

**Template**

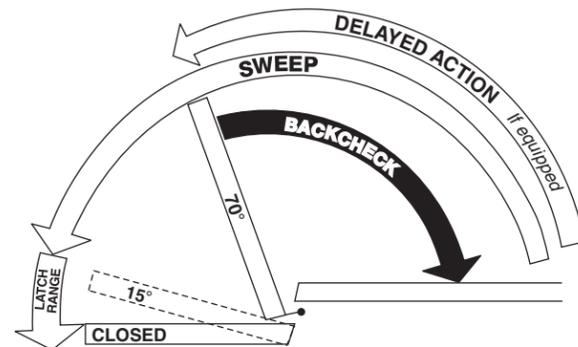


This Set Screw Is On Selector Hold-open Types Only

Closing speeds can be adjusted to suit local conditions and requirements. Label on closer face designates the purpose of each adjustment screw. Adjustments are for speed control.

Do not use Backcheck as deadstop. This is an intensity valve not speed control.

- A. The Delay Action valve allows adjustment from full open to 65° closed position. (Optional)
- B. The Closing Speed valve allows adjustment from full open to 15° on units without the Delay Action feature.
- C. The Closing Speed valve allows adjustment from 65° to 15° closed position on closers with Delay Action feature.
- D. Latch valve allows adjustment from 15° to closed position.
- E. Important: Backcheck adjustment must be adjusted to vary resistance from light to firm at 60° of door open.



**Closer Type**

This closer is one of three types as follows:

- 1. Non hold-open factory set. No hold-open adjustments.
- 2. Automatic hold-open factory set. No hold-open adjustment.
- 3. Selective (on-off) hold-open label will indicate position of on-off selector screw. When turned "on", closer has automatic hold-open: turned "off", hold-open will not function. Turn full 180°.

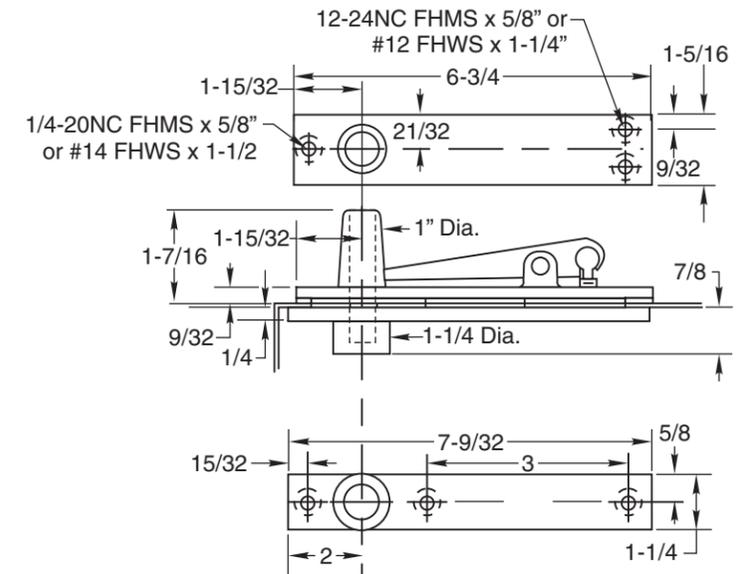
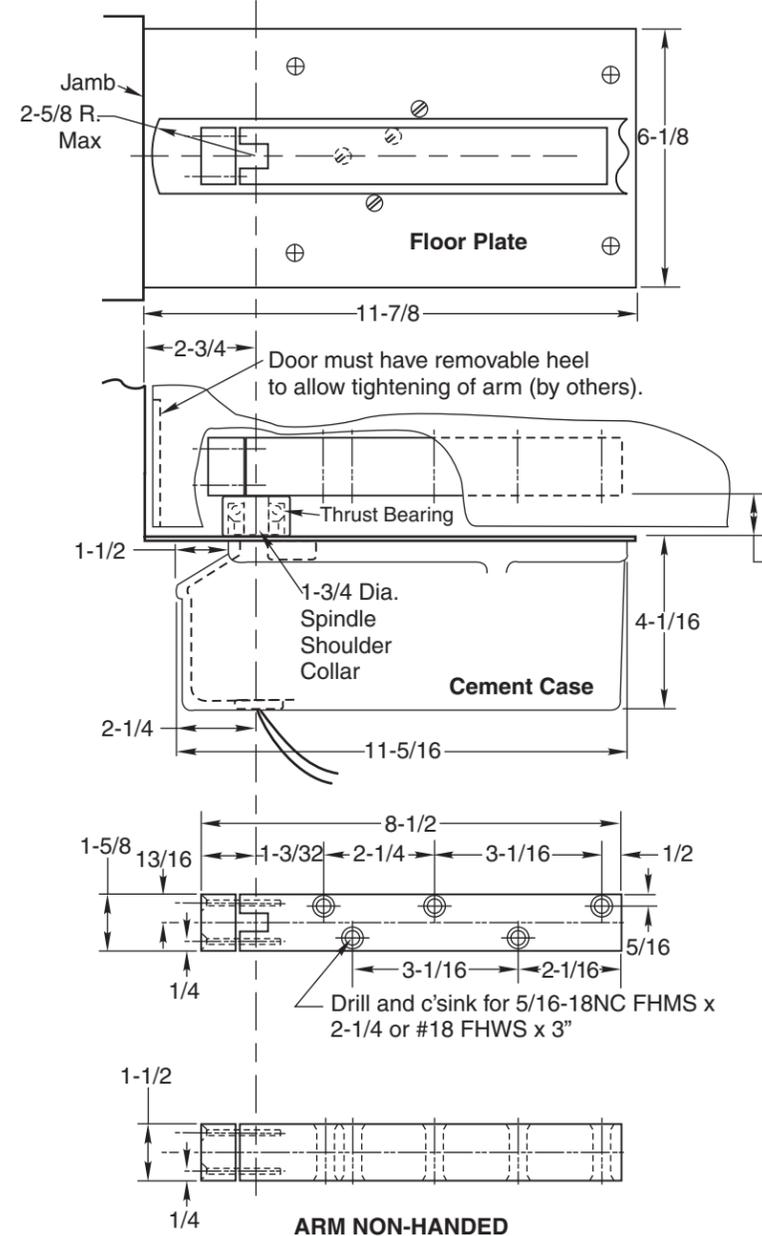
**Spring Power Adjustments**

