

SENIOR SWING UNIQUE FEATURES

Digital Control Suite

Provides exceptionally precise control of a large range of built-in functions combined with superior durability and performance. Visual indications and digital readouts of all control function settings and activity make adjustments easy, fast and accurate.

Dual Independent Program Memories

Each unit is pre-programmed to factory default settings. The installer can adjust the unit to meet the job site requirements. These field settings are locked into the computer's memory. Any subsequent field adjustments replace the original field adjustments. The factory settings are always retained in memory and can be recalled to replace the field settings in just seconds, restoring the unit to its original programming.

On-Board Diagnostics

Sophisticated built-in diagnostics program monitors the system microprocessor, power supplies, drive systems, actuators and safety circuits. Reduces the time required to make sure the installation is complete and correct.

On-Board Power Supply

Provides 24V AC output or 24V DC output with rectifier to power card readers, manual actuators and other peripherals.

Plug and Play Sensors

Motion sensors and safety sensors feature a "plug and play" concept allowing fast and accurate wiring connections in only seconds.

Electronic Circuit Protection

High voltage (primary AC input) is protected by replaceable fuse. Low voltage (secondary AC output) is protected by self-resetting fuses.

Visual Function Indicators

LED Display allows direct observation of these inputs while in visual function indicator mode:

- Key switch- set to Auto, OFF or HOLD
- Activate
- DMSS approach
- DMSS safety
- Bodyguard
- Power Boost Disable

Programming Mode

Allows tailoring the following functions to meet specific site conditions

- Opening Speed
- Backcheck Speed
- Backcheck Position
- Hold Open Delay
- Latch Position
- Auto Reverse - Closing
- Electric Lock Delay
- Power Boost
- Push 'N' Go
- Alternate Action
- Safety Slow/Stop
- Slow Down Disable

Push 'N Go

Allows pedestrians to walk up to the door and push it open as if it were a manual door. After the door is manually opened approximately 5 degrees, the Push 'N Go feature takes over and continues to open the door – slowly and automatically to the full open position. With Push 'N Go, the door will stay fully open from one to 30 seconds, depending on the time delay chosen.

Auto Reverse

A safety feature that reverses the direction of the door when it comes into contact with an object during either opening or closing.

Safety Slow/Stops Function

Once the door starts opening, any person or object entering the swing area will cause the door to go into a safety slow speed. This function can be set to allow for a short stop once a person or object is sensed.

Power Boost

Adds an additional latching force to ensure secure latching in severe wind or stack conditions. Power Boost is also ideal for overcoming slowing obstacles such as electric strikes. Provides approximately 25 lbs. of total closing force.

Microprocessor

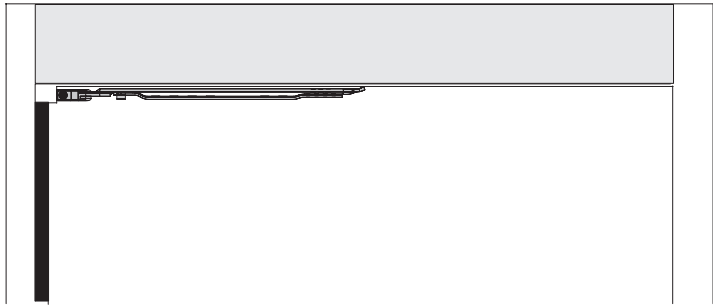
Control unit allows for quiet efficiency in operation. Combined with the all electromechanical unit, it eliminates unnecessary wear and prolongs the life of the unit.

Electric Lock Delay

Causes a 1 second delay between activate signal and door opening to allow time for most electric locks to disengage before operator opens door.

2810 SERIES

**OPERATOR MOUNTS
SINGLE DOOR, OVERHEAD CONCEALED
*CENTER PIVOT
OFFSET PIVOT/BUTT HINGE**



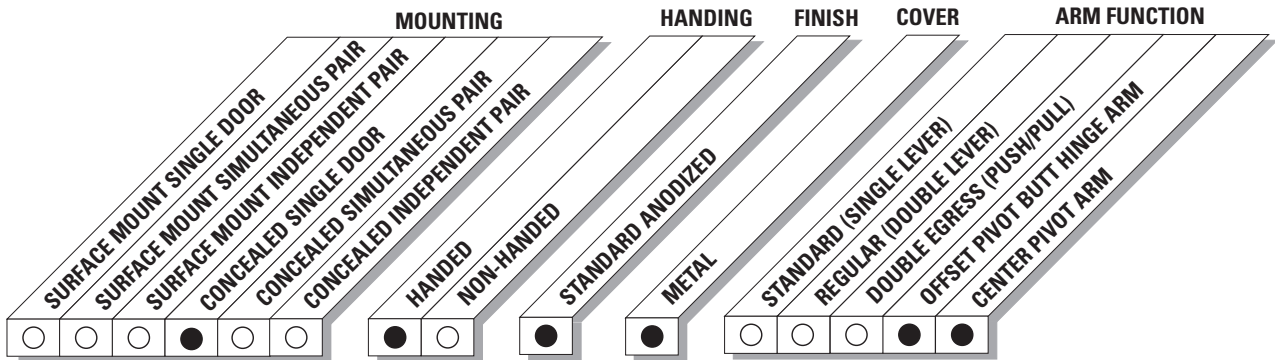
*CENTER PIVOT arm shown

The 2810 SENIOR SWING by LCN is an ADA door operator that is a two-in-one swing door operator. SENIOR SWING operator when activated, opens doors automatically for wheelchair access, yet allows for manual operation for regular pedestrian traffic.

- Push 'N Go permits non-switch activation.
- Power Boost provides additional latching force.
- Electromechanical unit with microprocessor control.
- Meets International Building Code requirements and ANSI A156.19.
- UL approved for fire doors.

2810 Series is fully compliant with UL 325 & UL 1998 and meets the provisions of ANSI A156.19. The 2810 Series is UL listed for fire-rated applications. The 2810 Series also meets the provisions of the Americans with Disabilities Act.

- 2810 Series operator is shipped with motor gearbox, control box, arm, bottom pivot, header, and mounting hardware. Actuators available separately, see pages 122-137.
- Single door, overhead concealed.
- Meets ADA, requirements (power mode only).
- Handed product.
- 36" header length is standard, specify length 33" to 49" max.
- Double door header available up to 98", specify length 49" to 98" max. Consult factory regarding this option.
- Fixed (Positive) or breakaway stop available with center pivot arm.
- Adjustable hold open time of 1 to 32 seconds.

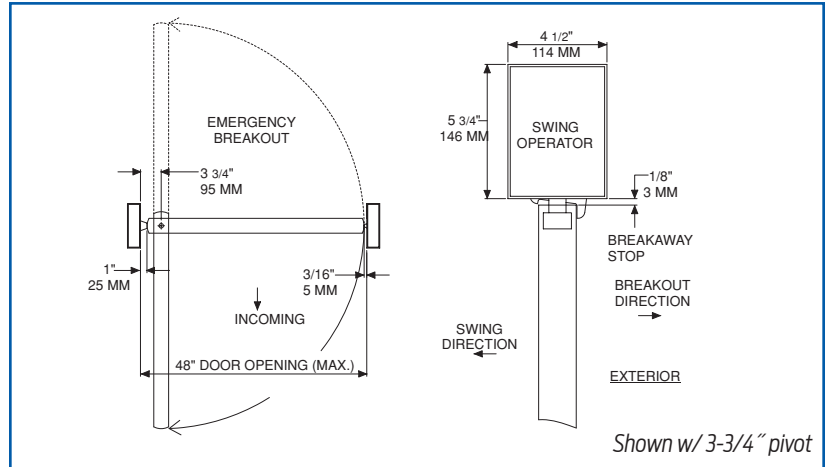


● AVAILABLE
○ NOT AVAILABLE

2810 SERIES

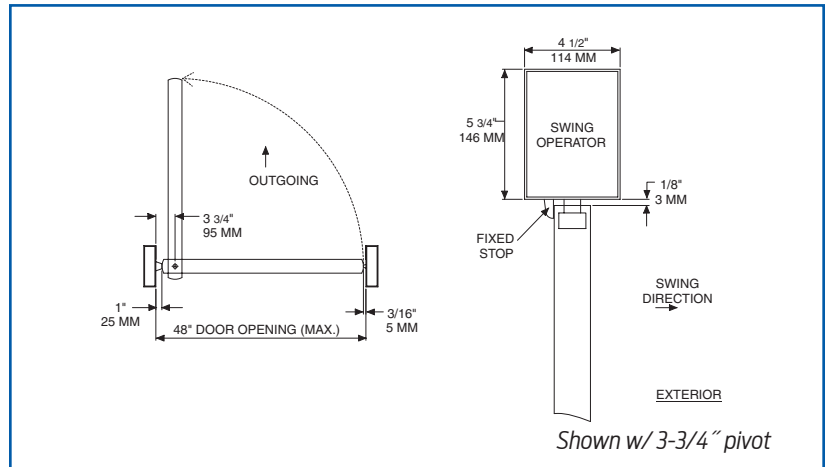
CONCEALED SINGLE DOOR (CENTER PIVOT, EMERGENCY BREAKAWAY, PULL) MOUNTING

Minimum header length 33" with applied stop by others and 36" with LCN fixed or breakaway stop.



CONCEALED SINGLE DOOR (CENTER PIVOT, FIXED STOP, PUSH) MOUNTING

Minimum header length 33" with applied stop by others and 36" with LCN fixed or breakaway stop.



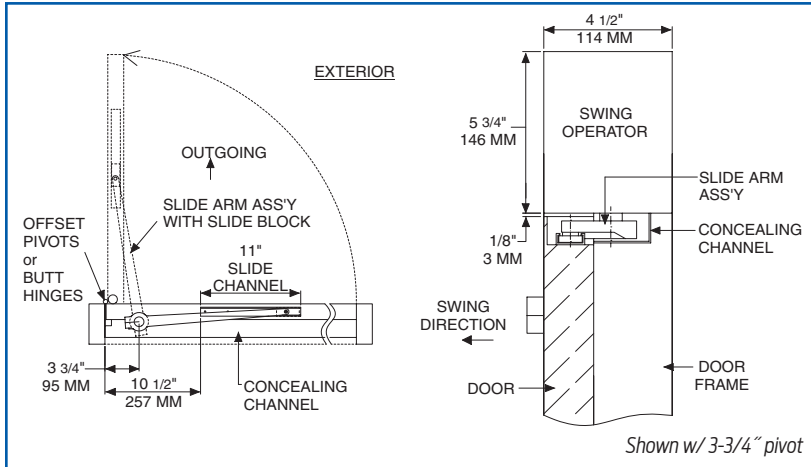
MAXIMUM OPENING

Template allows 90 degree power opening and 90 degree manual opening.

- **Head Frame** minimum 36" (L) x 5-3/4" (H) x 4-1/2" (W) (914 mm x 146 mm x 114 mm).
- **Top Rail** minimum 2" (51 mm).
- **Opening & Closing Time** are variable by adjustments to the electronic control box. Maximum hold open time adjustable up to approximately 32 seconds.
- **Door Stop** required for each door panel.
- **System Diagram** see "AUTOMATIC OPERATORS" section pages 53 for typical system wiring and page 56 for electrical data.

Contact LCN Product Support for installation assistance.

2810 SERIES



CONCEALED SINGLE DOOR (OFFSET PIVOT OR BUTT HINGE, SLIDE ARM, PUSH) MOUNTING

Minimum header length 33".
Installations require bottom pivot and two intermediate pivots.

- **Head Frame** minimum 33" (L) x 5-3/4" (H) x 4-1/2" (W) (838 mm x 146 mm x 114 mm).
- **Top Rail** minimum 2" (51 mm).
- **Opening & Closing Time** are variable by adjustments to the electronic control box. Maximum hold open time adjustable up to approximately 32 seconds.
- **Door Stop** required for each door panel.
- **System Diagram** see "AUTOMATIC OPERATORS" section pages 53 for typical system wiring and page 56 for electrical data.

MAXIMUM OPENING

Template allows 90 degree power opening and 90 degree manual opening.

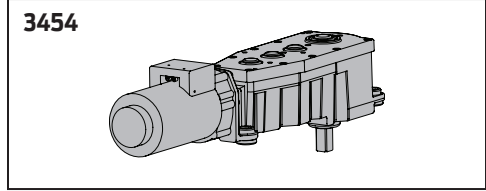
Contact LCN Product Support for installation assistance.

2810 SERIES

MOTOR GEARBOX

MOTOR GEARBOX – SENIOR SWING, 2810-3454

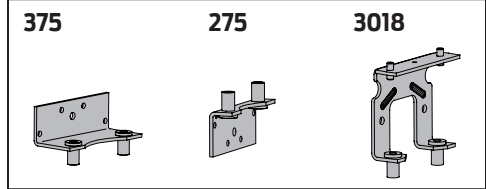
Driving mechanism for operator. Provides maximum 15 lbs opening force. Handed.



MOUNTING BRACKET

MOUNTING BRACKET – 3-3/4", 2810-375

Motor gearbox mounting bracket for 3-3/4" offset pivot, butt hinge or center pivot with finger guard installations. Front bracket.

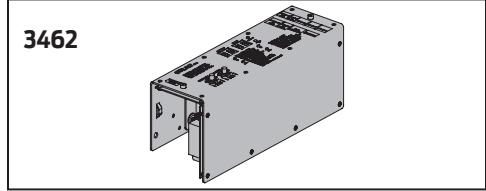


MOUNTING BRACKET – 2-3/4", 2810-275

Motor gearbox mounting bracket for 2-3/4" center pivot installations. Front bracket.

REAR MOUNT BRACKET, 2810-3018

Motor gearbox mounting bracket. Rear bracket.



CONTROL BOXES

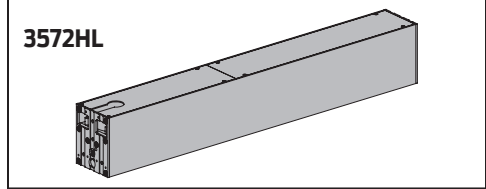
CONTROL BOX - SENIOR SWING, 2810-3462

Electronic controlling device for Senior Swing.

HEADERS

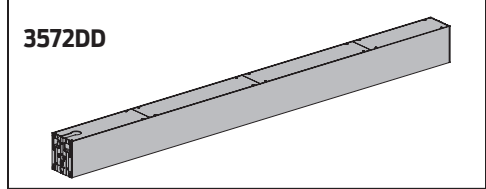
HEADER, 2810-3572HL

Standard, mounting header. Single door, single operator. Specify length 33" to 49" maximum.



HEADER, 2810-3572DD

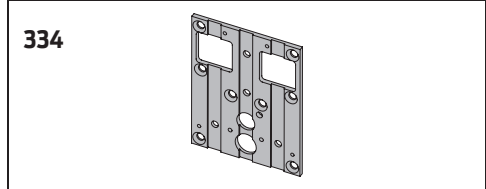
Standard, mounting header. Double door, single operator. Specify length 49" to 98" maximum.



END CAPS

HEADER END CAPS, 2810-334

End cap with openings for wiring.

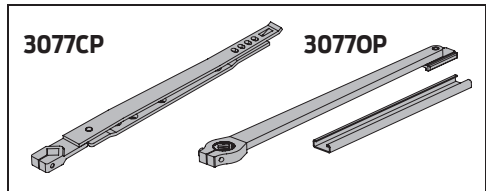


ARMS

CENTER PIVOT ARM, 2810-3077CP

(CENTER PIVOT INSTALLATIONS ONLY)

Used with overhead concealed operators and center pivoted doors.



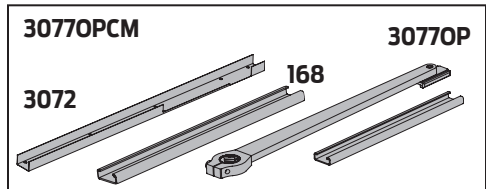
OFFSET PIVOT ARM, 2810-3077OP

(OFFSET PIVOT OR BUTT HUNG INSTALLATIONS ONLY)

Used with overhead concealed operators.

OFFSET PIVOT ARM ASSEMBLY COMPLETE 2810-3077 OPCM

Offset arm with track and concealing channel. (Includes 3072 concealing channel, 168 slide channel and 3077OP offset pivot arm).



