



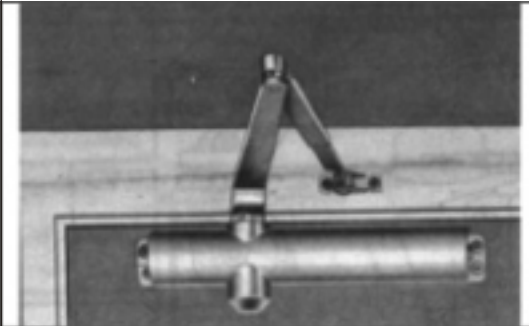
C.R. LAURENCE CO., INC.
Phone Toll Free (800) 421-6144
Fax Toll Free (800) 262-3299
Website Address: www.crlaurence.com

PR50 SERIES DOOR CLOSER SUPER ADJUSTABLE

ADJUSTABLE CLOSING POWER, NO HOLD-OPEN, SURFACE MOUNTED

INSTALLATION INSTRUCTIONS

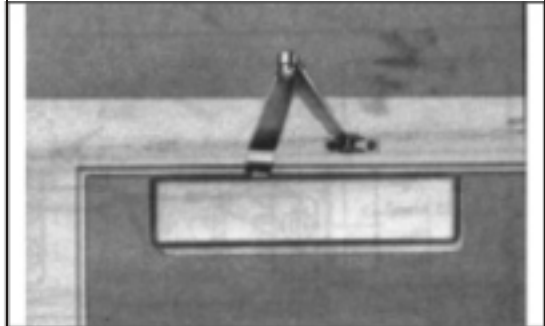
Series 5050



**STANDARD
INSTALLATION**
COLSER MOUNTED ON
DOOR ON PULL SIDE

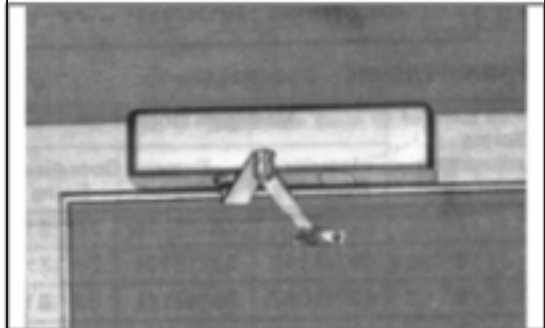
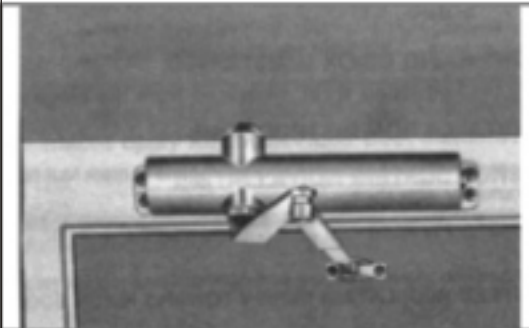
PAGE 2

Series 5000



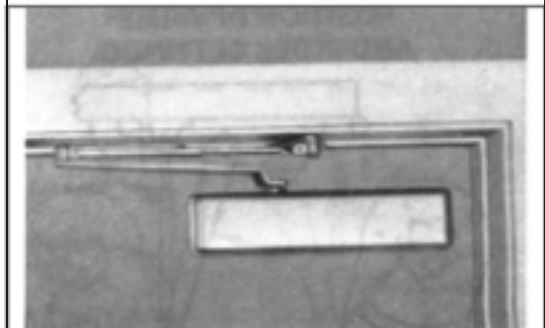
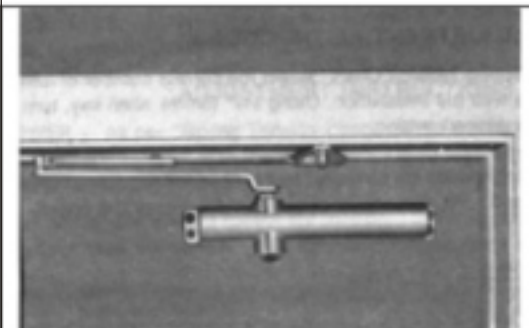
**TOP JAMB
INSTALLATION**
COLSER MOUNTED ON
TOP JAMB ON PUSH
SIDE OF DOOR