This closer can be adjusted for increased or decreased spring power.

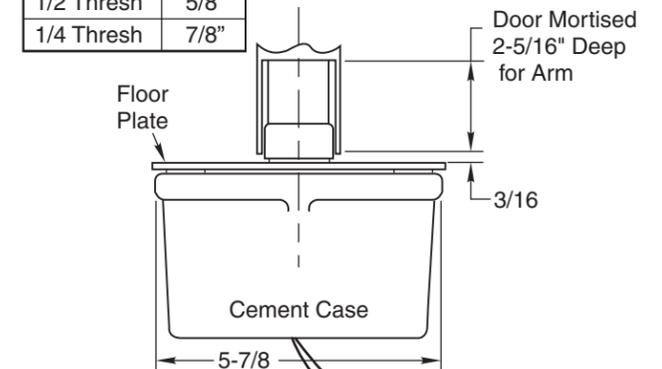
These adjustments if required should be done by an authorized repair agency.

Repairs, parts replacement or internal adjustments must be done by a Rixson authorized repair agency. Consult [www.rixson.com](http://www.rixson.com) for an authorized repair agency in your area.

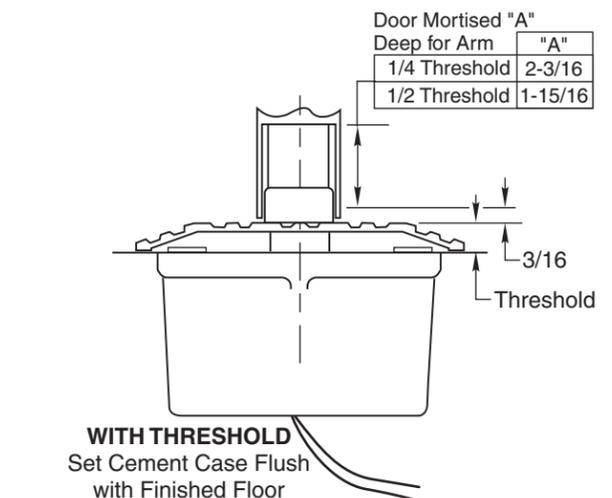
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Max. Door Clearance	
Floor Plate	1"
1/2 Thresh	5/8"
1/4 Thresh	7/8"

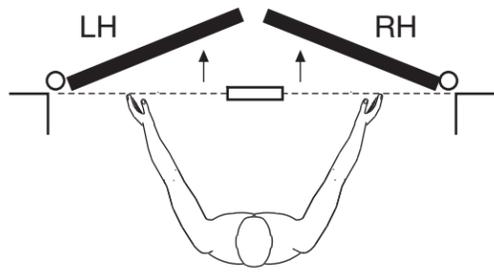


**WITH FLOOR PLATE**  
Set Cement Case 1/8" Below  
Surface of Finished Floor

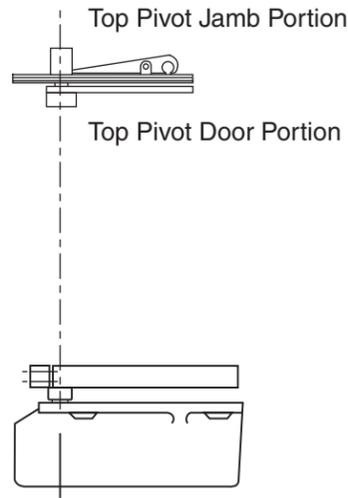


Conversion from inches to metric: inch x 25.4.  
Suitable reinforcing by others.  
Rixson designed threshold available on request.  
This template is for a 2" thick door or larger.  
For 1-3/4" thick doors specify SP Layout 587.  
For Wood Doors: Pre-drill arm and top pivot holes to prevent splitting.