2810 SERIES

CHANNELS

CONCEALING CHANNEL, 2810-3072

Used to conceal arm in overhead concealed applications. For offset pivot installations only. If ordering separately specify length and hand.

SLIDE CHANNEL, 2810-168

(OFFSET PIVOT or BUTT HINGE INSTALLATIONS ONLY)
Mounts in top rail of door. Allows arm to slide.

INSTALLATION ACCESSORIES

DOOR STOP BREAKAWAY, 2810-384B

Allows in-swinging door to swing out in case of emergency. Disables operator in breakaway mode. For center pivoted installations only.

DOOR STOP FIXED, 2810-384F

Prevents out-swinging door from swinging in. For center pivoted installations only.

FILLER PLATE BLANK, 2810-12

Completes length of header box.

SPINDLE PLATE – 2-3/4", 2810-11A

Hides bottom of motor gearbox. Completes header box. Cutout allows for motor gearbox shaft. For 2-3/4" center pivot installations.

SPINDLE PLATE – 3-3/4", 2810-11B

Hides bottom of motor gearbox. Completes header box. Cutout allows for motor gearbox shaft. For 3-3/4" offset pivot, butt hinge or center pivot with finger guard installations.

PIVOTS

BOTTOM PIVOT ASSEMBLY, 2810-3107

Includes pivot body, pivot post and bottom pivot plate. For overhead concealed, center pivoted installations. Includes; 2810-107, 2810-110 and 2810-117.

PIVOT BODY, 2810-107

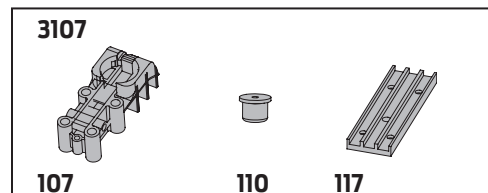
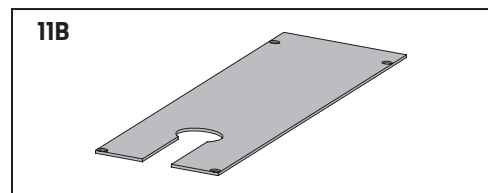
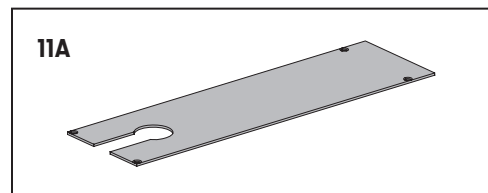
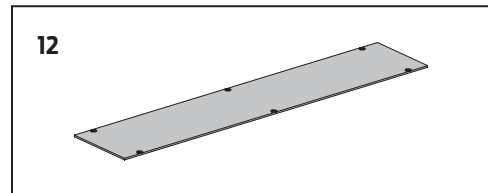
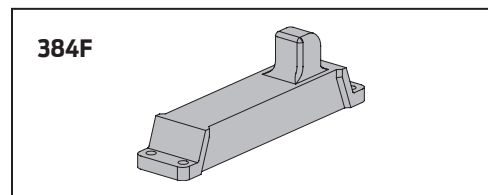
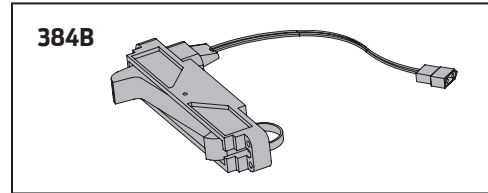
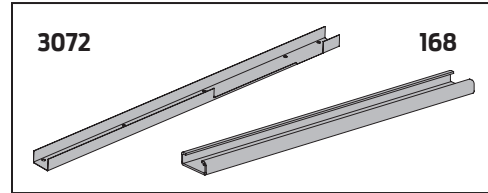
Bottom pivot body for center pivoted installations.

PIVOT POST, 2810-110

Connects pivot body to bottom pivot plate for center pivoted installations.

BOTTOM PIVOT PLATE, 2810-117

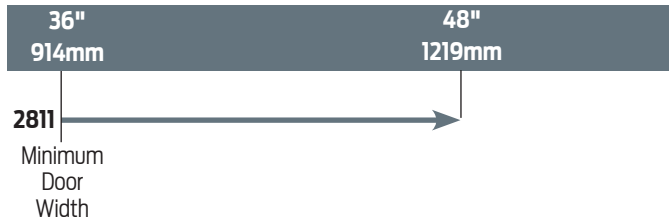
Applied to floor for center pivoted installations.



2810 SERIES

TABLE OF SIZES

DOOR WIDTH



→ Indicates recommended range of door width for operator.

*NOTE: For all Senior Swing Series.
Single Door - Width per leaf 36" minimum, 48" maximum.*

HOW-TO-ORDER 2810 SERIES OPERATORS

1. SELECT INSTALLATION TYPE

2811

2. SPECIFY ARM

- 3-3/4" (Offset pivoted) Arm (3077OP)
- 2-3/4" (Center pivoted) Arm (3077CP)
- 3-3/4" (Center pivoted) Arm (3077CP)

3. SPECIFY HAND

- RH
- LH

4. SPECIFY HEADER/LENGTH

- HL_ (Specify length 33" to 49" offset pivot)
- HL_ (Specify length 36" to 49" center pivot)
- DD_ (Specify length 49" to 98")

5. SPECIFY FINISH

- Standard Anodized Finish _____
Aluminum or Dark Bronze.

Operator will be shipped with:

- MOTOR GEARBOX,
- CONTROL BOX,
- HEADER (at specified Length, 36" standard),
- WOOD and MACHINE SCREW PACK

Unless options listed below are selected.

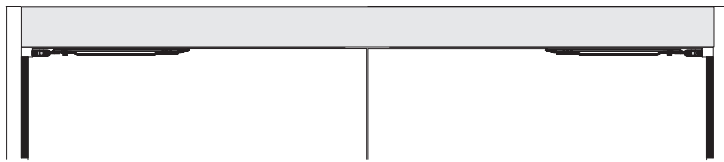
OPERATOR OPTIONS

STOPS*

- Positive Mechanical Stop (POS)
 - Panic Breakaway Stop (BKY)
- *Available with Center Pivoted installations only.*

2850 SERIES

**OPERATOR MOUNTS
SIMULTANEOUS PAIR, OVERHEAD CONCEALED
*CENTER PIVOT
OFFSET PIVOT/BUTT HINGE**



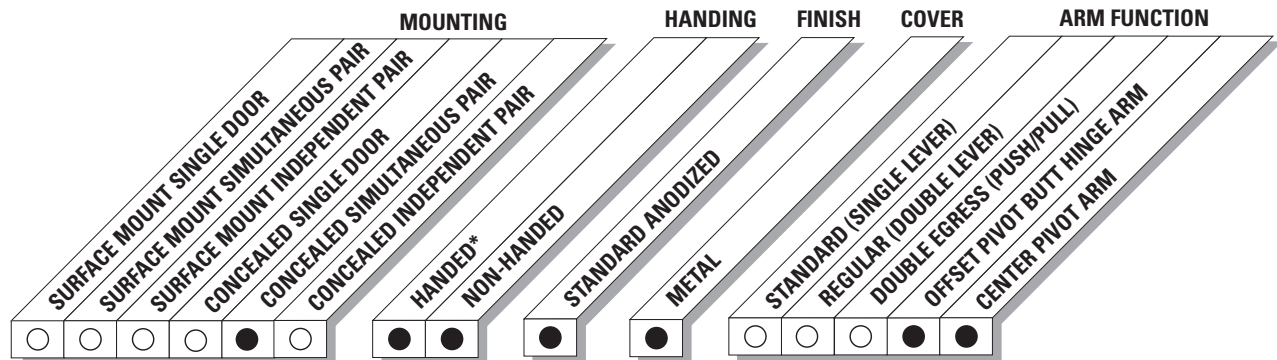
*CENTER PIVOT arm shown

The 2850 SENIOR SWING by LCN is an ADA door operator that is a two-in-one swing door operator. SENIOR SWING operator when activated, opens doors automatically for wheelchair access, yet allows for manual operation for regular pedestrian traffic.

- Push 'N Go permits non-switch activation.
- Power Boost provides additional latching force.
- Electromechanical unit with microprocessor control.
- Digital keypad for easy setup.
- Meets International Building Code requirements and ANSI A156.19.
- UL approved for fire doors.

- 2850 Series operator is shipped with motor gearboxes, control box, arms, bottom pivot, header, and mounting hardware. Actuators available separately, see pages 122-137.
- Simultaneous pair, overhead concealed.
- Meets ADA, requirements (power mode only).
- Handed for double egress applications only.
- 72" header length is standard. Specify other length 52" to 98" max. Consult factory regarding this option.
- Optional fixed (POS) or breakaway stop (BKY) available (center pivot arm). Header lengths 70" to 98" max with either (POS) or (BKY) option.
- Adjustable hold time period of 1 to 32 seconds.

2850 Series is fully compliant with UL 325 & UL 1998 and meets the provisions of ANSI A156.19. The 2850 Series is UL listed for fire-rated applications. The 2850 Series also meets the provisions of the Americans with Disabilities Act.



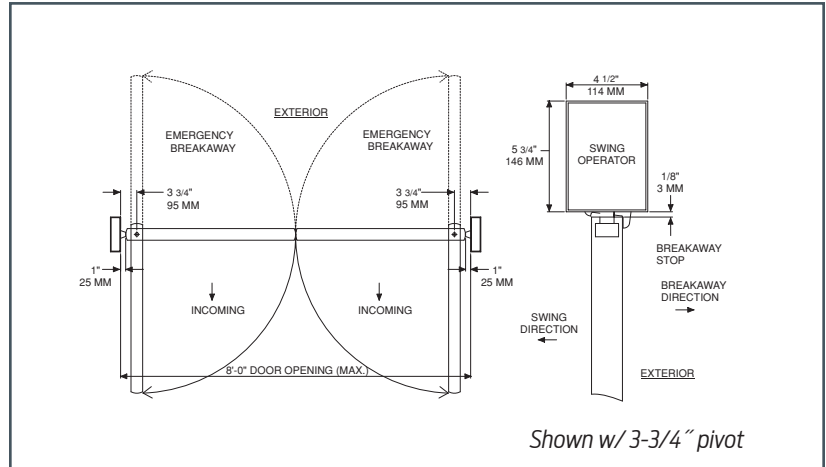
● AVAILABLE
○ NOT AVAILABLE

*For double egress only.

2850 SERIES

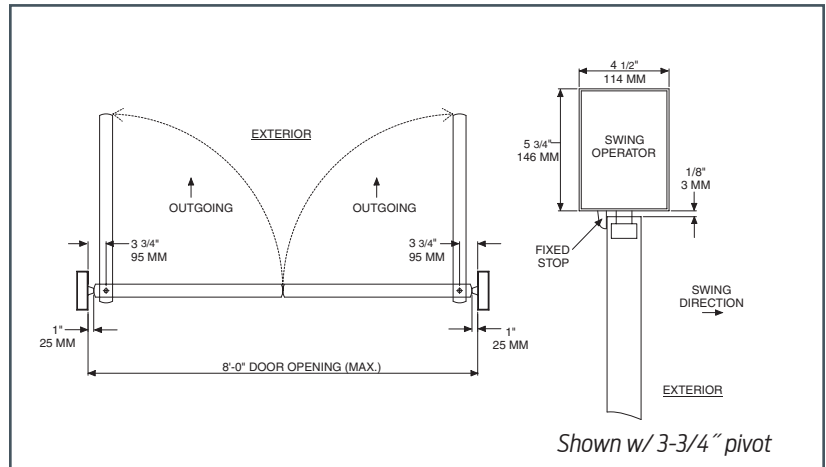
CONCEALED SIMULTANEOUS PAIR (CENTER PIVOT, EMERGENCY BREAKAWAY, PULL) MOUNTING

Minimum header length 52" with applied stop by others and 70" with LCN fixed or breakaway stop.



CONCEALED SIMULTANEOUS PAIR (CENTER PIVOT, FIXED STOP, PUSH) MOUNTING

Minimum header length 52" with applied stop by others and 70" with LCN fixed or breakaway stop.



MAXIMUM OPENING

Template allows 90 degree power opening and 90 degree manual opening.

- **Head Frame** minimum 52" (L) x 5-3/4" (H) x 4-1/2" (W) (1524 mm x 146 mm x 114 mm).
- **Top Rail** minimum 2" (51 mm).
- **Opening & Closing Time** are variable by adjustments to the electronic control box. Maximum hold open time adjustable up to approximately 32 seconds.
- **Door Stop** required for each door panel.
- **System Diagram** see "AUTOMATIC OPERATORS" section pages 53 for typical system wiring and page 56 for electrical data.

Contact LCN Product Support for installation assistance.

2850 SERIES

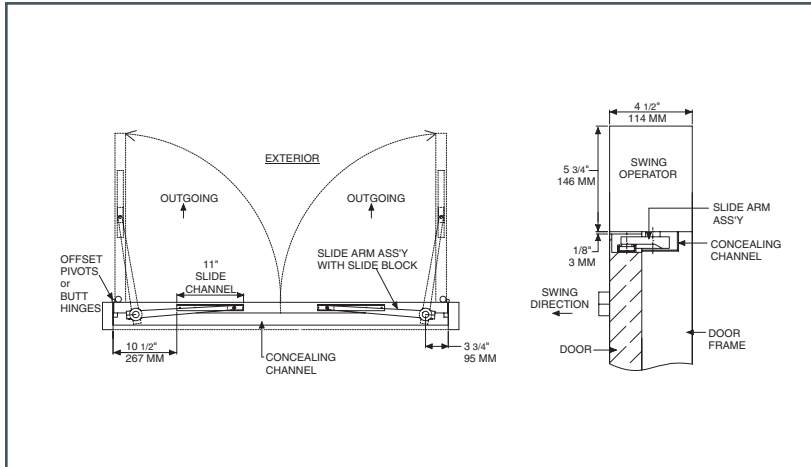
MOUNTING DETAILS

CONCEALED SIMULTANEOUS PAIR (OFFSET PIVOT/BUTT HINGE, PUSH) MOUNTING

Offset pivot installations require a bottom pivot and two intermediate pivots.

MAXIMUM OPENING

Template allows 90 degree power opening and 90 degree manual opening.



- **Head Frame** minimum 52" (L) x 5-3/4" (H) x 4-1/2" (W) (1524 mm x 146 mm x 114 mm).
- **Top Rail** minimum 2" (51 mm).
- **Opening & Closing Time** are variable by adjustments to the electronic control box. Maximum hold open time adjustable up to approximately 32 seconds.
- **Door Stop** required for each door panel.
- **System Diagram** see "AUTOMATIC OPERATORS" section pages 53 for typical system wiring and page 56 for electrical data.

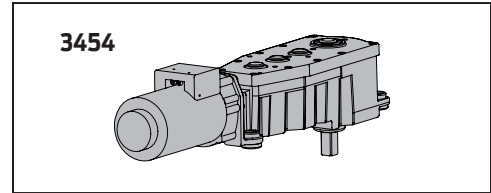
Contact LCN Product Support
for installation assistance.

2850 SERIES

MOTOR GEARBOX

MOTOR GEARBOX – SENIOR SWING, 2850-3454

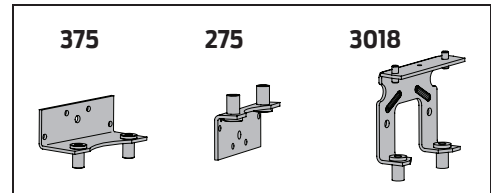
Driving mechanism for operator. Provides maximum of 15 lbs opening force. Handed.



MOUNTING BRACKET

MOUNTING BRACKET – 3-3/4", 2850-375

Motor gearbox mounting bracket for 3-3/4" offset pivot, butt hinge or center pivot with finger guard installations. Front bracket.

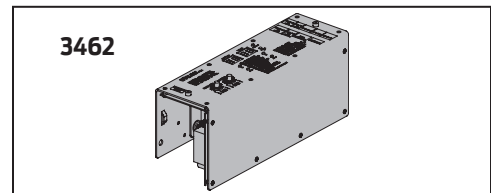


MOUNTING BRACKET – 2-3/4", 2850-275

Motor gearbox mounting bracket for 2-3/4" center pivot installations. Front bracket.

REAR MOUNT BRACKET, 2850-3018

Motor gearbox mounting bracket. Rear bracket.