PAGE 3

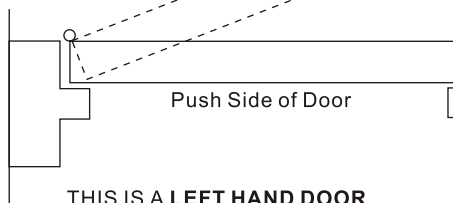


**PARALLEL
INSTALLATION**
COLSER MOUNTED ON
DOOR ON PUSH SIDE

PAGE 4

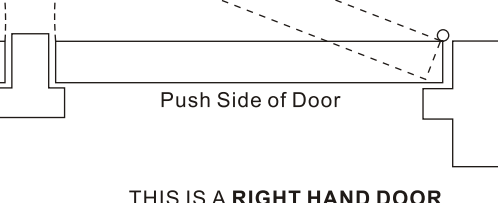


Pull Side of Door



THIS IS A LEFT HAND DOOR

Pull Side of Door



THIS IS A RIGHT HAND DOOR

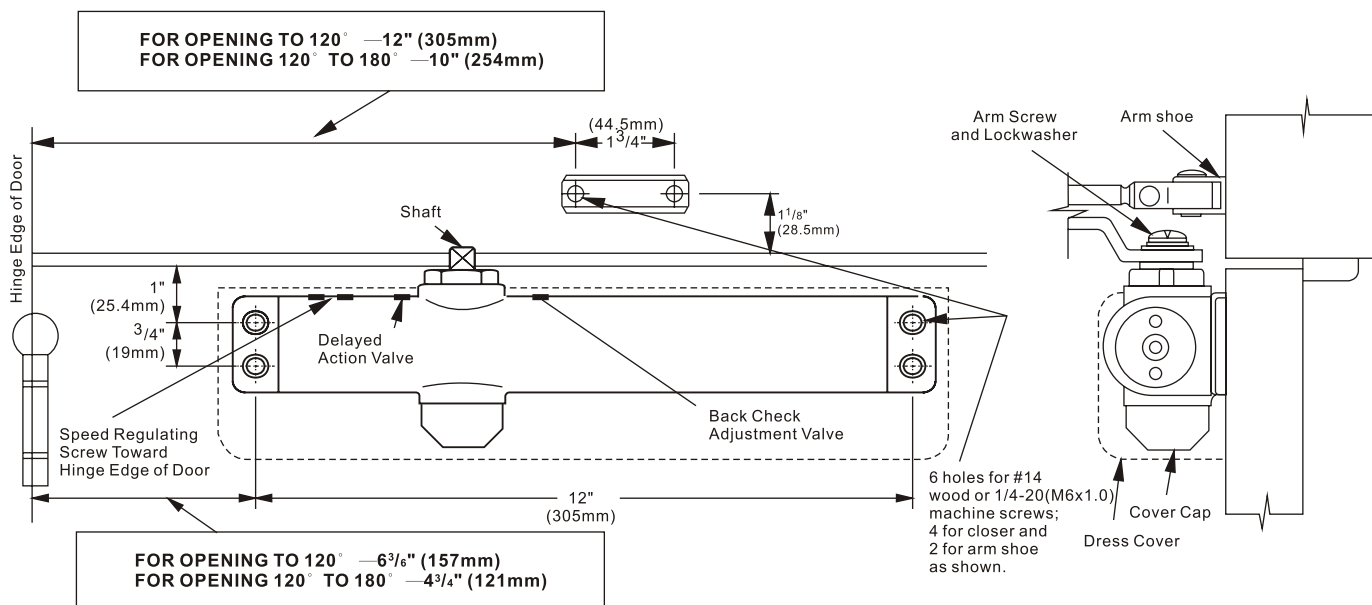
**CHART
TO DETERMINE
HAND OF DOOR**



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STANDARD INSTALLATION CLOSER MOUNTED ON PULL SIDE OF DOOR

THIS TEMPLATE COVERS REGULAR ARM INSTALLATIONS TO 180° OPENINGS.



