



48375092

Push Arm & Rod Assembly

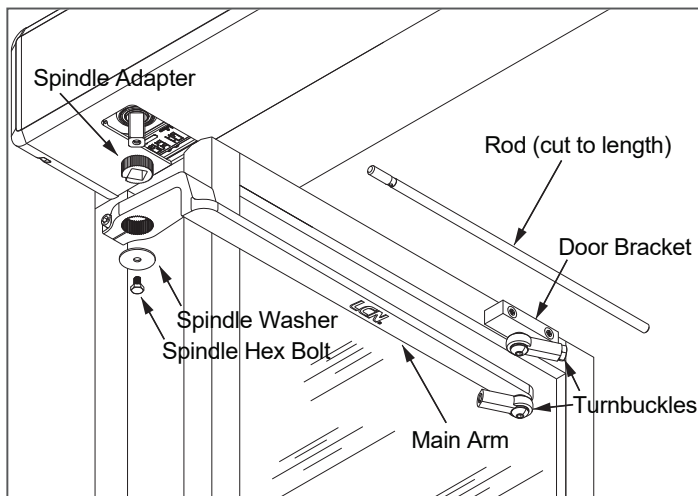
LCN®

Models 9540IQ, 9550IQ, 9560IQ

Installation Instructions

Push Arm Installation

- 1a Using the SRSW IQ Surface Mount Installation Instructions (PN: 48104378), follow all installation steps until Step 10 is reached
- ① **NOTE: Ensure that the 3-Position Switch is set to the “HO” state and that the spindle of the motor has rotated to a complete stop before continuing with the Arm Installation Instructions (alternatively, ensure activation wires are wire-nutted together). The blue LED on the Control Box will indicate that Hold Open is active. The arm must be attached to the spindle at the full open position of the Gearmotor.**
- 1b Using the appropriate arm chart, measure and cut the threaded rod (or slide to adjust the telescoping rod). Rod length is determined by measuring the reveal dimension (in inches) from the surface of the door to which the arm is attached to the frame face (or operator mounting surface). Using the horizontal scale (in inches), follow the vertical line of the reveal dimension upwards until it intersects the slanted line. Reading to the left of the vertical scale will determine the distance required between centers of the rod turnbuckles (round value to nearest 1/4 inch). **The threaded rod will need to be cut 1-1/4 inch shorter than the chart value to achieve correct turnbuckle center distance.**
- ① **NOTE: DO NOT CUT THE THREADED ROD FROM THE END WITH THE HOLE. The threaded rod is a custom component. If incorrectly cut, a new threaded rod will have to be ordered from the factory.**
- 1c Prep the door and install the door bracket, ensuring the bracket is installed above the turnbuckle as shown in the templates. Use table below for required door prep.
- 1d Place the door in the open position. The door must remain at the full open position (+90°) during the arm installation.
- 1e Install the spindle adapter into the arm as required. (See appropriate template.)
- 1f Ensuring the operator is still in the “HO” state, install the main arm on to the Gearmotor spindle and tighten the hex socket bolt on the arm. Ensure that the main arm is installed close to parallel with the open door face.
- 1g Screw the cut-to-length threaded rod into both turnbuckles simultaneously until the door reaches the +90° position. If using the telescoping rod, adjust the tube assembly to the +90° door position.
- 1h Flip the 3-Position Switch back to “AUTO” (or remove wire nut from activation leads). In a few seconds the door and connected arm will swing closed.
- 1i Wire nut activation wires to activate device. (Reference Control Box instructions Part #48348385, Figure 3-5: P6 and P7 headers.) Test door operation. Ensure door opens fully to +90°. If the door does not open to +90°, check that “HO” position was used to install the main arm, adjust the length of the cut rod, or reorient the spindle adapter.
- 1j If no further adjustments are needed, secure the main arm to the spindle by installing the washer and hex bolt. Return to the Senior Swing IQ Surface Applied instructions Part #48104378. Full door calibration will occur later.