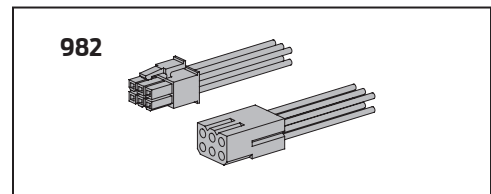
CONTROL BOXES

CONTROL BOX – SENIOR SWING, 2850-3462

Electronic controlling device for Senior Swing.

COMPANION CABLE, 2850-982

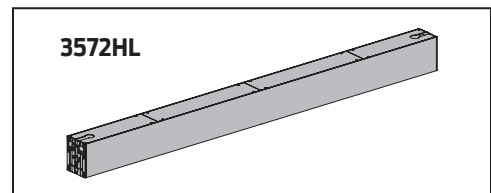
Cable that allows one control box to run two motor gearboxes. For use with Senior Swing.



HEADERS

HEADER, 2850-3572HL

Standard, mounting header. Pair door, two operators. Specify length 52" to 98" maximum.



END CAPS

HEADER END CAPS, 2850-334

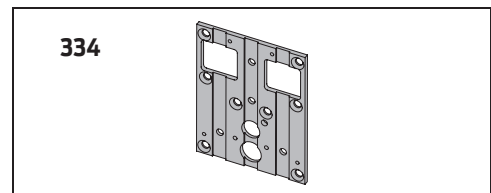
End cap with openings for wiring.

ARMS

CENTER PIVOT ARM, 2850-3077CP

(CENTER PIVOT INSTALLATIONS ONLY)

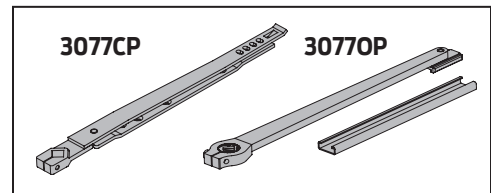
Used with overhead concealed operators and center pivoted doors.



OFFSET PIVOT ARM, 2850-3077OP

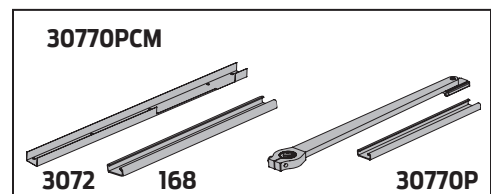
(OFFSET PIVOT OR BUTT HUNG INSTALLATIONS ONLY)

Handed arm. Used with overhead concealed operators.



OFFSET PIVOT ARM ASSEMBLY COMPLETE, 2850-3077OPCM

Offset arm with track and concealing channel. Includes 3072 Concealing Channel, 168 Slide Channel and 3077OP offset pivot arm.



2850 SERIES

CHANNELS

CONCEALING CHANNEL, 2850-3072

Used to conceal arm in overhead concealed applications. For offset pivot and butt hinges installations only. If ordering separately specify length and hand.

SLIDE CHANNEL, 2850-168

(OFFSET PIVOT or BUTT HINGE INSTALLATIONS ONLY)
Mounts in top rail of door. Allows arm to slide.

INSTALLATION ACCESSORIES

DOOR STOP BREAKAWAY, 2850-384B

Allows in-swinging door to swing out in case of emergency. For center pivoted installations only.

DOOR STOP FIXED, 2850-384F

Prevents out-swinging door from swinging in. For center pivoted installations only.

FILLER PLATE BLANK, 2850-12

Completes length of header box.

SPINDLE PLATE – 2-3/4", 2850-11A

Hides bottom of motor gearbox. Completes header box. Cutout allows for motor gearbox shaft. For 2-3/4" center pivot hinge installations.

SPINDLE PLATE – 3-3/4", 2850-11B

Hides bottom of motor gearbox. Completes header box. Cutout allows for motor gearbox shaft. For 3-3/4" offset pivot, butt hinge or center pivot with finger guard installations.

PIVOTS

BOTTOM PIVOT ASSEMBLY, 2850-3107

Includes pivot body, pivot post and bottom pivot plate. For overhead concealed, center pivoted installations. Includes; 2850-107, 2850-110 and 2850-117.

PIVOT BODY, 2850-107

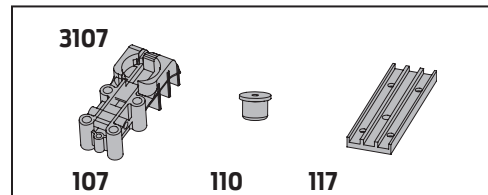
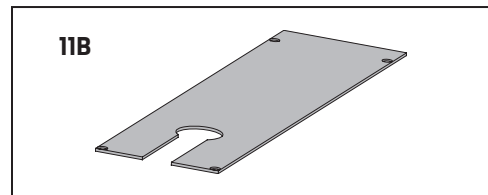
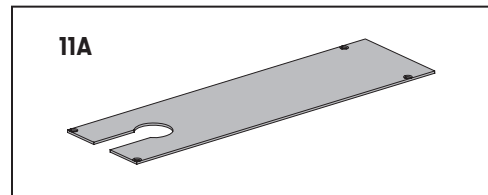
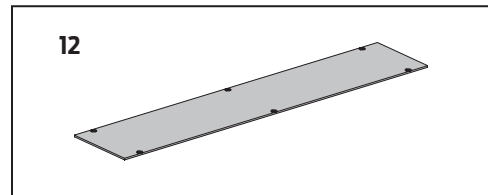
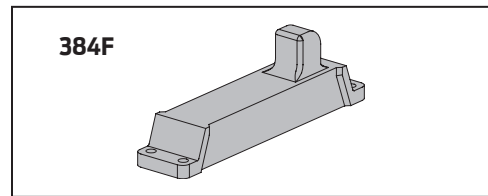
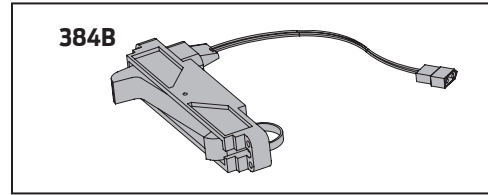
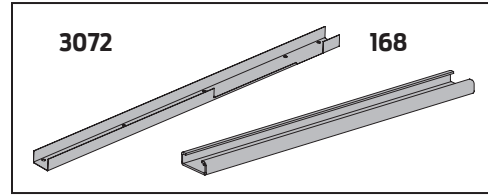
Bottom pivot body for center pivoted installations.

PIVOT POST, 2850-110

Connects pivot body to bottom pivot plate for center pivoted installations.

BOTTOM PIVOT PLATE, 2850-117

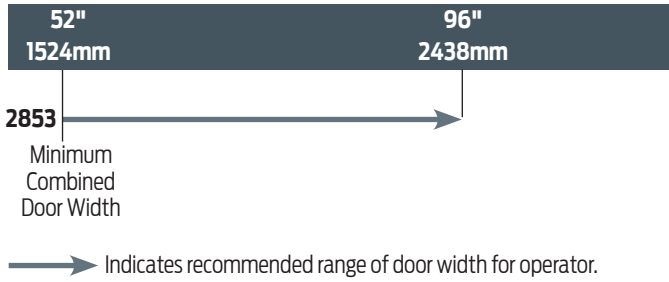
Applied to floor for center pivoted installations.



2850 SERIES

TABLE OF SIZES

COMBINED DOOR WIDTH



NOTE: For all Senior Swing Series.

Simultaneous Pair – Width per leaf 26" minimum to 48" maximum.

HOW-TO-ORDER 2850 SERIES OPERATORS

1. SELECT INSTALLATION TYPE

- 2853

2. SPECIFY ARMS

- 3-3/4" (Offset pivoted) Arm (3077OP)
 2-3/4" (Center pivoted) Arm (3077CP)
 3-3/4" (Center pivoted) Arm (3077CP)

3. SPECIFY HAND (if double egress)

- RH
 LH

4. SPECIFY HEADER/LENGTHS

- HL__ (Specify length 52" to 98")

5. SPECIFY FINISH

- Standard Anodized Finish _____
 Aluminum or Dark Bronze.

Operator will be shipped with:

- STANDARD MOTOR GEARBOX (1 LH & 1 RH),
- STANDARD CONTROL BOX,
- COMPANION CABLE,
- HEADER (at specified length - 72" standard),
- 2-3/4" PIVOT POINT,
- WOOD and MACHINE SCREW PACK

Unless options listed below are selected.

OPERATOR OPTIONS

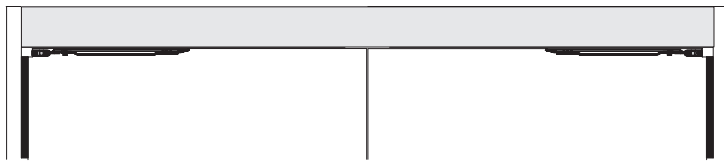
STOPS*

- Pair Positive Mechanical Stop (POS)
 Pair Panic Breakaway Stop (BKY)

**Available with Center Pivoted installations only.*

2860 SERIES

**OPERATOR MOUNTS
INDEPENDENT PAIR, OVERHEAD CONCEALED
*CENTER PIVOT
OFFSET PIVOT/BUTT HINGE**



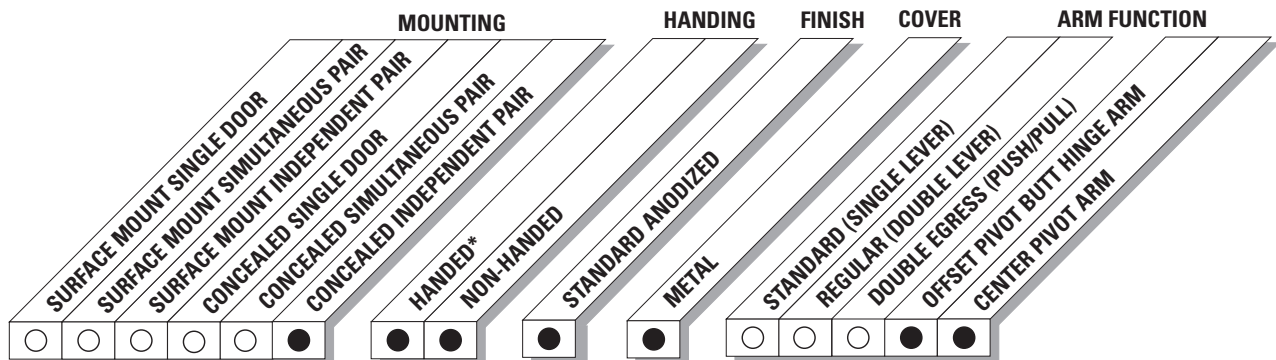
*CENTER PIVOT arm shown

The 2860 SENIOR SWING by LCN is an ADA door operator that is a two-in-one swing door operator. SENIOR SWING operator when activated, opens doors automatically for wheelchair access, yet allows for manual operation for regular pedestrian traffic.

- Push 'N Go permits non-switch activation.
- Power Boost provides additional latching force.
- Electromechanical unit with microprocessor control.
- Digital keypad for easy setup.
- Meets International Building Code requirements and ANSI A156.19.
- UL approved for fire doors.

2860 Series is fully compliant with UL 325 & UL 1998 and meets the provisions of ANSI A156.19. The 2860 Series is UL listed for fire-rated applications. The 2860 Series also meets the provisions of the Americans with Disabilities Act.

- 2860 Series operator is shipped with motor gearboxes, control boxes, bottom pivots, arms, header, and mounting hardware. Actuators available separately, see pages 122-137.
- Independent pair of doors, overhead concealed.
- Meets ADA, requirements (power mode only).
- Handed for double egress applications only.
- 72" header length is standard. Specify other length 65" to 98" max. Consult factory regarding this option.
- Optional fixed (POS) or breakaway stop (BKY) available (center pivot arm) - Header lengths 70" to 98" max with either (POS) or (BKY).
- Adjustable hold open time of 1 to 32 seconds.



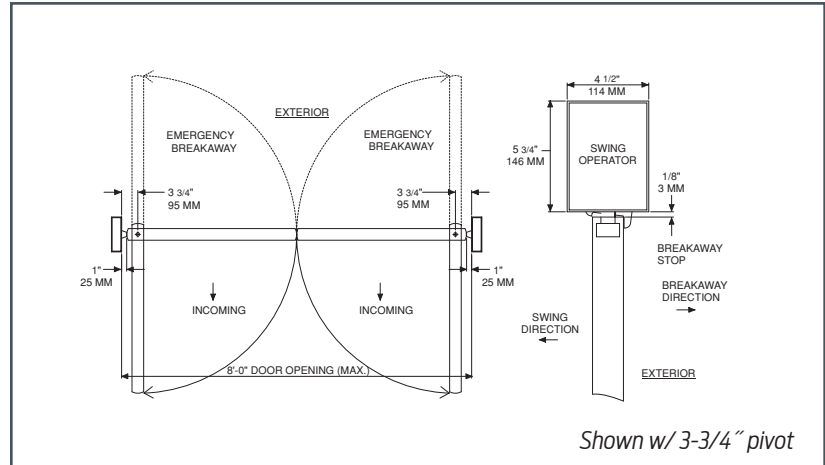
● AVAILABLE
○ NOT AVAILABLE

* For double egress only.

2860 SERIES

CONCEALED INDEPENDENT PAIR (CENTER PIVOT, EMERGENCY BREAKAWAY, PULL) MOUNTING

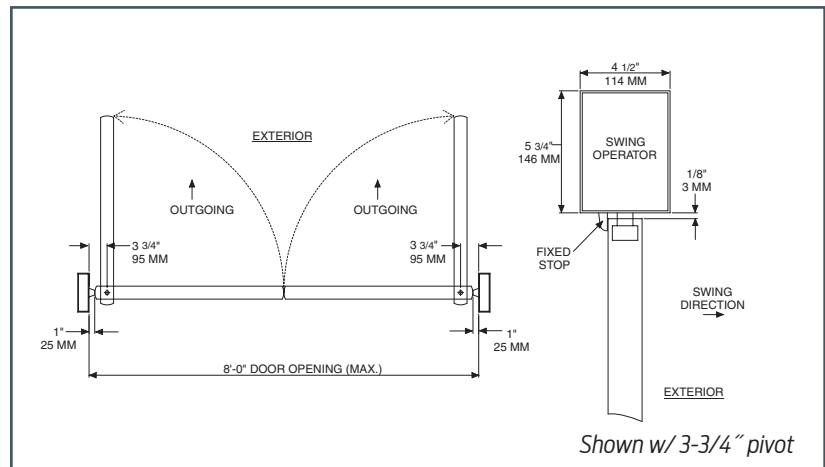
Minimum header length 65" with applied stop by other and 70" with LCN Positive or Breakaway Stop.



Shown w/ 3-3/4" pivot

CONCEALED INDEPENDENT PAIR (CENTER PIVOT, FIXED STOP, PUSH) MOUNTING

Minimum header length 65" with applied stop by others and 70" with LCN Positive or Breakaway Stop.



Shown w/ 3-3/4" pivot

MAXIMUM OPENING

Template allows 90 degree power opening and 90 degree manual opening.

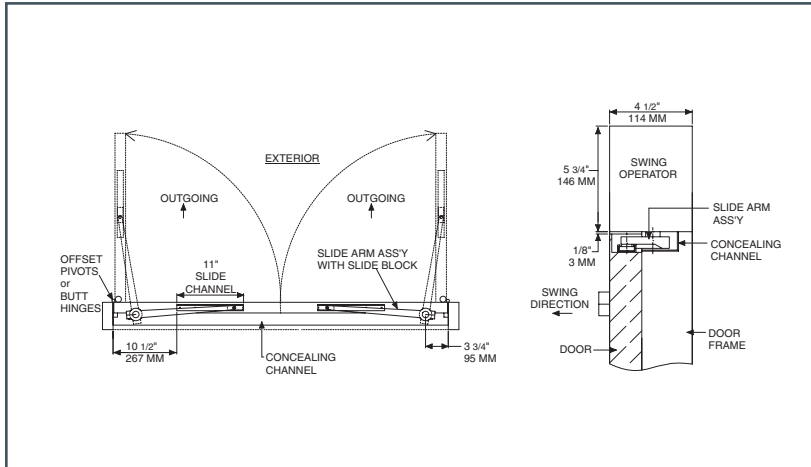
- **Head Frame** minimum 65" (L) x 5 3/4" (H) x 4 1/2" (W) (1651 mm x 146 mm x 114 mm).
- **Top Rail** minimum 2" (51 mm).
- **Opening & Closing Time** are variable by adjustments to the electronic control box. Maximum hold open time adjustable up to approximately 32 seconds.
- **Door Stop** required for each door panel.
- **System Diagram** see "AUTOMATIC OPERATORS" section pages 53 for typical system wiring and page 56 for electrical data.