SPRING TENSION — Door Size Chart

Full turns of Spring adjustment nut	Maximum Door Width		
	Interior Door Size	Exterior Door Size Swing out	Swing in
1	32"(813)	28"(711)	24"(610)
3	36"(914)	32"(813)	28"(711)
5	42"(1067)	36"(914)	32"(813)
7	48"(1219)	42"(1067)	36"(914)
9	54"(1372)	48"(1219)	42"(1067)
11	Maximum Turns		

RIGHT HAND DOOR ILLUSTRATED

Same dimensions apply for Left Hand Door measured from the hinge edge.

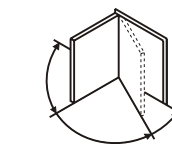
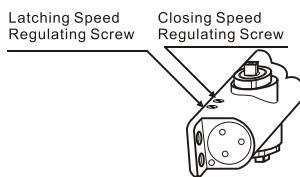
INSTALLATION INSTRUCTIONS

1. Select degree of opening and use dimensions shown in above template to mark four holes on door for closer and two holes on frame for arm shoe.
2. Drill pilot holes in door and frame for #14 wood screws or drill and tape for 1/4-20(M6x1.0) 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 the arm shoe of the forearm to the frame.
6. 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.

ADJUSTMENT INSTRUCTIONS

CLOSING POWER — As per "Spring Tension Chart" select the correct number of turns for spring adjustment nut that corresponds with the installation. Using 3/16" (5mm) allen key, turn adjustment nut full 360° clockwise turns to desired setting.

SPEED — Door closing and latching speeds are controlled by #1, #2 speed regulating screw separately. A. Clockwise turns slow the speed. B. Counterclockwise turns increase the speed.



Closing Speed Latching Speed

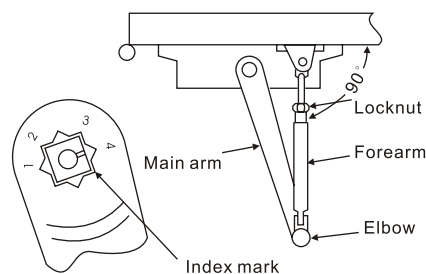
BACK-CHECK ADJUSTMENT — is controlled by the adjustment valve, BACK-CHECK is now set for soft action. To INCREASE Back-check action turn valve CLOCKWISE. To DECREASE, or to TURN OFF Backcheck action turn valve COUNTER CLOCKWISE.

DELAYED CLOSING ACTION — is controlled by the Delayed Closing Action Adjustment Valve marked DA on the closer. Delayed Closing Action is now turned off. To TURN ON, or to INCREASE Delayed Closing Action turn valve CLOCKWISE to desired delay time. To DECREASE, or to TURN OFF Delayed Closing Action turn valve COUNTER LOCKWISE.

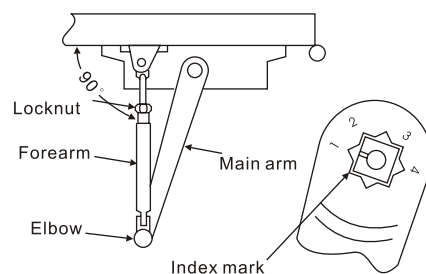
LATCHING POWER — has been set at factory for average conditions. If more latching power is required, move forearm from center hole in arm shoe to hole closest main arm. If less latching power is required, move forearm to hole farthest from main arm.

COVER — Cutout correct notch for shaft and place dress cover over closer. Attach with truss head machine screw provided, or push COVER CAP over shaft without DRESS COVER.