### How To Determine Hand of Door



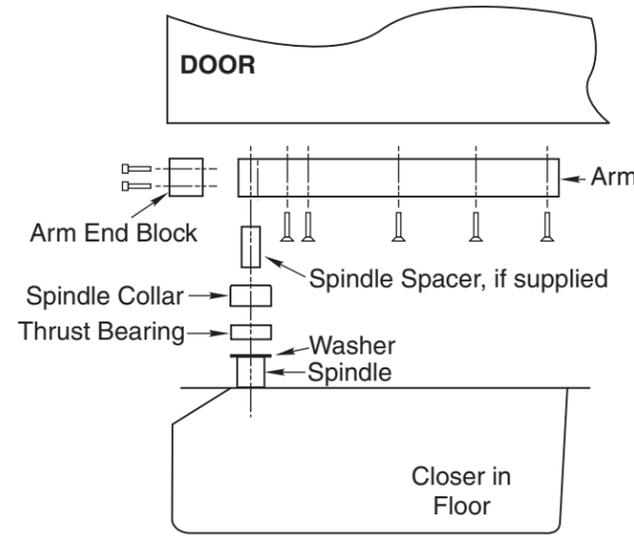
Face a door swinging open away from you. If it opens to the right, it is right hand. If it opens to the left, it is left hand.



**IMPORTANT:**

Use plumb line to make sure that center line of top pivot pin lines up with center line of closer spindle.

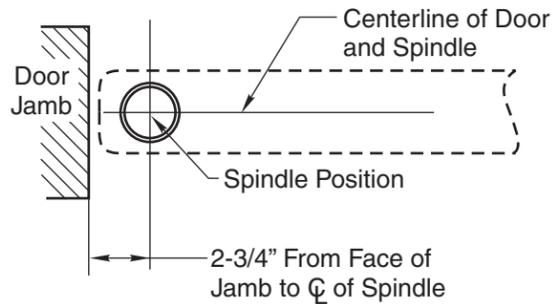
### 3. Install Pivot and Closer Arm



- A. Install top pivot in door per template.
- B. Install top pivot in jamb per template.
- C. Centerline of pivot pin should line up with centerline of spindle. Use plumb line to assure accuracy.
- D. Mortise door for arm.
- E. Attach wires from door to wires in spindle.
- F. Install arm in bottom of door.

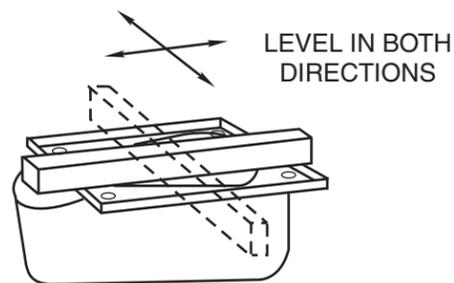
## Installation Instructions

### 1. Locating Closer



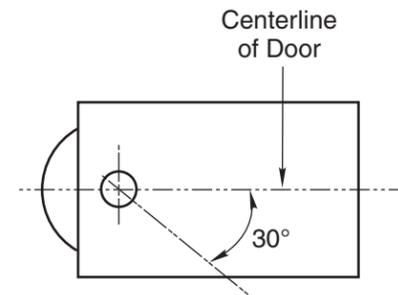
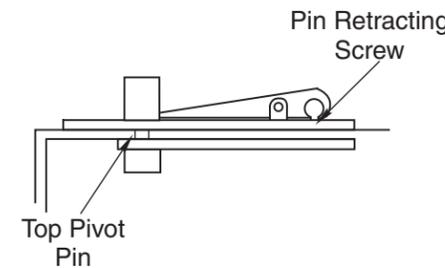
- A. Measure 2-3/4" out from door jamb on centerline of door. This is the location of the spindle center.
- B. Run conduit to closer cutout.
- C. Attach building wires to wires coming out of underside of closer.

### 2. Install Cement Case in Floor



- A. For floor plate application: Cement case is set 1/8" (3.2mm) below floor level.
- B. For threshold application: Cement case is set flush with floor.
- C. Set cement case in floor and block in position.
- D. Case should be parallel with center line of door.
- E. CEMENT CASE SHOULD BE LEVEL. Place levels per illustration.
- F. Grout in cement case with closer. Cement should not get between closer and case.

### 4. Hang Door



- CAUTION:** Closer is shipped with valve screws down. DO NOT FORCE VALVES DOWN.
- A. Retract top pivot pin by turning retracting pin screw counterclockwise. (see illustration)
  - B. Turn spindle to 30° open position. (see illustration)
  - C. Slide door on spindle. DO NOT ATTEMPT TO CLOSE DOOR. Attach arm cap but do not tighten.
  - D. Line up two portions of top pivot and turn pin retracting screw clockwise.
  - E. Tighten arm end block screws.
  - F. Open door to 60° or more and open screw valve by turning screw counterclockwise. Door will then close.