Contact LCN Product Support
for installation assistance.

2860 SERIES

CONCEALED INDEPENDENT PAIR (OFFSET PIVOT/BUTT HINGE, PUSH) MOUNTING

Offset pivot installations require a bottom pivot and two intermediate pivots.



- **Head Frame** minimum 65" (L) x 5-3/4" (H) x 4-1/2" (W) (1651 mm x 146 mm x 114 mm).
- **Top Rail** minimum 2" (51 mm).
- **Opening & Closing Time** are variable by adjustments to the electronic control box. Maximum hold open time adjustable up to approximately 32 seconds.
- **Door Stop** required for each door panel.
- **System Diagram** see "AUTOMATIC OPERATORS" section pages 53 for typical system wiring and page 56 for electrical data.

MAXIMUM OPENING

Template allows 90 degree power opening and 90 degree manual opening.

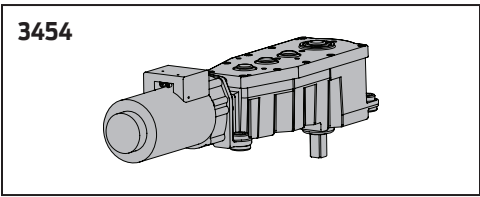
Contact LCN Product Support
for installation assistance.

2860 SERIES

MOTOR GEARBOX

MOTOR GEARBOX – SENIOR SWING, 2860-3454

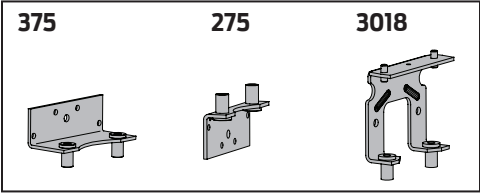
Driving mechanism for operator. Provides maximum of 15 lbs opening force. Handed.



MOUNTING BRACKET

MOUNTING BRACKET – 3-3/4", 2860-375

Motor gearbox mounting bracket for 3-3/4" offset pivot, butt hinge or center pivot with finger guard installations. Front bracket.



MOUNTING BRACKET – 2-3/4", 2860-275

Motor gearbox mounting bracket for 2-3/4" center pivot installations. Front bracket.

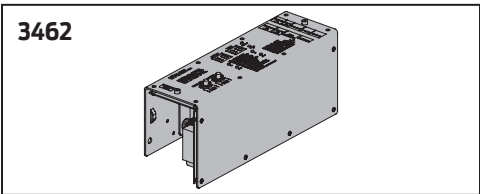
REAR MOUNT BRACKET, 2860-3018

Motor gearbox mounting bracket. Rear bracket.

CONTROL BOXES

CONTROL BOX – SENIOR SWING, 2860-3462

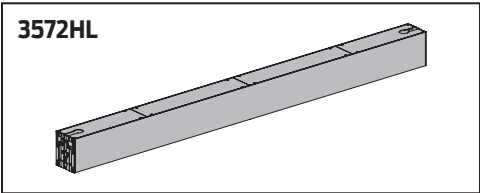
Electronic controlling device for Senior Swing.



HEADERS

HEADER, 2860-3572HL

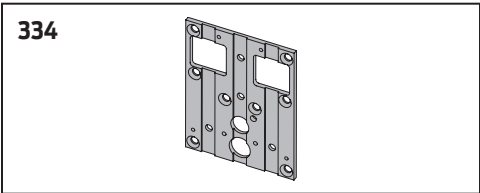
Standard, mounting header. Pair door, two operators. Specify length 65" to 98" maximum.



END CAPS

HEADER END CAPS, 2860-334

End cap with openings for wiring.



ARMS

CENTER PIVOT ARM, 2860-3077CP

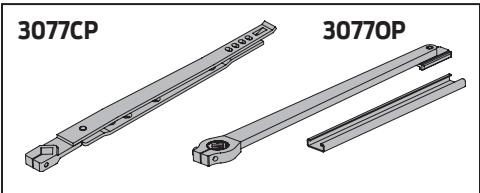
(CENTER PIVOT INSTALLATIONS ONLY)

Used with overhead concealed operators and center pivoted doors.

OFFSET PIVOT ARM, 2860-3077OP

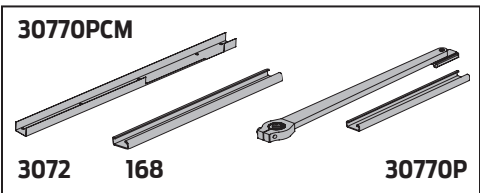
(OFFSET PIVOT OR BUTT HUNG INSTALLATIONS ONLY)

Used with overhead concealed operators.



OFFSET PIVOT ARM ASSEMBLY COMPLETE, 2860-3077OPCM

Offset arm with track and concealing channel. Includes 3072 Concealing Channel, 168 Slide Channel and 3077OP offset pivot arm.



2860 SERIES

CHANNELS

CONCEALING CHANNEL, 2860-3072

Used to conceal arm in overhead concealed applications. For offset pivot and butt hinge installations only. If ordering separately specify length and hand.

SLIDE CHANNEL, 2860-168

(OFFSET PIVOT or BUTT HINGE INSTALLATIONS ONLY)

Mounts in top rail of door. Allows arm to slide.

INSTALLATION ACCESSORIES

DOOR STOP BREAKAWAY, 2860-384B

Allows in-swinging door to swing out in case of emergency. For center pivoted installations only.

DOOR STOP FIXED, 2860-384F

Prevents out-swinging door from swinging in. For center pivoted installations only.

FILLER PLATE BLANK, 2860-12

Completes length of header box.

SPINDLE PLATE – 2-3/4", 2860-11A

Hides bottom of motor gearbox. Completes header box. Cutout allows for motor gearbox shaft. For 2-3/4" center pivot hinge installations.

SPINDLE PLATE – 3-3/4", 2860-11B

Hides bottom of motor gearbox. Completes header box. Cutout allows for motor gearbox shaft. For 3-3/4" offset pivot/butt hinge or center pivot with finger guard installations.

PIVOTS

BOTTOM PIVOT ASSEMBLY, 2860-3107

Includes pivot body, pivot post and bottom pivot plate. For overhead concealed, center pivoted installations. Includes; 2860-107, 2860-110 and 2860-117.

PIVOT BODY, 2860-107

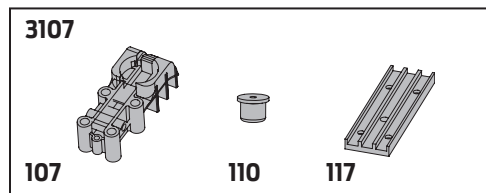
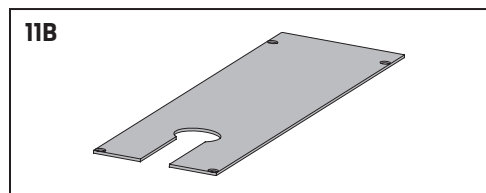
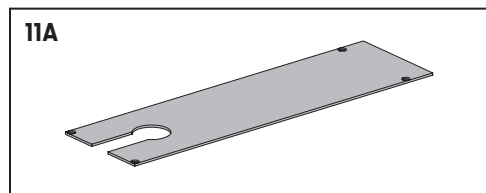
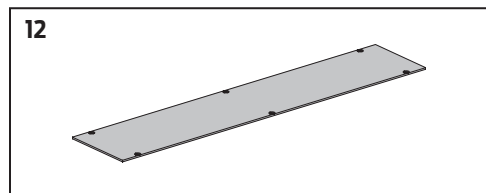
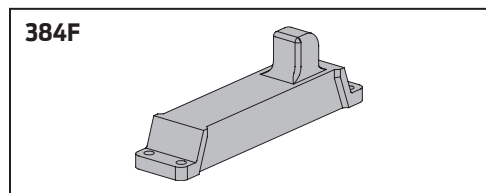
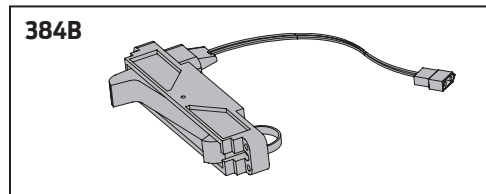
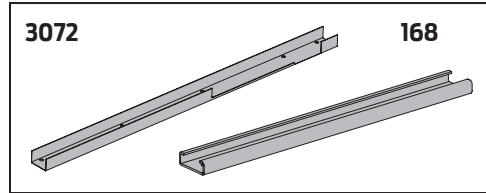
Bottom pivot body for center pivoted installations.

PIVOT POST, 2860-110

Connects pivot body to bottom pivot plate for center pivoted installations.

BOTTOM PIVOT PLATE, 2860-117

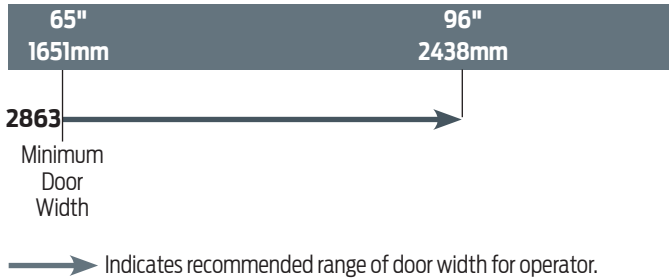
Applied to floor for center pivoted installations.



2860 SERIES

TABLE OF SIZES

DOOR WIDTH



NOTE: For all Senior Swing Series.

Independent Pair – Width per leaf 32-1/2" minimum to 48" maximum.

HOW-TO-ORDER 2860 SERIES OPERATORS

1. SELECT INSTALLATION TYPE

- 2863

2. SPECIFY ARMS

- Standard 3-3/4" (Offset pivoted) Arm (3077OP)
- Standard 2-3/4" (Center pivoted) Arm (3077CP)
- Standard 3-3/4" (Center pivoted) Arm (3077CP)

3. SPECIFY HAND (only for double egress)

- RH
- LH

4. SPECIFY HEADER/LENGTHS

- HL_ (Specify length 65" to 98")

5. SPECIFY FINISH

- Standard Anodized Finish _____
Aluminum or Dark Bronze.

Operator will be shipped with:

- STANDARD MOTOR GEARBOX (1 LH & 1 RH),
- STANDARD CONTROL BOX (2 ea),
- HEADER (at specified length, 72" standard),
- 2-3/4" PIVOT POINT,
- WOOD and MACHINE SCREW PACK

Unless options listed below are selected.

OPERATOR OPTIONS

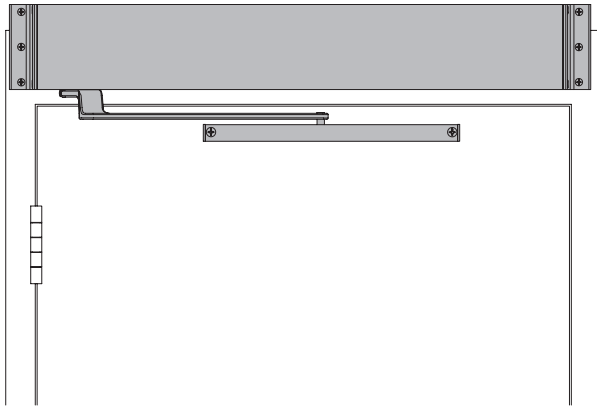
STOPS*

- Pair Positive Mechanical Stop (POS)
- Pair Panic Breakaway Stop (BKY)
- *Available with Center Pivoted installations only.*

9530 SERIES

FEATURES

SINGLE DOOR, SURFACE MOUNT (PULL) OFFSET PIVOT/BUTT HINGE

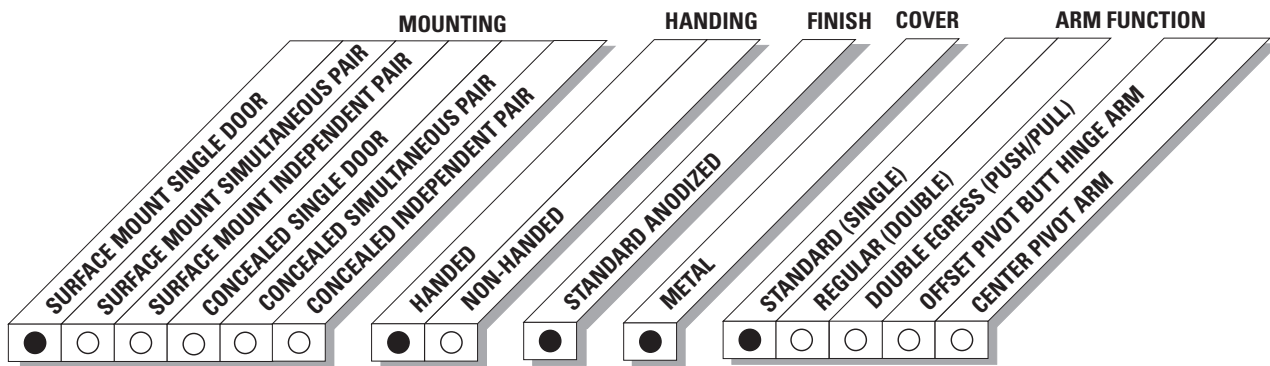


The 9530 SENIOR SWING by LCN is an ADA door operator that is a two-in-one swing door operator. SENIOR SWING operators when activated, opens doors automatically for wheelchair access, yet allows for manual operation for regular pedestrian traffic.

- Push 'N Go permits non-switch activation.
- Power Boost provides additional latching force.
- Electromechanical unit with microprocessor control.
- Digital keypad for easy setup.
- Meets International Building Code requirements and ANSI A156.19.
- UL approved for fire doors.

- 9530 Series operator is shipped with motor gearbox, control box, standard arm, header, and mounting hardware. Actuators available separately, see pages 122-137.
- Single door, surface mounted.
- Meets ADA requirements (power mode only).
- Handed product.
- 36" header length is standard. Specify length 33" to 48" max.
- Double door header available up to 98", specify other length 49" to 98" max. Consult factory regarding this option.
- Adjustable hold open period of 2 to 32 seconds in automatic or manual mode.

9530 Series is fully compliant with UL 325 & UL 1998 and meets the provisions of ANSI A156.19. The 9530 Series is UL listed for fire-rated applications. The 9530 Series also meets the provisions of the Americans with Disabilities Act.

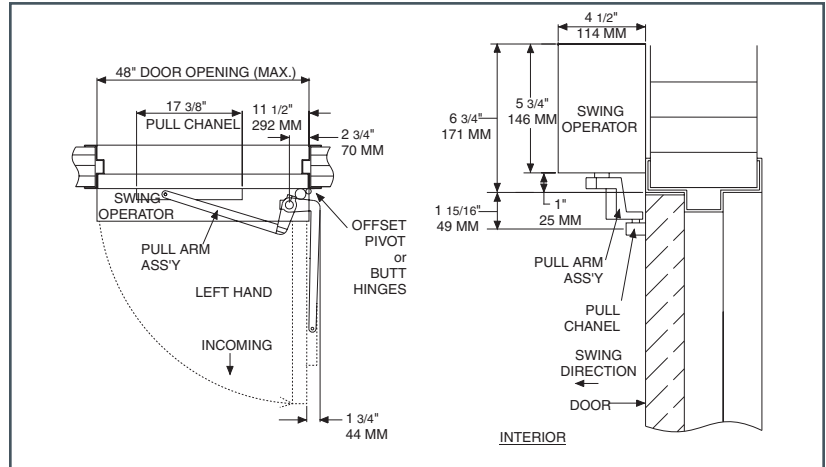


● AVAILABLE
○ NOT AVAILABLE

9530 SERIES

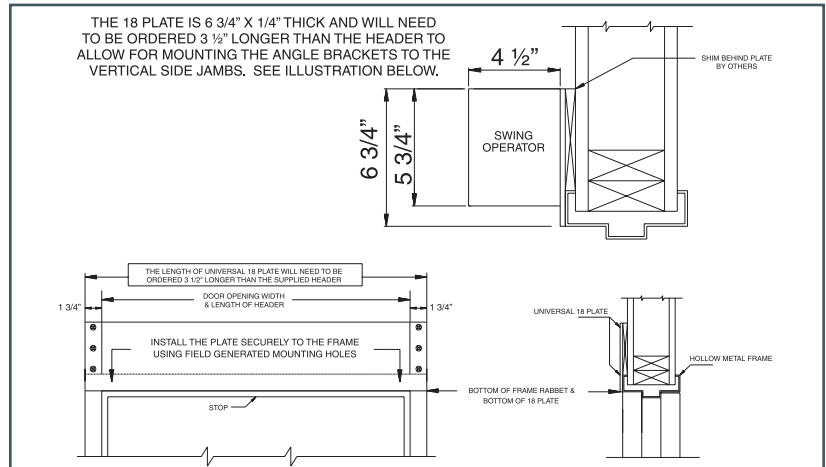
TOP JAMB SINGLE DOOR (OFFSET PIVOT/BUTT HINGE, CENTER PIVOT, PULL) MOUNTING

NOTE: Cannot be used with swing clear hinges, pocket pivots or balanced doors.