POSITION OF ARMS AND INDEX SETTINGS



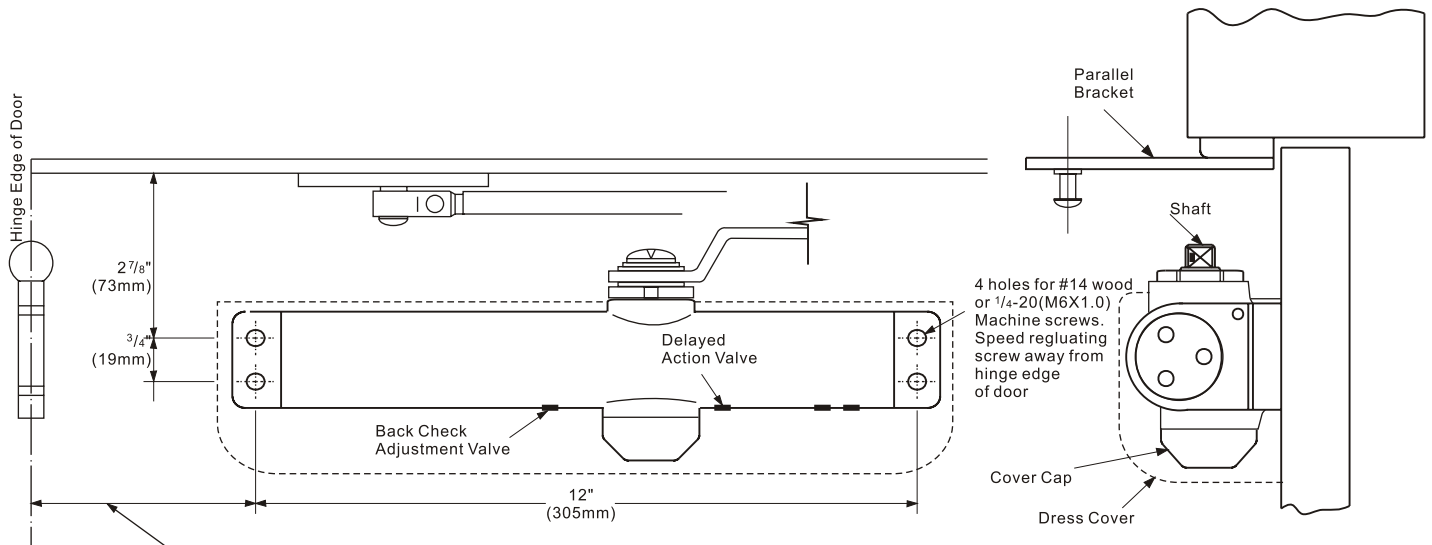
Right hand door. Use index mark 4



Left hand door. Use index mark 1



THIS TEMPLATE COVERS REGULAR PARALLEL ARM INSTALLATIONS TO 180° OPENINGS.



FOR OPENING TO 120° — 4 3/16\" (106mm)
FOR OPENING 120° TO 180° — 2 13/16\" (71mm)

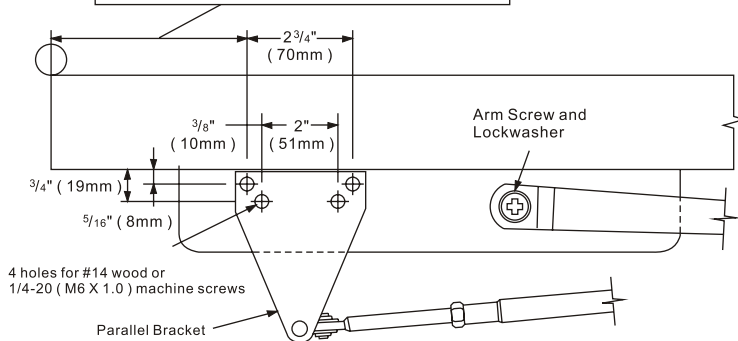
LEFT HAND DOOR ILLUSTRATED

Same dimensions apply for Right Hand Door measured from the hinge edge.

SPRING TENSION — Door Size Chart

Full turns of Spring adjustment nut	Maximum Door Width		
	Interior Door Size	Exterior Door Size Swing out Swing in	
2	32\"(813)	28\"(711)	24\"(610)
4	36\"(914)	32\"(813)	28\"(711)
6	42\"(1067)	36\"(914)	32\"(813)
8	48\"(1219)	42\"(1067)	36\"(914)
10	54\"(1372)	48\"(1219)	42\"(1067)
11	Maximum Turns		

FOR OPENING TO 120° — 9\" (229mm)
FOR OPENING 120° TO 180° — 7 5/8\" (194mm)