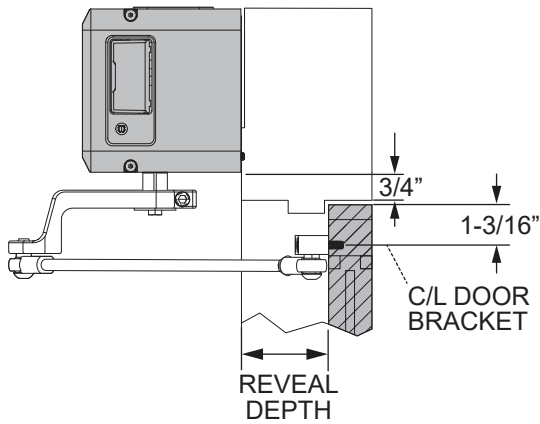
ITEMS INCLUDED IN SCREW BAG FOR PUSH ARM ATTACHMENT

Item	Quantity
Washer for Arm Attachment	1
1/4-28 x 0.43 Hex Screw for Arm Attachment	1
Through Bolt	2
1/4-20 x 1-1/2 PH Machine Screw	2

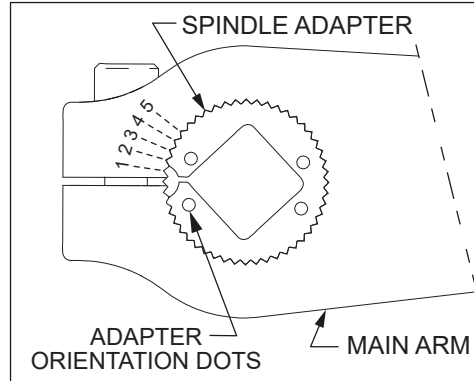
DOOR PREP TO MOUNT DOOR BRACKET DRILL AND TAP OR THROUGH BOLT

Drill and Tap Method	Through Bolt Method
Metal Doors: #7 or 13/64" Drill Bit and 1/4-20 Tap Required	Metal Doors: 3/8" Drill Bit Required
Wood Doors: 1/8" Drill Bit Required	Wood Doors: 3/8" Drill Bit Required

Installation Template Offset Pivoted or Butt Hinged Doors



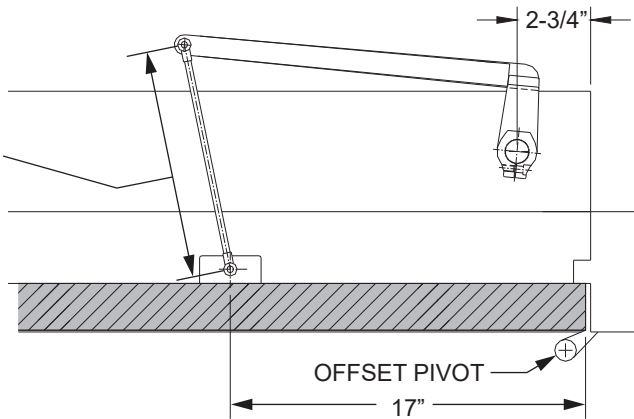
ADJUST SPINDLE ADAPTER POSITION



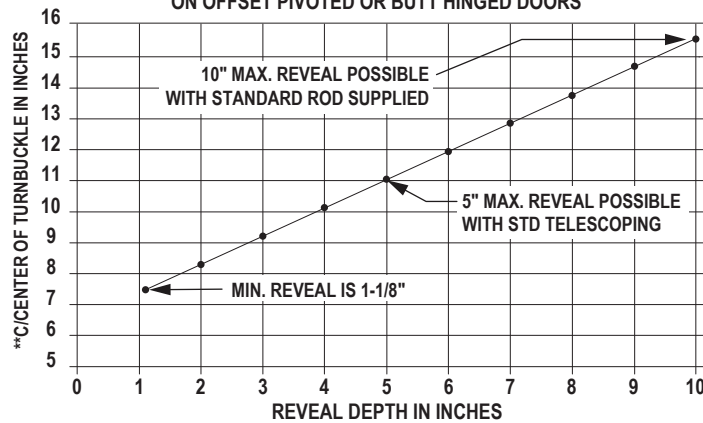
NOTES:

1. Adapter is factory installed so that slot is two notches off of centerline.
2. Re-align adapter so that slots line up as shown.
3. Ensure four Adapter Orientation Dots remain facing up.