HOLLOW METAL FRAME

Suggested Installation.



MAXIMUM OPENING

Template allows 90 degree power opening and 90 degree manual opening.

- **Butt Hinges** should not exceed 5" (127 mm) in width.
- **Reveal** should not exceed 4" (102 mm).
- **Head Frame** minimum 1-3/4" (44 mm). Face frame 6-3/4" (171 mm) total operator clearance.
- **Top Rail** minimum 2-3/4" (70 mm).
- **Opening & Closing Time** are variable by adjustments to the electronic control box. Maximum hold open time adjustable up to approximately 32 seconds.
- **System Diagram** see "AUTOMATIC OPERATORS" section pages 53 for typical system wiring and page 56 for electrical data.

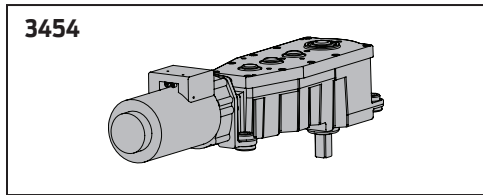
Contact LCN Product Support for installation assistance.

9530 SERIES

MOTOR GEARBOX

MOTOR GEARBOX – SENIOR SWING, 9530-3454

Driving mechanism for operator. Provides maximum of 15 lbs opening force. Handed.



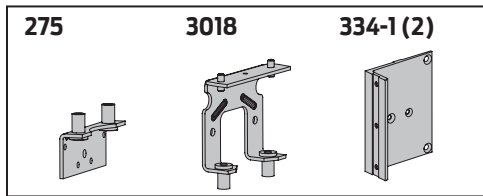
MOUNTING BRACKET

MOUNTING BRACKET – 2-3/4", 9530-275

Motor gearbox mounting bracket for 2-3/4" offset pivot or butt hinge installations. Front bracket.

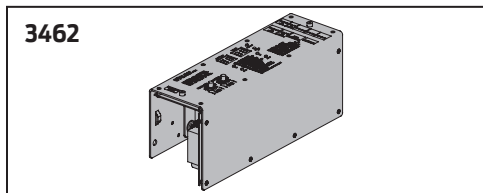
REAR MOUNT BRACKET, 9530-3018

Motor gearbox mounting bracket. Rear bracket.



ANGLED BRACKET, 9530-334-1

Mounting bracket for surface applications. (Includes 2 mounting brackets).



CONTROL BOXES

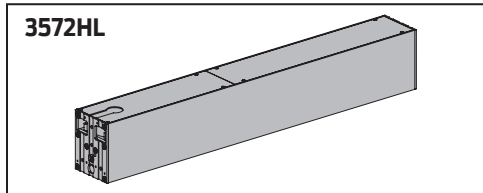
CONTROL BOX – SENIOR SWING, 9530-3462

Electronic controlling device for Senior Swing.

HEADERS

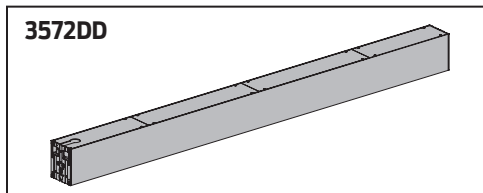
HEADER, 9530-3572HL

Standard, mounting header. Single door, single operator. Specify length 33" to 48" maximum.



HEADER, 9530-3572DD

Standard, mounting header. Double door, single operator. Specify length 49" to 98" maximum.



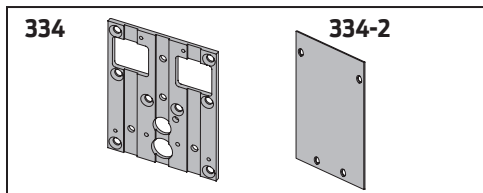
END CAPS

HEADER END CAPS, 9530-334

End cap with openings for wiring.

END DRESS PLATE, 9530-334-2

Metal finish end cap.



9530 SERIES

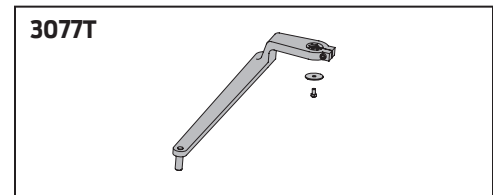
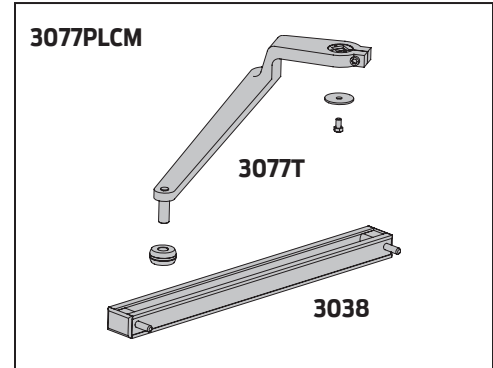
ARMS

STANDARD ARM ASSEMBLY, 9530-3077PLCM

Handed arm. Track roller included. (Includes 3038, 3077T, 3034 & 73).

STANDARD ARM, 9530-3077T

Handed arm. Track roller not included.



TRACKS

TRACK 9530-3038

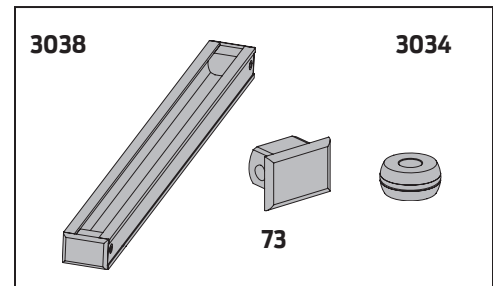
Standard non-handed track. (Includes 3034 & 73).

TRACK END CAP 9530-73

Black plastic end caps.

ROLLER, 9530-3034

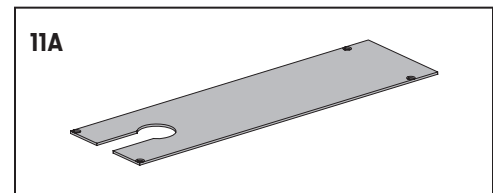
Quiet low friction roller assembly.



INSTALLATION ACCESSORIES

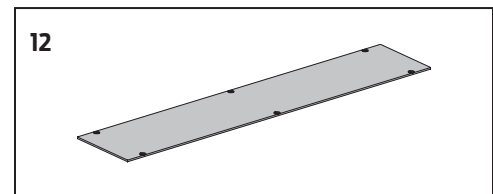
SPINDLE PLATE – 2-3/4", 9530-11A

Hides bottom of motor gearbox. Completes header box. Cutout allows for motor gearbox shaft. For 2-3/4" offset pivot or butt hinge installations.



FILLER PLATE BLANK, 9530-12

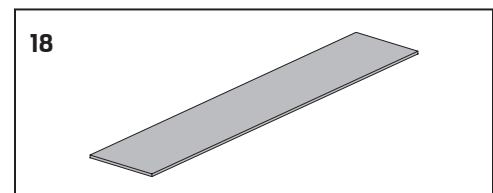
Completes length of header box. (Specify Length).



MOUNTING PLATE, 9530-18

Optional mounting plate for standard hollow metal door frames. Specify length 36-1/2" to 101-1/2" maximum, when angle brackets. Specify length 33" to 98" maximum when using end dress plates.

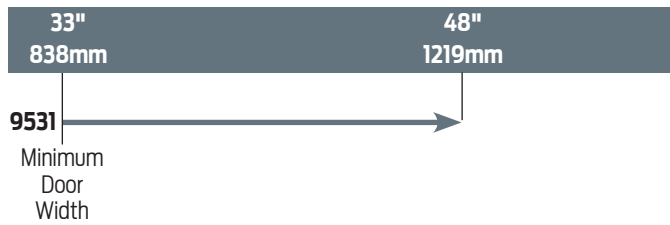
NOTE: The length of a universal 18 plate will need to be ordered 3-1/2" longer than the supplied header when using angle brackets.



9530 SERIES

TABLE OF SIZES

DOOR WIDTH



→ Indicates recommended range of door width for operator.

NOTE: For all Senior Swing Series.

Single Door - Width per leaf 33" minimum, 48" maximum.

HOW-TO-ORDER 9530 SERIES OPERATORS

1. SPECIFY HAND

RH

LH

2. SPECIFY HEADER/LENGTH

HL__ (Specify length 33" to 48")

DD__ (Specify length 49" to 98")

3. SPECIFY FINISH

Standard Anodized Finish _____
Aluminum or Dark Bronze.

Operator will be shipped with:

- STANDARD MOTOR GEARBOX,
- STANDARD CONTROL BOX,
- HEADER (at specified Length, 36" standard),
- STANDARD ARM (3077T),
- 2-3/4" PIVOT POINT,
- STANDARD TRACK w/TRACK ROLLER,
- MACHINE SCREW PACK

Unless options listed below are selected.

OPERATOR OPTIONS

MOUNTING PLATE

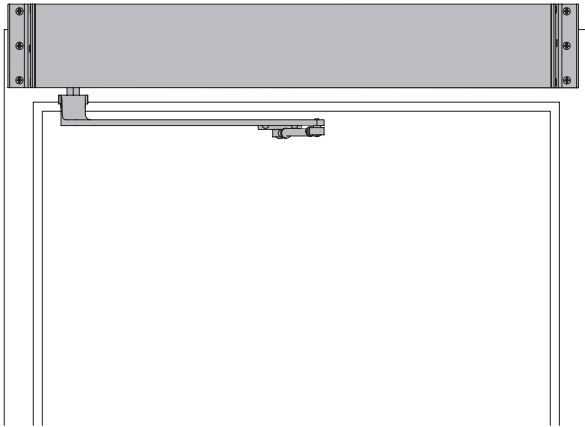
Plate,___ (Specify Length 33" to 101-1/2")

ORDERING INFORMATION

9540 SERIES

FEATURES

SINGLE DOOR, SURFACE MOUNT (PUSH) OFFSET PIVOT/BUTT HINGE

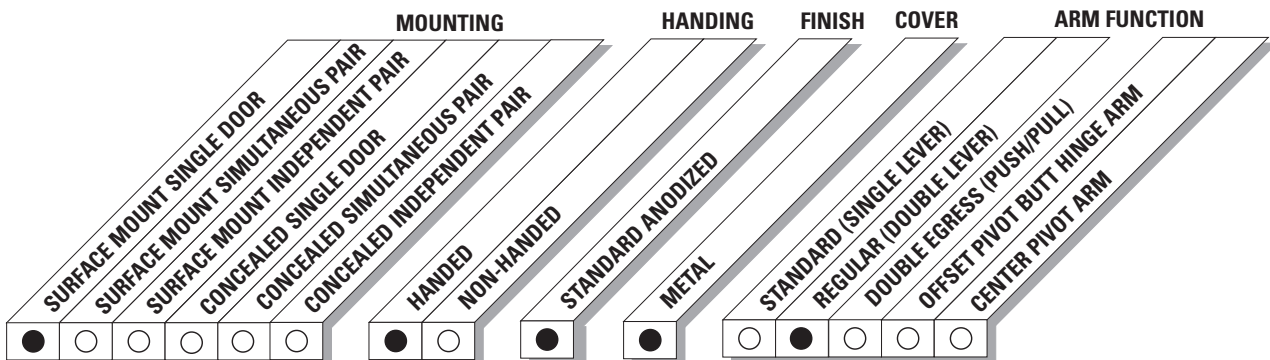


The 9540 SENIOR SWING by LCN is an ADA door operator that is a two-in-one swing door operator. SENIOR SWING operators when activated, opens doors automatically for wheelchair access, yet allows for manual operation for regular pedestrian traffic.

- Push 'N Go permits non-switch activation.
- Power Boost provides additional latching force.
- Electromechanical unit with microprocessor control.
- Digital keypad for easy setup.
- Meets International Building Code requirements and ANSI A156.19.
- UL approved for fire doors.

9540 Series is fully compliant with UL 325 & UL 1998 and meets the provisions of ANSI A156.19. The 9540 Series is UL listed for fire-rated applications. The 9540 Series also meets the provisions of the Americans with Disabilities Act.

- 9540 Series operator is shipped with motor gearbox, control box, regular arm, header, and mounting hardware. Actuators available separately, see pages 122-137.
- Single door, surface mounted.
- Meets ADA requirements (power mode only).
- Handed product.
- 36" header length is standard. Specify length 33" to 48" max.
- Double door header available up to 98", specify other length 49" to 98" max. Consult factory regarding this option.
- Adjustable hold open period of 2 to 32 seconds in automatic or manual mode.



● AVAILABLE
○ NOT AVAILABLE

9540 SERIES

TOP JAMB SINGLE DOOR (OFFSET PIVOT/BUTT HINGE, CENTER PIVOT, PUSH) MOUNTING

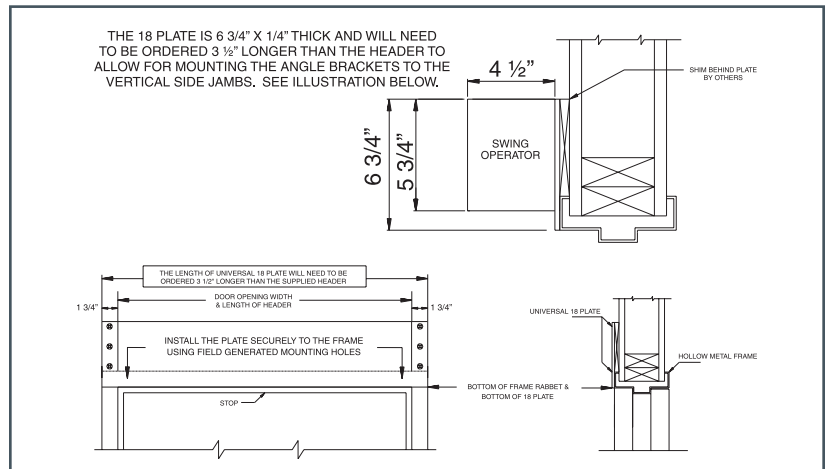
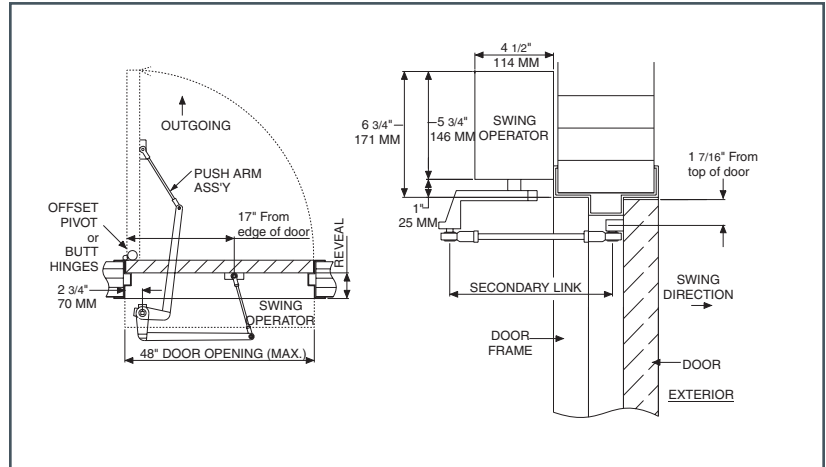
Consult factory for all balance door installations.

HOLLOW METAL FRAME

Suggested Installation.

MAXIMUM OPENING

Template allows 90 degree power opening and 90 degree manual opening.