INSTALLATION INSTRUCTIONS

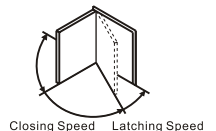
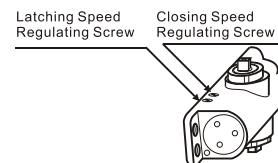
1. Select degree of opening and use dimensions shown in above template to mark four holes on door for closer and four holes on frame for parallel bracket.
2. Drill pilot holes in door and frame for #14 wood screws or drill and tape for 1/4-20 (M6x1.0) machine screws.
3. Mount closer on door WITH SPEED 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. Remove the arm shoe from the forearm (arm shoe is not used in this application) and place forearm on parallel bracket stud and tighten screw securely.
7. Adjust length of forearm so when it is attached to main arm, the main arm will be slightly away from parallel with closed door, and assemble at elbow then tighten locknut.

ADJUSTMENT INSTRUCTIONS

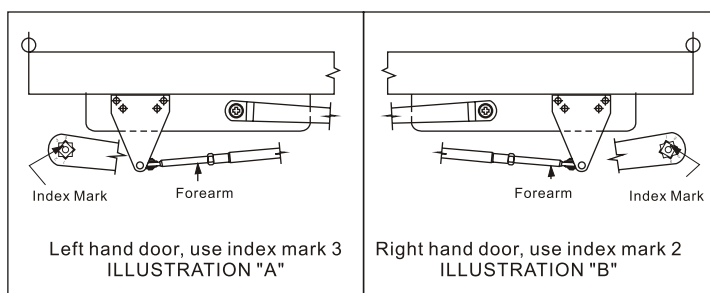
CLOSING POWER — As per "Spring Tension Chart" select the correct number of turns for spring adjustment nut that corresponds with the installation. Using 3/16\" (5mm) allen key, turn adjustment nut full 360° clockwise turns to desired setting.

SPEED — Door closing and latching speeds are controlled by #1, #2 speed regulating screw separately.

A. Clockwise turns slow the speed. B. Counterclockwise turns increase the speed.



POSITION OF ARMS AND INDEX SETTINGS



BACK-CHECK ADJUSTMENT — is controlled by the adjustment valve, BACK-CHECK. Is now set for soft action. To INCREASE Back-check action turn valve CLOCKWISE. To DECREASE, or to TURN OFF Back-check action turn valve COUNTERCLOCKWISE.

DELAYED CLOSING ACTION — is controlled by the Delayed Closing Action Adjustment Valve marked DA on the closer. Delayed Closing Action is now turned off. To TURN ON, or to INCREASE Delayed Closing Action turn valve CLOCKWISE to desired delay time. To DECREASE, or to TURN OFF Delayed Closing Action turn valve COUNTERCLOCKWISE.

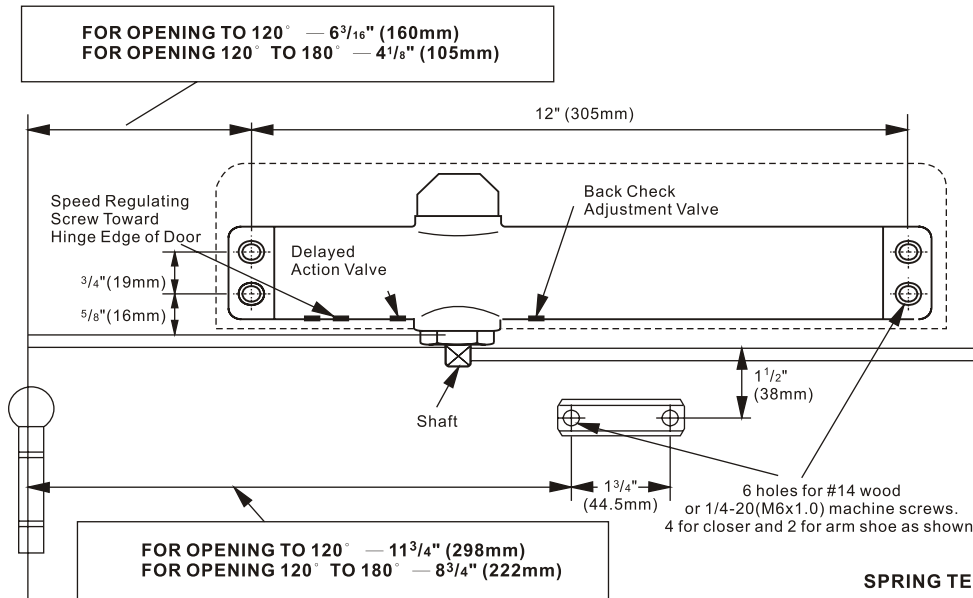
DRESS COVER — Cutout correct notch for shaft and place dress cover over closer. Attach with truss head machine screw provided, or push COVER CAP over shaft without DRESS COVER.