**Center-to-center of Turnbuckle per chart

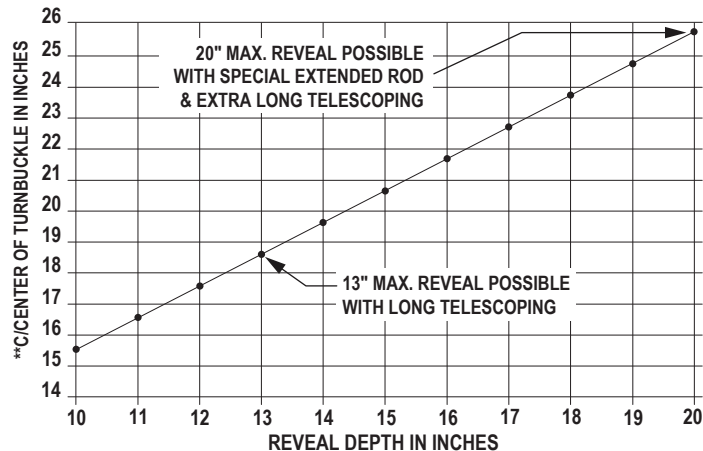


FOR SURFACE APPLIED OPERATORS WITH PUSH ARMS ON OFFSET PIVOTED OR BUTT HINGED DOORS

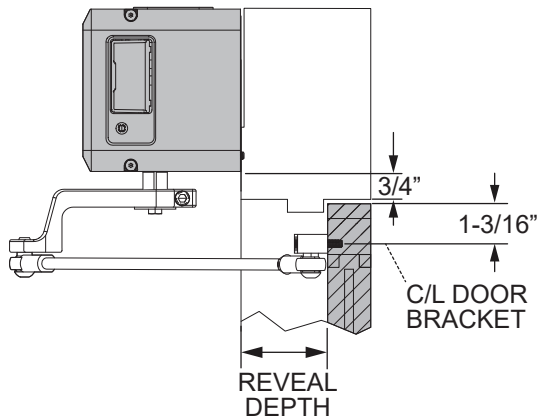


**The threaded rod will need to be cut 1-1/4" shorter than the chart value to achieve correct turnbuckle center-to-center distance

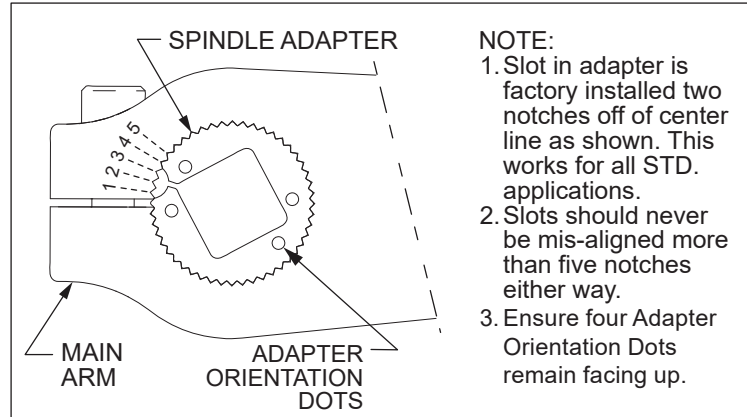
⚠ DO NOT CUT THREADED ROD FROM END WITH HOLE