- **Butt Hinges** should not exceed 5" (127 mm) in width.
- **Reveal** for push installations should not exceed 10" (254 mm) for REGULAR ARM and 20" (508 mm) for LONG ARM.
- **Head Frame** minimum 1-3/4" (44 mm). Face frame 6-3/4" (171 mm) total operator clearance.
- **Top Rail** minimum 2-3/4" (70 mm).
- **Opening & Closing Time** are variable by adjustments to the electronic control box. Maximum hold open time adjustable up to approximately 32 seconds.
- **System Diagram** see "AUTOMATIC OPERATORS" section pages 53 for typical system wiring and page 56 for electrical data.

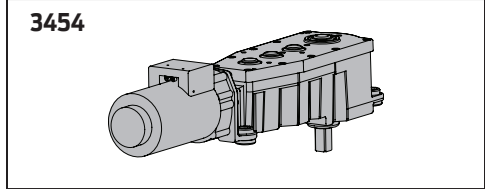
Contact LCN Product Support for installation assistance.

9540 SERIES

MOTOR GEARBOX

MOTOR GEARBOX – SENIOR SWING, 9540-3454

Driving mechanism for operator. Provides 15 lbs opening force. Handed.



MOUNTING BRACKET

MOUNTING BRACKET – 2-3/4", 9540-275

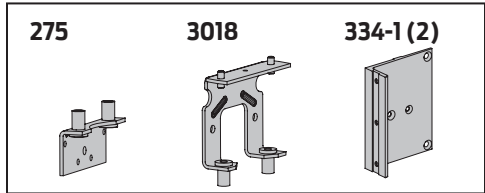
Motor gearbox mounting bracket for 2-3/4" offset pivot or butt hinge installations. Front bracket.

REAR MOUNT BRACKET, 9540-3018

Motor gearbox mounting bracket. Rear bracket.

ANGLED BRACKET, 9540-334-1

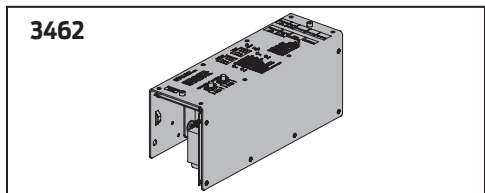
Mounting bracket for surface applications. (Includes 2 mounting brackets).



CONTROL BOXES

CONTROL BOX – SENIOR SWING, 9540-3462

Electronic controlling device for Senior Swing.



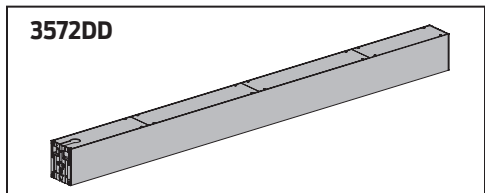
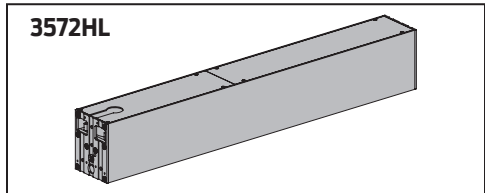
HEADERS

Header, 9540-3572HL

Standard, mounting header. Single door, single operator. Specify length 33" to 48" maximum.

Header, 9540-3572DD

Standard, mounting header. Double door, single operator. Specify length 49" to 98" maximum.



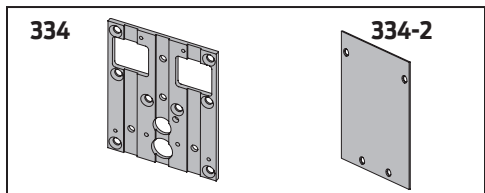
END CAPS

HEADER END CAPS, 9540-334

End cap with openings for wiring.

END DRESS PLATE, 9540-334-2

Metal finish end cap.



9540 SERIES

ARMS

REGULAR ARM ASSEMBLY, 9540-3077

Handed arm.

REGULAR LONG ARM ASSEMBLY, 9540-3077L

Handed arm.

MAIN ARM, 9540-77

Handed arm attaches to motor gearbox.

LINKAGE ASSEMBLY – 15", 9540-79

Threaded rod attaches to door. Extends from main arm.

LINKAGE ASSEMBLY – 32", 9540-79LR

Threaded long rod attaches to door. Extends from main arm.
Used for reveal 10" to 20".

INSTALLATION ACCESSORIES

SPINDLE PLATE – 2-3/4", 9540-11A

Hides bottom of motor gearbox. Completes header box. Cutout allows for motor gearbox shaft. For 2-3/4" offset pivot or butt hinge installations.

FILLER PLATE BLANK, 9540-12

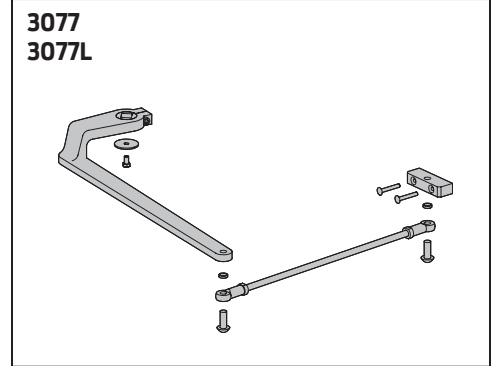
Completes length of header box. (Specify length).

MOUNTING PLATE, 9540-18

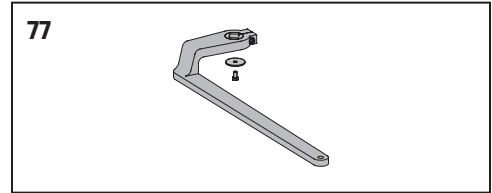
Optional mounting plate for standard hollow metal door frames. Specify length 36-1/2" to 101-1/2" maximum, when angle brackets. Specify length 33" to 98" maximum when using end dress plates.

NOTE: The length of a universal 18 plate will need to be ordered 3-1/2" longer than the supplied header when using angle brackets.

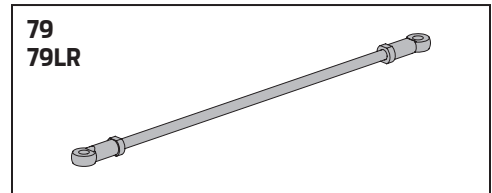
3077
3077L



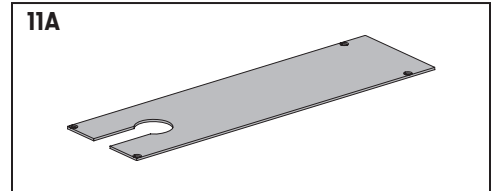
77



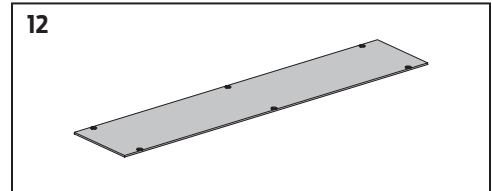
79
79LR



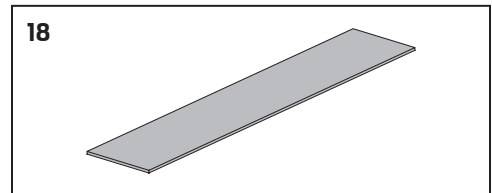
11A



12



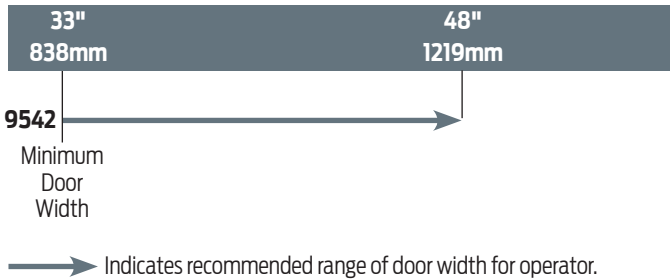
18



9540 SERIES

TABLE OF SIZES

DOOR WIDTH



NOTE: For all Senior Swing Series.

Single Door - Width per leaf 33" minimum, 48" maximum.

HOW-TO-ORDER 9540 SERIES OPERATORS

1. SPECIFY HAND

- RH
- LH

2. SPECIFY HEADER/LENGTH

- HL__ (Specify length 33" to 48")
- DD__ (Specify length 49" to 98")

3. SPECIFY FINISH

- Standard Anodized Finish _____
Aluminum or Dark Bronze.

Operator will be shipped with:

- STANDARD MOTOR GEARBOX,
 - STANDARD CONTROL BOX,
 - HEADER (at specified length, 36" standard),
 - REGULAR ARM (3077),
 - 2-3/4" PIVOT POINT,
 - WOOD and MACHINE SCREW PACK
- Unless options listed below are selected.*

OPERATOR OPTIONS

MOUNTING PLATE

- Plate, ____ (Specify Length 33" to 101-1/2")

ARM

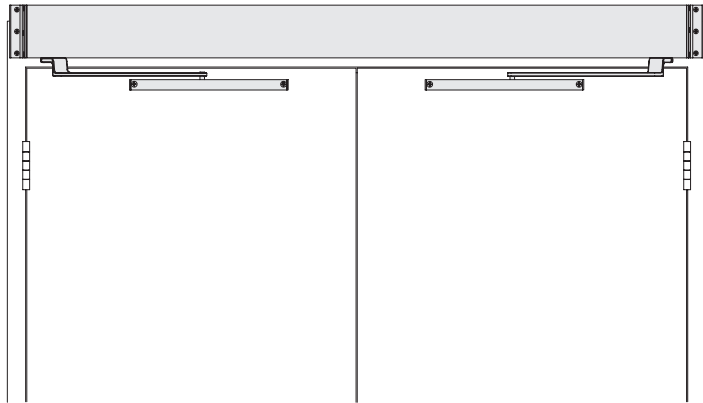
- Long Arm (3077L)

ORDERING INFORMATION

9550 SERIES

FEATURES

**OPERATOR MOUNTS
SIMULTANEOUS PAIR, SURFACE MOUNT
*PULL SIDE
PUSH SIDE
DOUBLE EGRESS**



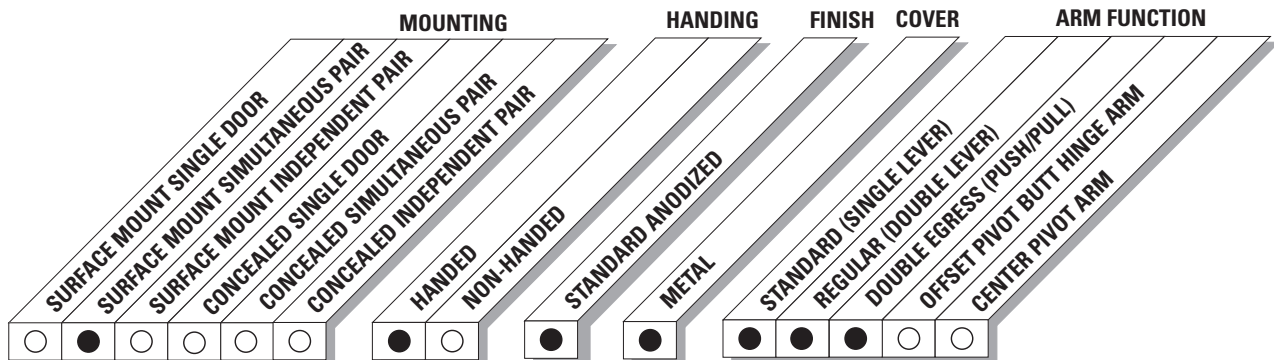
*PULL SIDE mount shown

The 9550 SENIOR SWING by LCN is an ADA door operator that is a two-in-one swing door operator. SENIOR SWING operators when activated, opens doors automatically for wheelchair access, yet allows for manual operation for regular pedestrian traffic.

- Push 'N Go permits non-switch activation.
- Power Boost provides additional latching force.
- Electromechanical unit with microprocessor control.
- Digital keypad for easy setup.
- Meets International Building Code requirements and ANSI A156.19.
- UL approved for fire doors.

9550 Series is fully compliant with UL 325 & UL 1998 and meets the provisions of ANSI A156.19. The 9550 Series is UL listed for fire-rated applications. The 9550 Series also meets the provisions of the Americans with Disabilities Act.

- 9550 Series operator is shipped with motor gearboxes, control box, arms, header, and mounting hardware. Actuators available separately, see pages 122-137.
- Simultaneous pair, surface mounted.
- Meets ADA requirements (power mode only).
- Handed product.
- Pull, Push or Double Egress applications available.
- 72" header length is standard. Specify other length 52" to 98". Consult factory regarding this option.
- Adjustable hold open period of 2 to 32 seconds in automatic or manual mode.

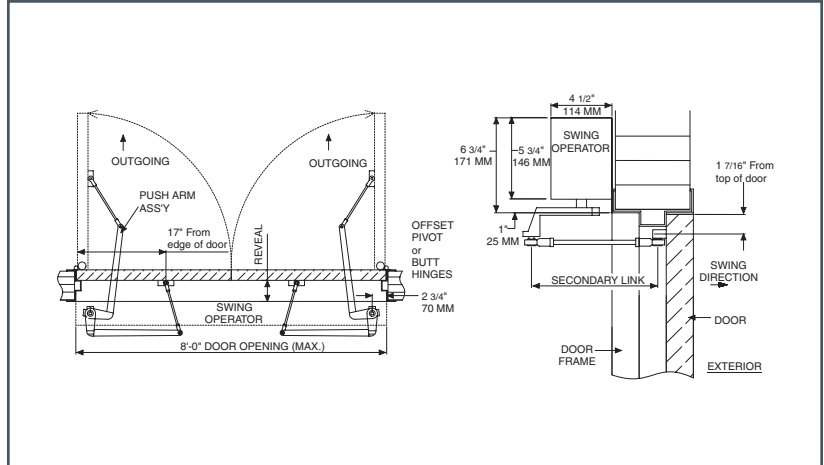


● AVAILABLE
○ NOT AVAILABLE

LCN 9550 SERIES

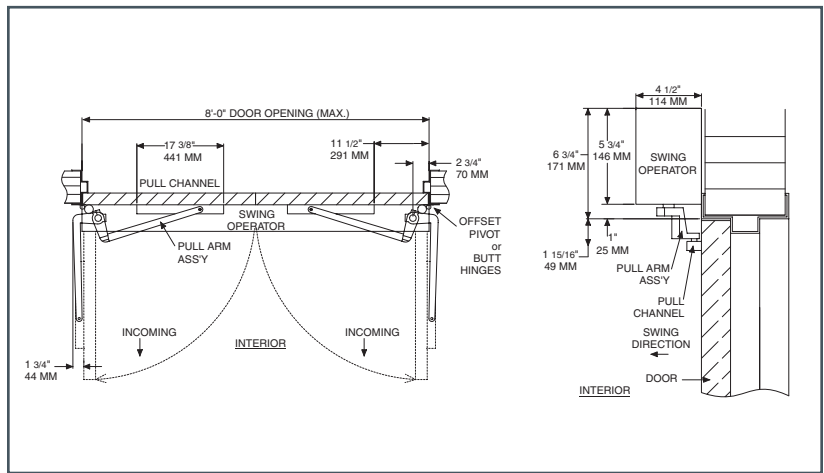
TOP JAMB SIMULTANEOUS PAIR (OFFSET PIVOT/BUTT HINGE, CENTER PIVOT, PUSH) MOUNTING

Consult factory for all balanced door installations.



TOP JAMB SIMULTANEOUS PAIR (OFFSET PIVOT/BUTT HINGE, CENTER PIVOT, PULL) MOUNTING

NOTE: Cannot be used with swing clear hinges, pocket pivots or balanced doors.



MAXIMUM OPENING

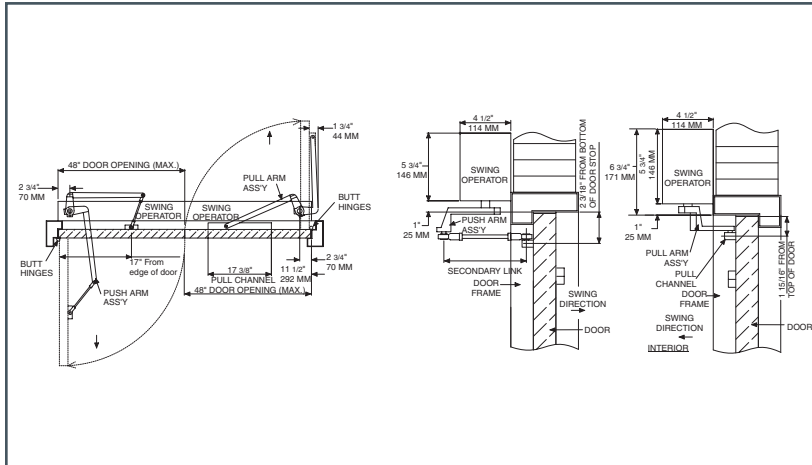
Template allows 90 degree power opening and 90 degree manual opening.