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TOP JAMB INSTALLATION CLOSER MOUNTED ON PUSH SIDE OF DOOR

THIS TEMPLATE COVERS REGULAR ARM INSTALLATIONS TO 180° OPENINGS.
Reveals of 2³/₄" to 5 1¹/₂" require "Top jamb" Forearm Extender Accessory and must be ordered extra.



LEFT HAND DOOR ILLUSTRATED

Same dimensions apply for Left 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 frame for arm shoe.
2. Drill pilot holes in door and frame for #14 wood screws or drill and tape for 1/4-20(M6x1.0) machine screws.
3. Mount closer on door WITH SPEED REGULATING SCREW TOWARD HINGE EDGE.
4. Place main arm on shaft on bottom 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 the arm shoe of the forearm to the door..
6. 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.

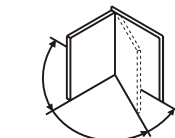
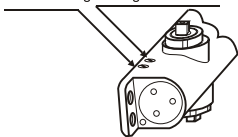
ADJUSTMENT INSTRUCTIONS

CLOSING POWER — Asper "Spring Tension Chart" select the correct number of turns for spring adjustment nut that corresponds with the installation. Using 3/16" (5mm) allen key, turn adjustment nut full 360° clockwise turns to desired setting.

SPEED — Door closing and latching speeds are controlled by #1, #2 speed regulating screw separately. A. Clockwise turns slow the speed. B. Counterclockwise turns increase the speed.-

Latching Speed
Regulating Screw

Closing Speed
Regulating Screw



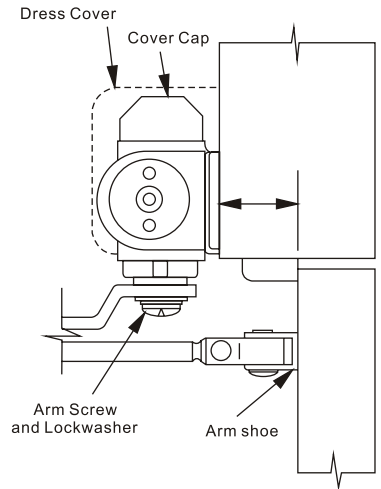
Closing Speed Latching Speed

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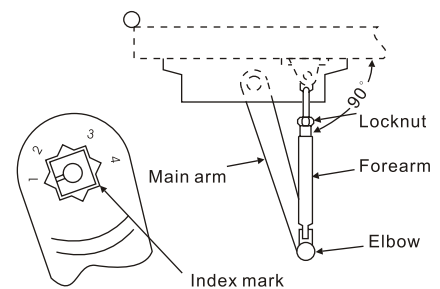
COVER — Cutout correct notch for shaft and place dress cover over closer. Attach with truss head machine screw provided, or push COVER CAP over shaft without DRESS COVER.



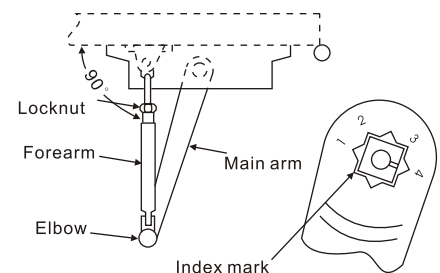
SPRING TENSION — Door Size Chart

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9	54"(1372)	48"(1219)	42"(1067)
11	Maximum Turns		

POSITION OF ARMS AND INDEX SETTINGS



Left hand door. Use index mark 1



Right hand door. Use index mark 4