RIXSON
ASSA ABLOY

Installation Instructions
50W (06-09)

W50 Floor Closer
Center Hung
Single or Double Acting
Non-Handed
Wood Door Installation

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.

A. The stroke valve allows adjustment from open to 15°.
B. The latch valve allows adjustment from 15° to closed position.
C. IMPORTANT: Back check valve option must be adjusted to vary resistance from light to firm at 70° of door opening.
D. The delay valve option allows closing speed adjustment from open position to 65°.

Repairs, parts replacement or internal adjustments must be done by a Rixson authorized repair agency. Consult www.rixson.com for an authorized repair agency in your area.
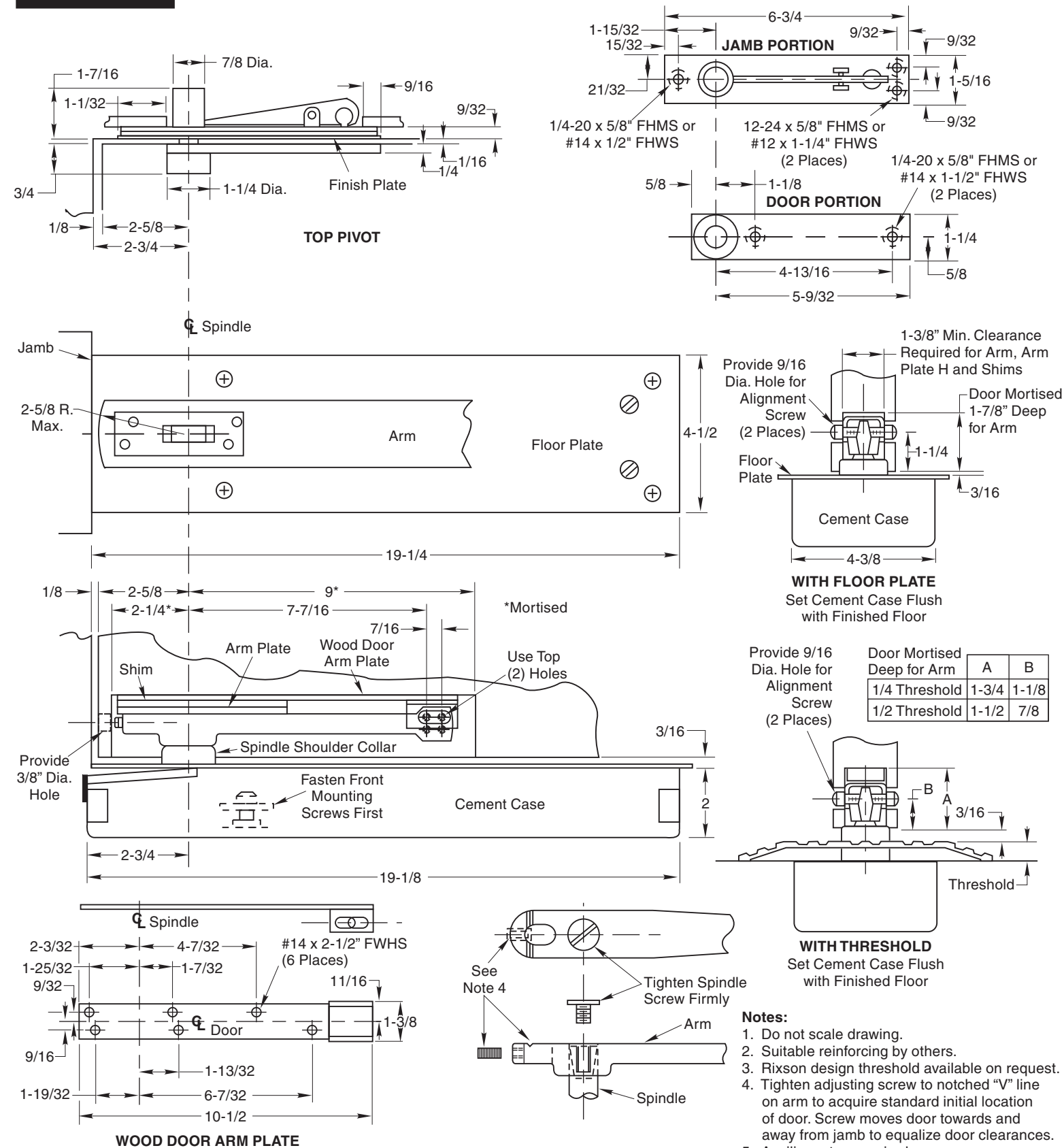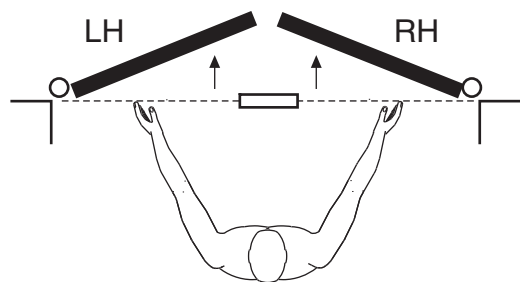
Template