- **Butt Hinges** should not exceed 5" (127 mm) in width.
- **Reveal for push** installations should not exceed 10" (254 mm) for REGULAR ARM and 20" (508 mm) for LONG ARM.
- **Reveal for pull** installations should not exceed 4" (102 mm).
- **Reveal** for double egress installations should not exceed 4" (102 mm).
- **Head Frame** minimum 1-3/4" (44 mm). Face frame 6-3/4" (171 mm) total operator clearance.
- **Top Rail** minimum 2-3/4" (70 mm).
- **Opening & Closing Time** are variable by adjustments to the electronic control box. Maximum hold open time adjustable up to approximately 32 seconds.
- **System Diagram** see "AUTOMATIC OPERATORS" section pages 53 for typical system wiring and page 56 for electrical data.

Contact LCN Product Support for installation assistance.

9550 SERIES

MOUNTING DETAILS

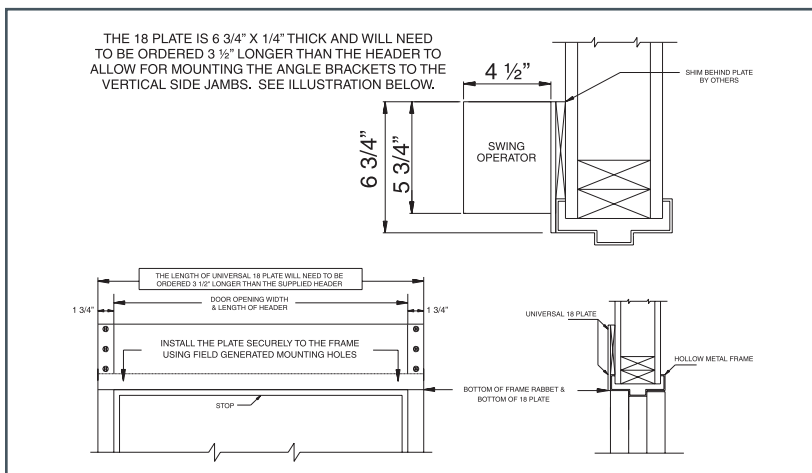


TOP JAMB SIMULTANEOUS PAIR (RH DOUBLE EGRESS) MOUNTING

Double egress applications with safety sensors require LCN 9560 series.
 NOTE: Cannot be used with swing clear hinges, pocket pivots or balanced door.

HOLLOW METAL FRAME

Suggested Installation.



MAXIMUM OPENING

Template allows 90 degree power opening and 90 degree manual opening.

- **Butt Hinges** should not exceed 5" (127 mm) in width.
- **Reveal for push** installations should not exceed 10" (254 mm) for REGULAR ARM and 20" (508 mm) for LONG ARM.
- **Reveal for pull** installations should not exceed 4" (102 mm).
- **Reveal for double egress** installations should not exceed 4" (102 mm).
- **Head Frame** minimum 1-3/4" (44 mm). Face frame 6-3/4" (171 mm) total operator clearance.
- **Top Rail** minimum 2-3/4" (70 mm).
- **Opening & Closing Time** are variable by adjustments to the electronic control box. Maximum hold open time adjustable up to approximately 32 seconds.
- **System Diagram** see "AUTOMATIC OPERATORS" section pages 53 for typical system wiring and page 56 for electrical data.

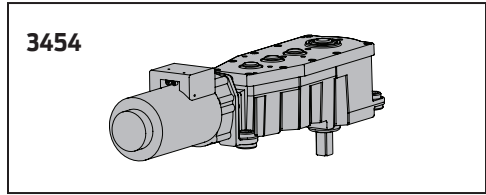
Contact LCN Product Support for installation assistance.

9550 SERIES

MOTOR GEARBOX

MOTOR GEARBOX – SENIOR SWING, 9550-3454

Driving mechanism for operator. Provides 15 lbs opening force. Handed.



MOUNTING BRACKETS

MOUNTING BRACKET – 2-3/4", 9550-275

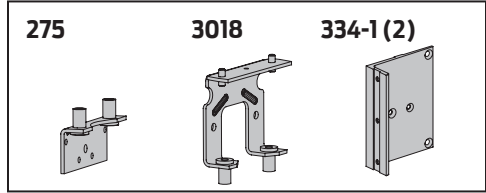
Motor gearbox mounting bracket for 2-3/4" offset pivot or butt hinge installations. Front bracket.

REAR MOUNT BRACKET, 9550-3018

Motor gearbox mounting bracket. Rear bracket.

ANGLED BRACKET, 9550-334-1

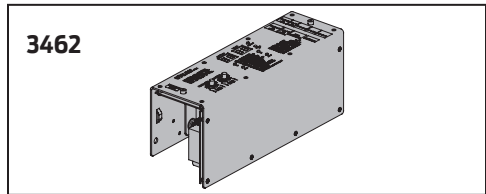
Mounting bracket for surface applications. (Includes 2 mounting brackets).



CONTROL BOXES

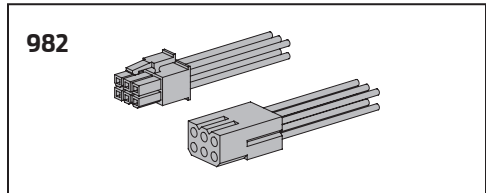
CONTROL BOX – SENIOR SWING, 9550-3462

Electronic controlling device for Senior Swing.



COMPANION CABLE, 9550-982

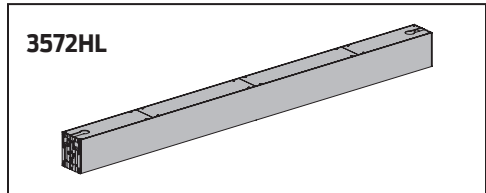
Cable that allows one control box to run two motor gear boxes. Companion cable. For use with Senior Swing.



HEADERS

HEADER, 9550-3572HL

Standard, mounting header. Pair door, two operators. Specify length 52" to 98" maximum.



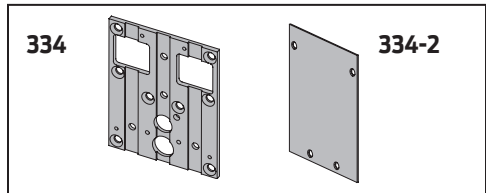
END CAPS

HEADER ENDCAPS, 9550-334

End cap with openings for wiring.

END DRESS PLATE, 9550-334-2

Metal finish end cap.



9550 SERIES

ARMS

STANDARD ARM ASSEMBLY, 9550-3077PLCM

Handed arm. (Includes 3077 regular arm assembly, 3038 track, and 3034 track roller).

REGULAR ARM ASSEMBLY, 9550-3077

Handed arm. (Includes 77 main arm assembly and 79 linkage assembly).

REGULAR LONG ARM ASSEMBLY, 9550-3077L

Handed arm. (Includes 77 main arm assembly and 79LR linkage assembly).

STANDARD ARM, 9550-3077T

Handed arm. Track roller not included.

MAIN ARM, 9550-77

Handed arm attaches to motor gearbox.

LINKAGE ASSEMBLY – 15", 9550-79

Threaded rod attaches to door. Extends from main arm.

LINKAGE ASSEMBLY – 32", 9550-79LR

Threaded long rod attaches to door. Extends from main arm. Used for reveal 10" to 20".

TRACKS

TRACK 9550-3038

Standard non-handed track.

TRACK END CAP 9550-73

Black plastic end caps.

ROLLER, 9550-3034

Quiet low friction roller assembly.

INSTALLATION ACCESSORIES

SPINDLE PLATE – 2-3/4", 9550-11A

Hides bottom of motor gearbox. Completes header box. Cutout allows for motor gearbox shaft. For 2-3/4" offset pivot or butt hinge installations.

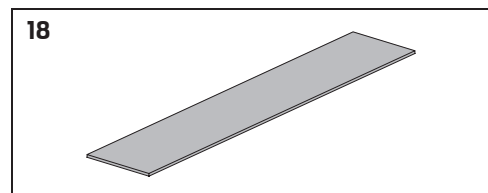
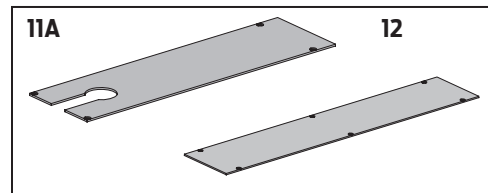
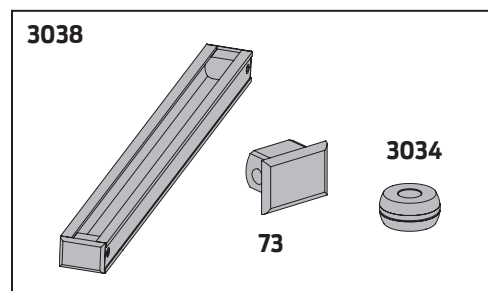
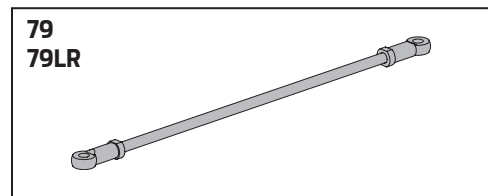
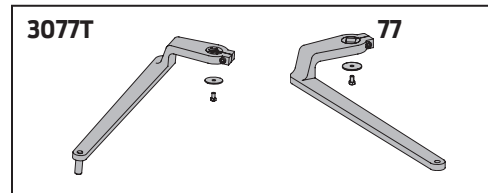
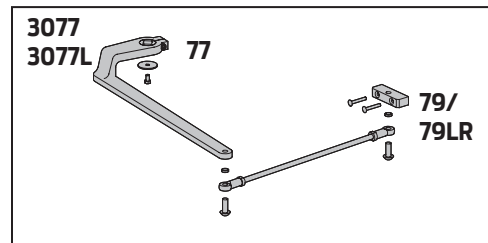
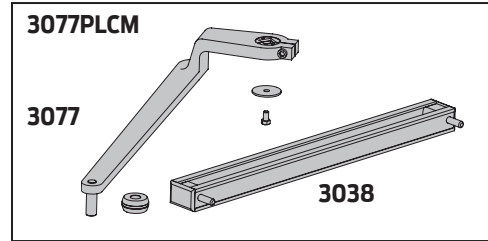
FILLER PLATE BLANK, 9550-12

Completes length of header box. (Specify length).

MOUNTING PLATE, 9550-18

Optional mounting plate for standard hollow metal door frames. Specify length 55-1/2" to 101-1/2" maximum when using angle brackets. Specify length 52" to 98" maximum when using dress plates.

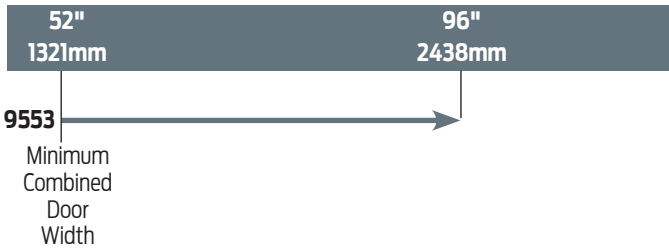
NOTE: The length of a universal 18 plate will need to be ordered 3-1/2" longer than the supplied header when using angle brackets.



9550 SERIES

TABLE OF SIZES

COMBINED DOOR WIDTH



→ Indicates recommended range of door width for operator.

NOTE: For all Senior Swing Series.

Simultaneous Pair – Width per leaf 30" minimum to 48" maximum.

HOW-TO-ORDER 9550 SERIES OPERATORS

1. SPECIFY HAND

- RH
- LH

2. SPECIFY HEADER / LENGTH

- HL__ (Specify length 52" to 98")
regular or long arm
- HL__ (Specify length 60" to 98")
for standard or DE arm

3. SPECIFY FINISH

- Standard Anodized Finish _____
Aluminum or Dark Bronze.

Operator will be shipped with:

- STANDARD MOTOR GEARBOX (SF) (2 ea),
- STANDARD CONTROL BOX (SC),
- METAL COVER (at specified length 72" standard),
- REGULAR ARM (2 ea),
- 2-3/4" PIVOT POINT,
- MACHINE SCREW PACK

OPERATOR OPTIONS

MOUNTING PLATE

- Plate, ____ (Specify Length 52" to 101-1/2")

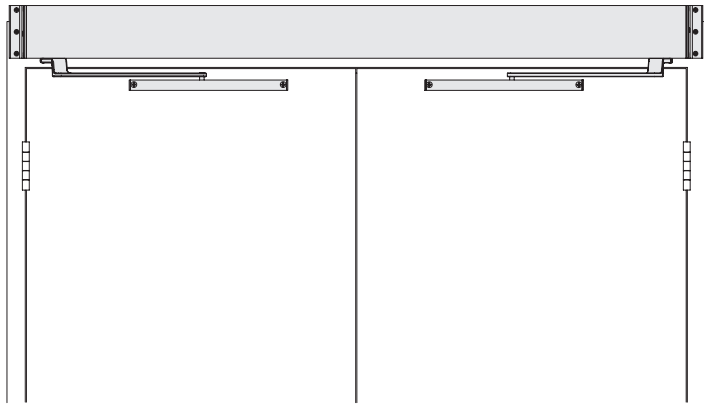
ARM

- Standard Arm (2 ea)
w/Standard Track (2 ea)
- Double Egress
Includes Standard Arm w/Track (1 ea)
& Regular Arm (1 ea)
- Long Arm (3077L)

9560 SERIES

FEATURES

**OPERATOR MOUNTS
INDEPENDENT PAIR, SURFACE MOUNT
*PULL SIDE
PUSH SIDE
DOUBLE EGRESS**



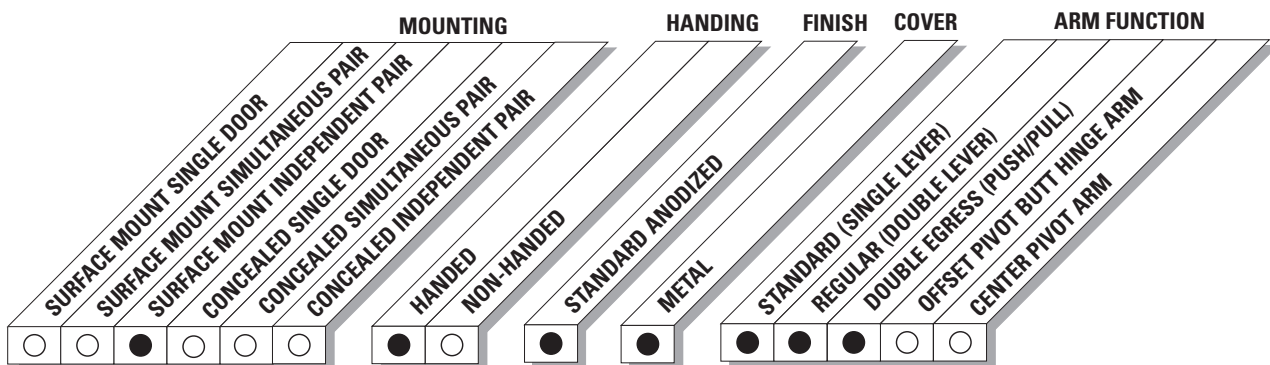
*PULL SIDE mount shown

The 9560 SENIOR SWING by LCN is an ADA door operator that is a two-in-one swing door operator. SENIOR SWING operators when activated, opens doors automatically for wheelchair access, yet allows for manual operation for regular pedestrian traffic.

- Push 'N Go permits non-switch activation.
- Power Boost provides additional latching force.
- Electromechanical unit with microprocessor control.
- Digital keypad for easy setup.
- Meets International Building Code requirements and ANSI A156.19.
- UL approved for fire doors.

- 9560 Series operator is shipped with motor gearboxes, control boxes, arms, header, and mounting hardware. Actuators available separately, see pages 122-137.
- Independent pair, surface mounted.
- Meets ADA requirements (power mode only).
- Handed product.
- Pull, Push or Double Egress applications available.
- 72" header length is standard. Specify other length 65" to 98". Consult factory regarding this option.
- Adjustable hold open period of 2 to 32 seconds in automatic or manual mode.