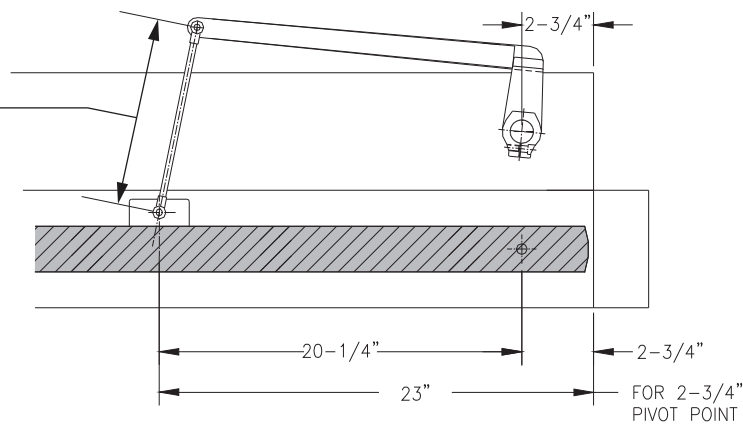
Installation Template 2 3/4" Center Pivoted Doors



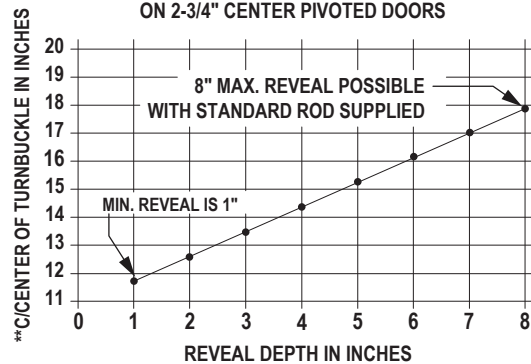
ADJUST SPINDLE ADAPTER POSITION



**Center-to-center of Turnbuckle per chart

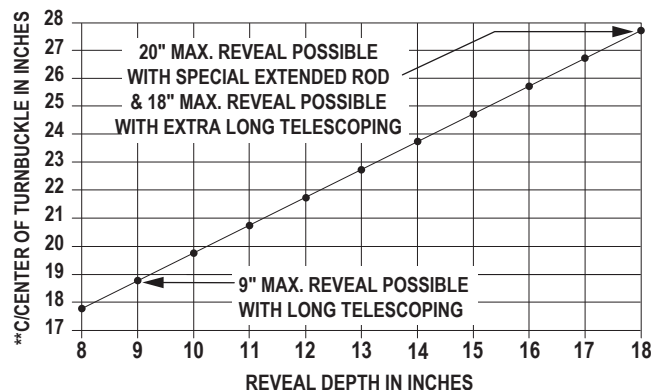


FOR SURFACE APPLIED OPERATORS WITH PUSH ARMS ON 2-3/4" CENTER PIVOTED DOORS

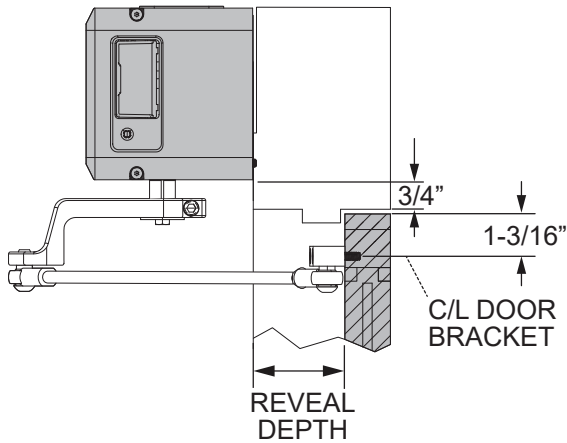


**The threaded rod will need to be cut 1-1/4" shorter than the chart value to achieve correct turnbuckle center-to-center distance.