Door Mortised Deep for Arm

Door Mortised Deep for Arm	A	B
1/4 Threshold	1-3/4	1-1/8
1/2 Threshold	1-1/2	7/8

Notes:
1. Do not scale drawing.
2. Suitable reinforcing by others.
3. Rixson design threshold available on request.
4. Tighten adjusting screw to notched "V" line on arm to acquire standard initial location of door. Screw moves door towards and away from jamb to equalize door clearances.
5. Auxiliary stop required.
6. All dimensions given in inches.

Conversion from inches to metric: inch x 25.4.
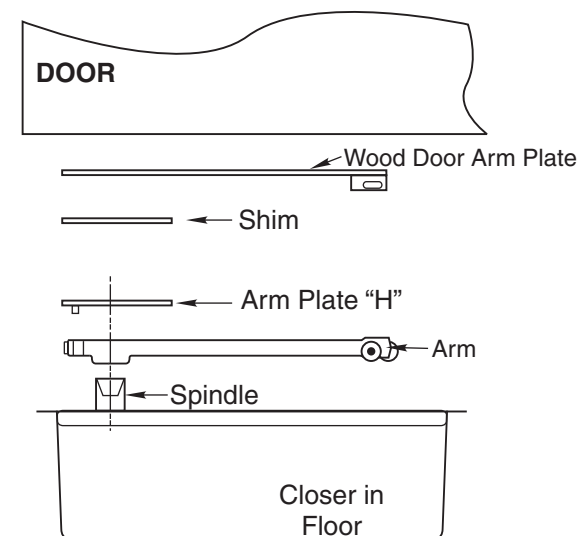
RIXSON®
ASSA ABLOY

How To Determine Hand of Door

LH   RH

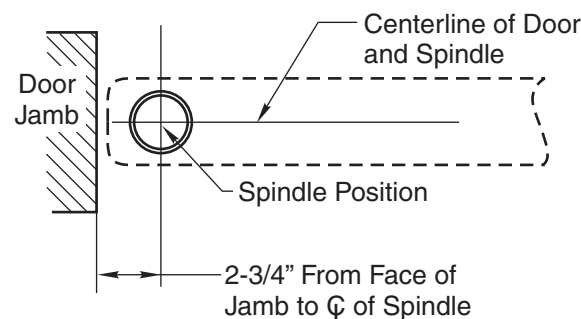Face a door swinging open away from you. If it opens to the right, it is right hand. If it opens to the left, it is left hand.