9560 Series is fully compliant with UL 325 & UL 1998 and meets the provisions of ANSI A156.19. The 9560 Series is UL listed for fire-rated applications. The 9560 Series also meets the provisions of the Americans with Disabilities Act.

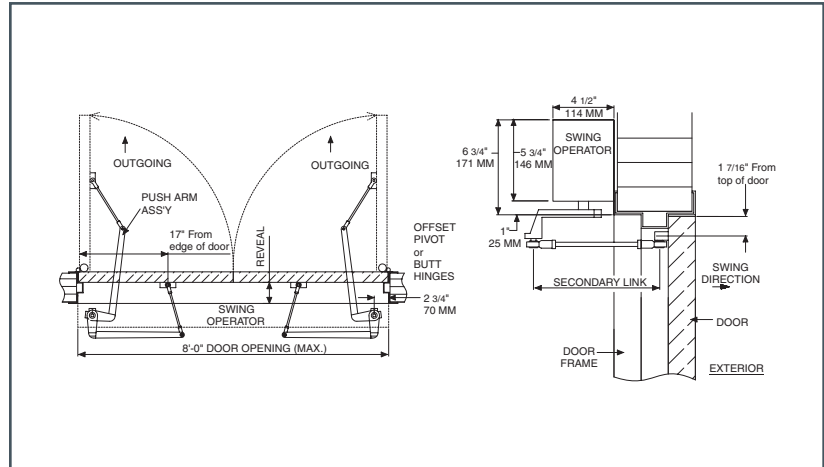


● AVAILABLE
○ NOT AVAILABLE

9560 SERIES

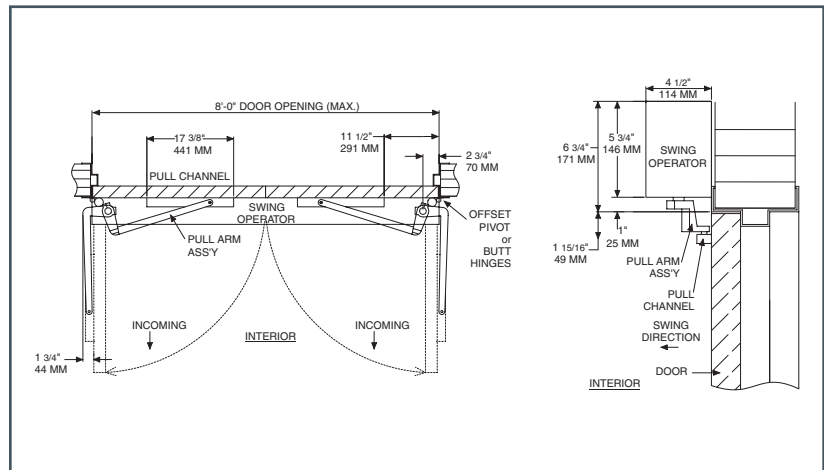
TOP JAMB INDEPENDENT PAIR (OFFSET PIVOT/BUTT HINGE, CENTER PIVOT, PUSH) MOUNTING

Consult factory for all balanced door installations.



TOP JAMB INDEPENDENT PAIR (OFFSET PIVOT/BUTT HINGE, CENTER PIVOT, PULL) MOUNTING

NOTE: Cannot be used with swing clear hinges, pocket pivots or balanced doors.



MAXIMUM OPENING

Template allows 90 degree power opening and 90 degree manual opening.

- **Butt Hinges** should not exceed 5" (127 mm) in width.
- **Reveal for push** installations should not exceed 10" (254 mm) for REGULAR ARM and 20" (508 mm) for LONG ARM.
- **Reveal for pull** installations should not exceed 4" (102 mm).
- **Reveal** for double egress installations should not exceed 4" (102 mm).
- **Head Frame** minimum 1-3/4" (44 mm). Face frame 6-3/4" (171 mm) total operator clearance.
- **Top Rail** minimum 2-3/4" (70 mm).
- **Opening & Closing Time** are variable by adjustments to the electronic control box. Maximum hold open time adjustable up to approximately 32 seconds.
- **System Diagram** see "AUTOMATIC OPERATORS" section pages 53 for typical system wiring and page 56 for electrical data.

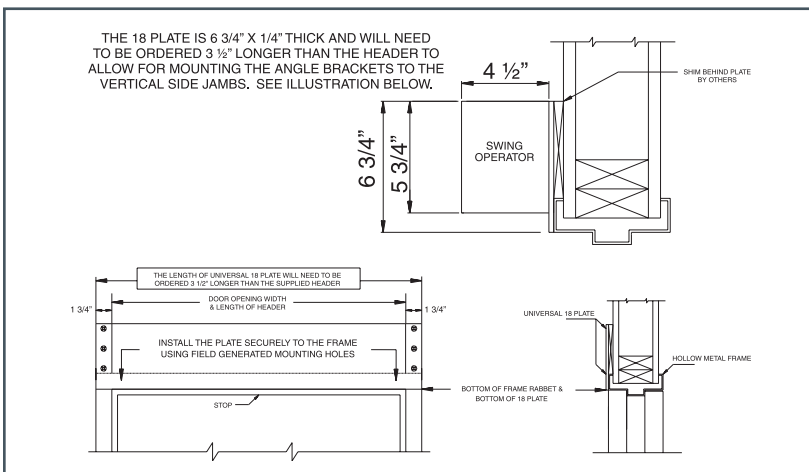
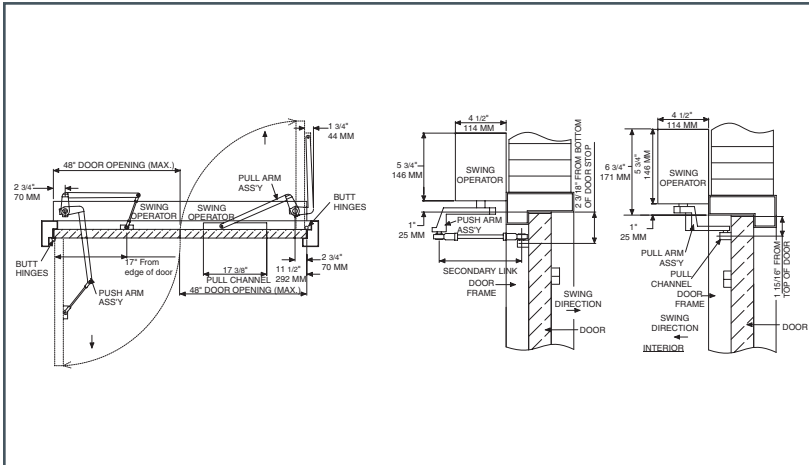
Contact LCN Product Support for assistance.

9560 SERIES

TOP JAMB INDEPENDENT PAIR (RH DOUBLE EGRESS) MOUNTING

NOTE: Cannot be used with swing clear hinges, pocket pivots or balanced doors.

HOLLOW METAL FRAME Suggested Installation.



MAXIMUM OPENING

Template allows 90 degree power opening and 90 degree manual opening.

- **Butt Hinges** should not exceed 5" (127 mm) in width.
- **Reveal for push** installations should not exceed 10" (254 mm) for REGULAR ARM and 20" (508 mm) for LONG ARM.
- **Reveal for pull** installations should not exceed 4" (102 mm).
- **Reveal** for double egress installations should not exceed 4" (102 mm).
- **Head Frame** minimum 1-3/4" (44 mm). Face frame 6-3/4" (171 mm) total operator clearance.
- **Top Rail** minimum 2-3/4" (70 mm).
- **Opening & Closing Time** are variable by adjustments to the electronic control box. Maximum hold open time adjustable up to approximately 32 seconds.
- **System Diagram** see "AUTOMATIC OPERATORS" section pages 53 for typical system wiring and page 56 for electrical data.

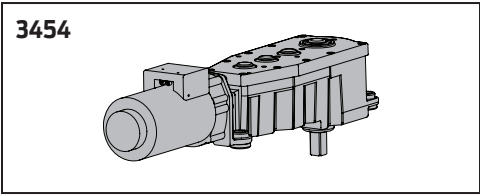
Contact LCN Product Support for assistance.

9560 SERIES

MOTOR GEARBOX

MOTOR GEARBOX – SENIOR SWING, 9560-3454

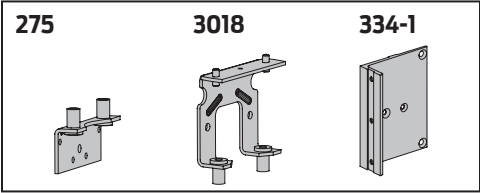
Driving mechanism for operator. Provides 15 lbs opening force. Handed.



MOUNTING BRACKETS

MOUNTING BRACKET – 2-3/4", 9560-275

Motor gearbox mounting bracket for 2-3/4" offset pivot or butt hinge installations. Front bracket.

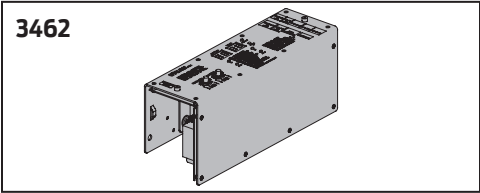


REAR MOUNT BRACKET, 9560-3018

Motor gearbox mounting bracket. Rear bracket.

ANGLED BRACKET, 9560-334-1

Mounting bracket for surface applications. (Includes 2 mounting brackets).



CONTROL BOXES

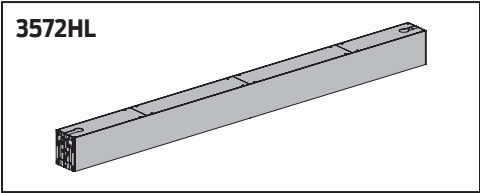
CONTROL BOX – SENIOR SWING, 9560-3462

Electronic controlling device for Senior Swing.

HEADERS

HEADER, 9560-3572HL

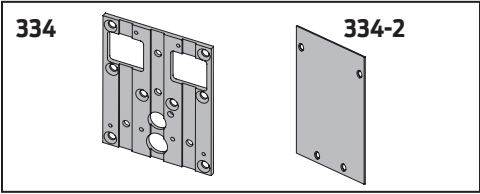
Standard, mounting header. Pair door, two operators. Specify length 65" to 98" maximum.



END CAPS

HEADER END CAPS, 9560-334

End cap with openings for wiring.



END DRESS PLATE, 9560-334-2

Metal finish end cap.

9560 SERIES

ARMS

STANDARD ARM ASSEMBLY, 9560-3077PLCM

Handed arm. (Includes 3077 regular arm assembly, 3038 track, and 3034 track roller).

REGULAR ARM ASSEMBLY, 9560-3077

Handed arm. (Includes 77 main arm and 79 linkage assembly).

REGULAR LONG ARM ASSEMBLY, 9560-3077L

Handed arm. (Includes 77 main arm assembly and 79LR linkage assembly).

STANDARD ARM, 9560-3077T

Handed arm. Track roller not included.

MAIN ARM, 9560-77

Handed arm attaches to motor gearbox.

LINKAGE ASSEMBLY – 15", 9560-79

Threaded rod attaches to door. Extends from main arm.

LINKAGE ASSEMBLY – 32", 9560-79LR

Threaded long rod attaches to door. Extends from main arm. Used for reveal 10" to 20".

TRACKS

TRACK 9560-3038

Standard non-handed track.

TRACK END CAP 9560-73

Black plastic end caps.

ROLLER, 9560-3034

Quiet low friction roller assembly.

INSTALLATION ACCESSORIES

SPINDLE PLATE – 2-3/4", 9560-11A

Hides bottom of motor gearbox. Completes header box. Cutout allows for motor gearbox shaft. For 2-3/4" offset pivot or butt hinge installations.

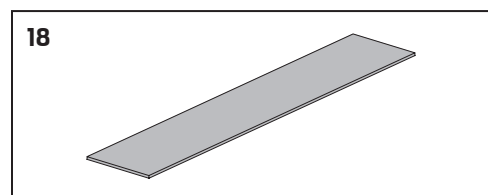
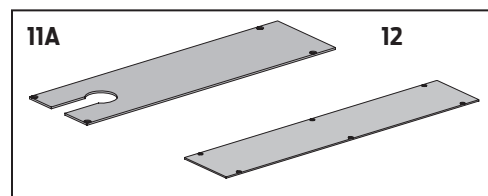
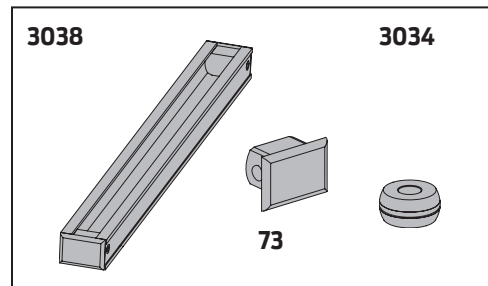
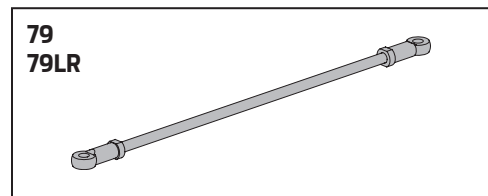
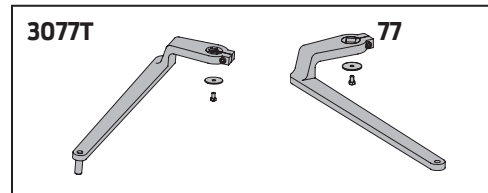
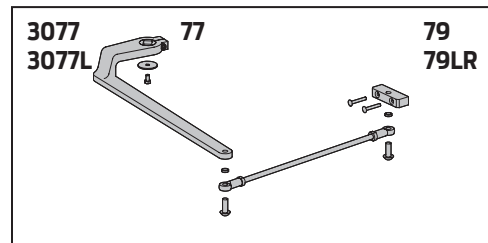
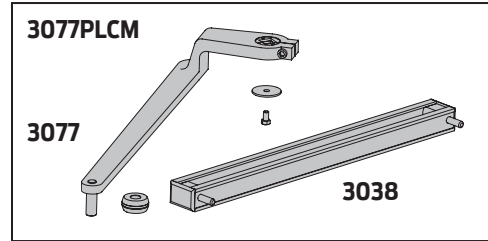
FILLER PLATE BLANK, 9560-12

Completes length of header box. (Specify length).

MOUNTING PLATE, 9560-18

Optional mounting plate for standard hollow metal door frames. Specify length 68-1/2" to 101-1/2" maximum when using angle brackets. Specify length 65" to 98" maximum when using dress plates.

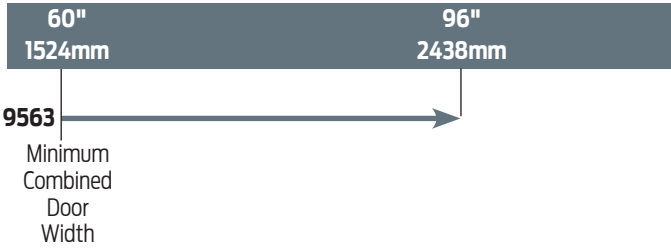
NOTE: The length of a universal 18 plate will need to be ordered 3-1/2" longer than the supplied header.



9560 SERIES

TABLE OF SIZES

COMBINED DOOR WIDTH



→ Indicates recommended range of door width for operator.

NOTE: For all Senior Swing Series.
Independent Pair – Width per leaf 30” minimum to 48” maximum.

HOW-TO-ORDER 9560 SERIES OPERATORS

1. SPECIFY HAND

- RH
- LH

2. SPECIFY HEADER / LENGTH

- HL_ (Specify length 65” to 98”)
regular or long arm

3. SPECIFY FINISH

- Standard Anodized Finish _____
Aluminum or Dark Bronze

Operator will be shipped with:

- STANDARD MOTOR GEARBOX (SF) (2 ea),
- STANDARD CONTROL BOX (SC),
- METAL COVER (at specified length 72” standard),
- REGULAR ARM (2 ea),
- 2-3/4” PIVOT POINT,
- MACHINE SCREW PACK

OPERATOR OPTIONS

MOUNTING PLATE

- Plate, ____ (Specify Length 65” to 101-1/2”)

ARM

- Standard Arm (2 ea)
w/Standard Track (2 ea)
- Double Egress
Includes Standard Arm w/Track (1 ea)
& Regular Arm (1 ea)
- Long Arm (3077L)