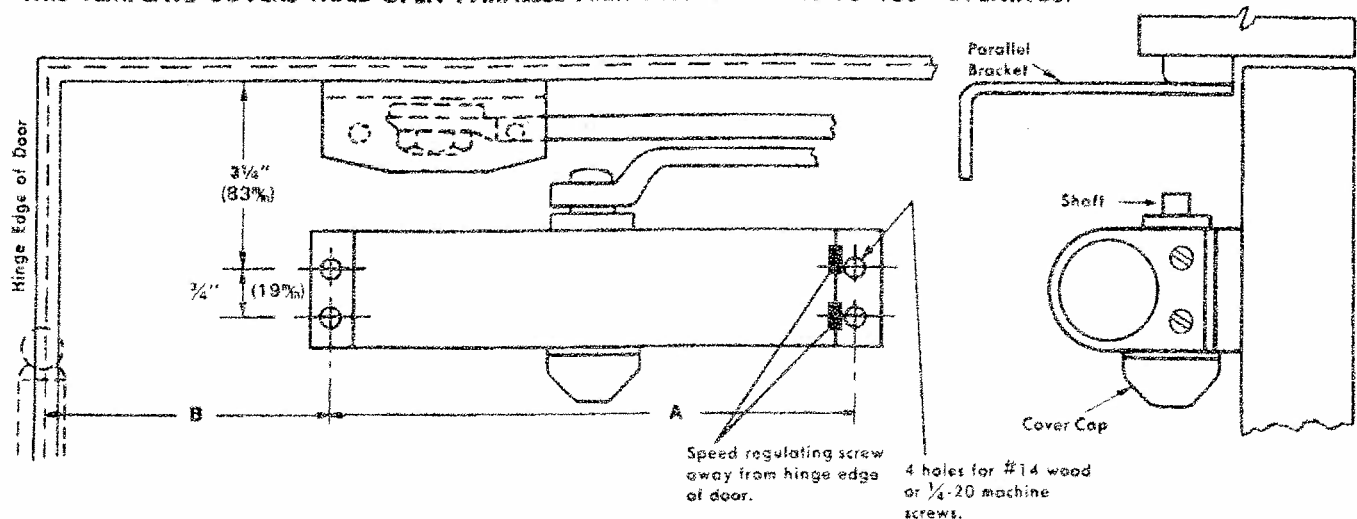
Left hand door, use index mark 1
ILLUSTRATION "A"



Right hand door, use index mark 4
ILLUSTRATION "B"

PARALLEL ARM INSTALLATION **CLOSER MOUNTED ON DOOR ON PUSH SIDE**

THIS TEMPLATE COVERS HOLD-OPEN PARALLEL ARM INSTALLATIONS TO 180° OPENINGS.

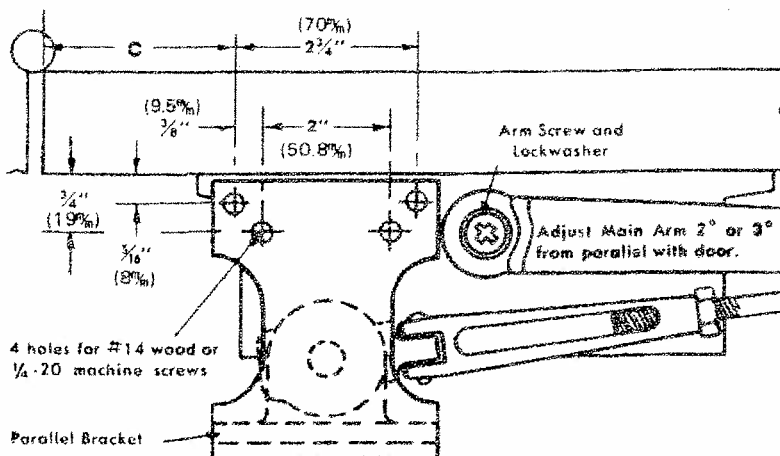


LEFT HAND DOOR ILLUSTRATED Same dimensions apply for Right Hand Door measured from the hinge edge.

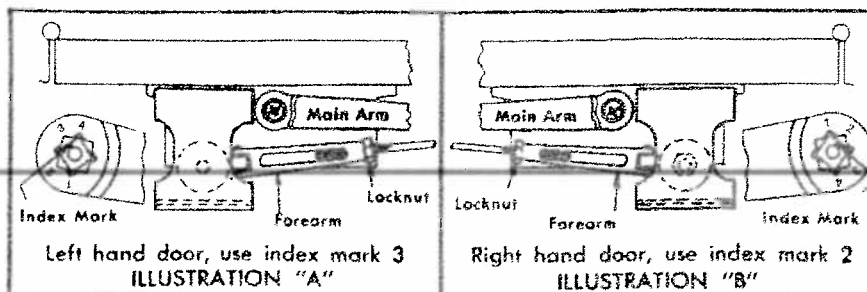
Closer Size	A	FOR OPENING TO 120°		FOR OPENING 120°-180°	
		B	C	B	C
2	7 3/8" 187%	7 7/8" 202%	8 1/4" 235%	6 1/2" 170%	7 1/8" 200%
3	8 3/4" 208%	7 7/8" 192%	9 1/4" 235%	6 5/8" 160%	7 1/8" 200%
4&5	9 1/4" 230%	7 7/8" 181%	8 1/4" 235%	5 7/8" 149%	7 1/8" 200%

INSTALLATION INSTRUCTIONS

1. Select degree of opening and use dimensions shown in above template to mark four holes on door for closer and four holes on frame for hold-open parallel bracket.
 2. Drill pilot holes in door and frame for #14 wood screws or drill and tap for 1/4-20 machine screws.
 3. Mount closer on door WITH SPEED REGULATING SCREW AWAY FROM HINGE EDGE.
 4. Attach parallel bracket to door stop as illustrated.
 5. Using a wrench on the square shaft on bottom of closer, rotate shaft approximately 45° toward hinge edge of door. Hold and place main arm on shaft on top of closer at proper index mark as illustrated. FOR LEFT HAND DOOR No. 3 (illustration "A"). FOR RIGHT HAND DOOR No. 2 (illustration "B"). Tighten arm screw with lockwasher securely.
 6. Attach hold-open arm shoe of the forearm to parallel bracket. LEFT HAND DOOR, HOLDING ADJUSTMENT NUT MUST BE DOWN (illustration "A"). RIGHT HAND DOOR, HOLDING ADJUSTMENT NUT MUST BE UP (illustration "B").
- NOTE: - FUSIBLE LINK ARMS ARE HANDED AND MUST ALWAYS BE INSTALLED WITH HOLDING ADJUSTMENT NUT DOWN.
7. Loosen hold-open adjustment nut and adjust length of forearm so that when it is attached to main arm, the main arm will be slightly away from parallel with the closed door, and assemble at elbow then tighten locknut.
 8. Snap cover cap over shaft at bottom of closer.



POSITION OF ARMS AND INDEX SETTINGS



ADJUSTMENT INSTRUCTIONS

HOLD-OPEN — Open door to desired degree and tighten holding adjustment nut until door holds open.

SPEED — Door closing and latching speeds are controlled by the Speed Regulating Screw. Clockwise turns slow the sweep closing speed. A partial turn, very slightly in either direction, regulates fast or slow Latching action.