Top Pivot Jamb Portion

Top Pivot Door Portion

Wood Door Arm Plate

Shim

Arm Plate "H"

Adjusting Screw

Arm Plate "H"

Alignment Screws

IMPORTANT:

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

Installation Instructions

1. Locating Closer

Centerline of Door and Spindle

Door Jamb

Spindle Position

2-3/4" From Face of Jamb to C of Spindle

A. Measure 2-3/4" out from door jamb on centerline of door. This is the location of the spindle center.

2. Install Cement Case in Floor

LEVEL IN BOTH DIRECTIONS

A. Cement case is set flush with finished floor.

B. Set cement case in floor and block in position.

C. Case should be parallel with center line of door.

D. CEMENT CASE SHOULD BE LEVEL. Place levels per Illustration.

E. Grout in cement case with closer. Cement should not get between closer and case.

3. Install Top Pivot and Closer Arm

DOOR

Wood Door Arm Plate

Shim

Arm Plate "H"

Arm

Spindle

Closer in Floor

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. If center lines don't line up, loosen hold down screws (4) and reposition closer. Tighten hold down screws closest to spindle first. Then tighten screws at cylinder end. Note: Closer must be lifted approx. 1/8" before repositioning.

D. Mortise door for arm, arm plate H, and wood door arm plate. Refer to template.

E. Drill two 9/16" dia. holes for arm alignment screws. Drill 3/8" hole at heel edge of door for adjusting screw.

F. Attach arm to spindle using spindle screw supplied and tighten securely. Install arm plate H, wood door arm plate, and shim.
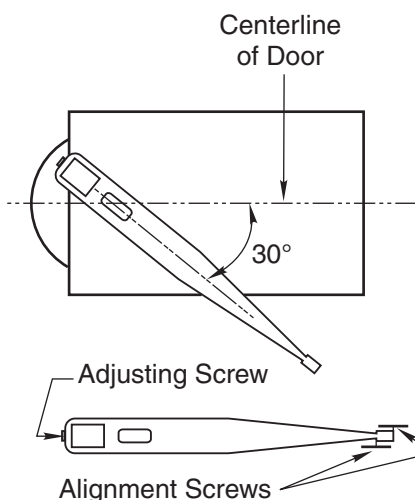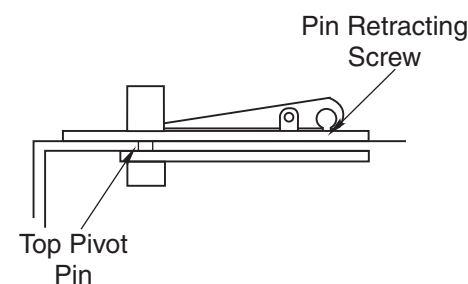
4. Hang Door

Pin Retracting Screw

Top Pivot Pin

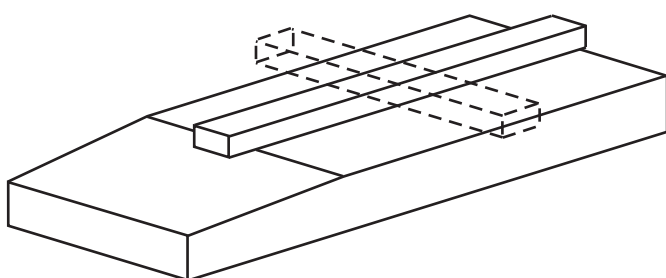Centerline of Door

30°

Adjusting Screw

Alignment Screws

CAUTION: Closer is shipped with "valve" screws down. DO NOT FORCE VALVE DOWN.

A. Close both valve screws. NEVER FORCE VALVE SCREW DOWN AS THIS WILL DAMAGE TIP SEATING.

B. With arm on spindle, turn spindle until arm is in 30° open position (see illustration).

C. Set door on spindle. DO NOT ATTEMPT TO CLOSE DOOR.

D. Align two portions of top pivot and turn pin retracting screw clockwise to engage top pivot pin.

E. Open door to 60° or more and turn valve screws counterclockwise. Door will then close.

F. If necessary, turn adjusting screw at bottom of heel edge of door to equalize side jamb clearances.

G. Adjust arm alignment screws equally from each side to center door in doorway.