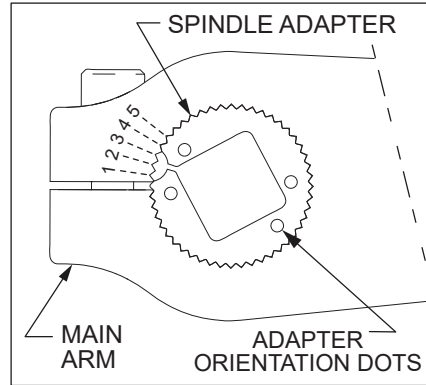
⚠ DO NOT CUT THREADED ROD FROM END WITH HOLE



Installation Template 3 3/4" Center Pivoted Doors

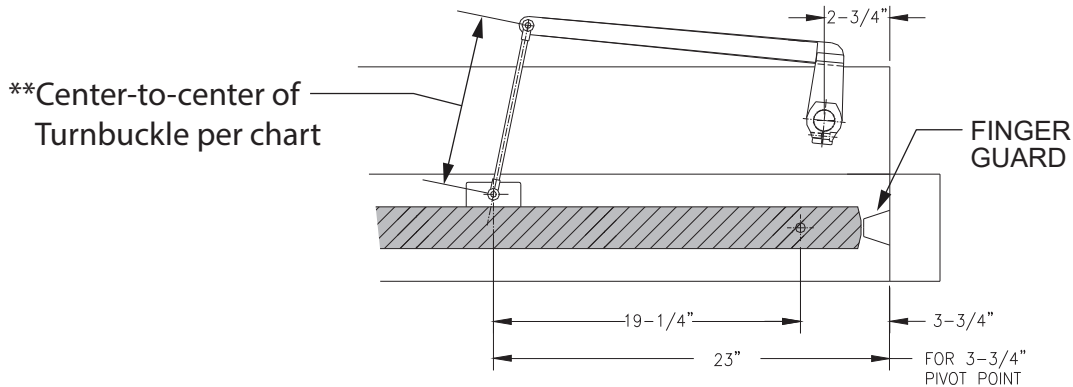


ADJUST SPINDLE ADAPTER POSITION

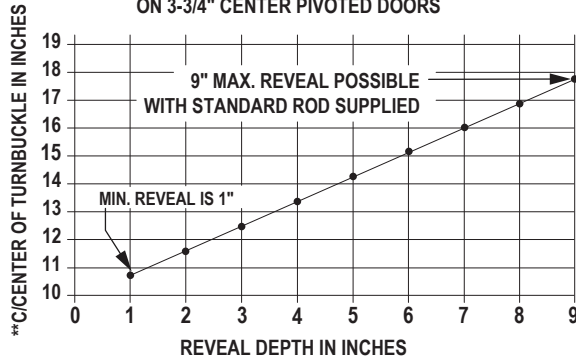


NOTE:

1. Slot in adapter is factory installed two notches off of center line as shown. This works for all STD. applications.
2. Slots should never be mis-aligned more than five notches either way.
3. Ensure four Adapter Orientation Dots remain facing up.

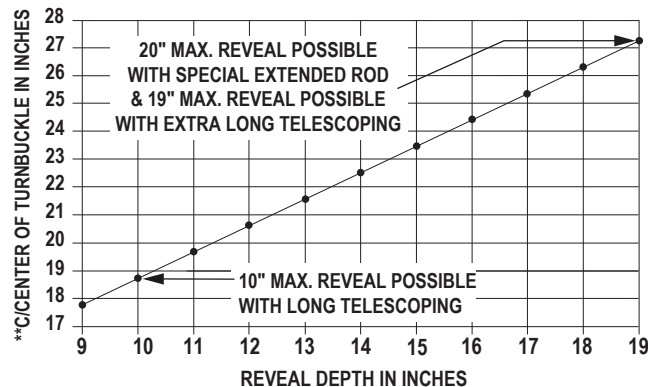


FOR SURFACE APPLIED OPERATORS WITH PUSH ARMS ON 3-3/4" CENTER PIVOTED DOORS



**The threaded rod will need to be cut 1-1/4" shorter than the chart value to achieve correct turnbuckle center-to-center distance.

⚠ DO NOT CUT THREADED ROD FROM END WITH HOLE



Customer Service

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