Notes:

1. Do not scal
2. Dimensions
3. Arm And To
   1" FHMS C
4. For Wood D
   Holes To Pr
5. If Vertical A
   (1.6) Shims
   Between Ar
6. Maximum D
   Is 180°. Su
   Lead Lining

★ Bevel Note:
Bevel Edge Of Door
1/8 (3.2) In 2 (50.8)

13/16 (20.6)

3/4 (19)

3/16 (4.8)

Scribe To Fit On Job

1/8 (3.2) Min. Clearance Required Between Door & Stop

See Bevel Note ★

Arm

Jamb

Floor Plate

5-5/32 (131) Cement Case

5-9/32 (134.1) Floor Plate

3/4 (19)

1-3/4 (44.5) Arm Cut-Out

5-1/16 (128.6) Cement Case

5-1/8 (130.2) Floor Plate

Thrust Bearing

1/2 (12.7)

Ø 1-3/4 (44.5)

Spindle Shoulder Collar

2-3/8 (60.3)

1 (25.4)

Ø 1-5/8 (41.3)

7-3/4 (196.9)
7-1/4 (184.2)
6-1/2 (165.1)
5-1/4 (133.4)
4-1/2 (114.3)
3-1/4 (82.6)
2-1/2 (63.5)
1-1/4 (31.8)

5/16 (7.9)

A

1/2 (12.7)

3/4 (19)

B

5/16 (7.9)

1-1/4 (31.8)

Arm Cap
Arm Locking Screw

4-1/4 (108)
3-9/16 (90.5)
2-15/16 (74.6)
2-5/16 (58.7)
1-11/16 (42.9)
1-1/16 (27)
7/16 (11.1)

5/16 (7.9)

A

1-5/8 (41.3)

60°

B

5/16 (7.9)

3/4 (19)

13/16 (20.6)

3/4 (19)

3/8 R (9.5)

5/8 R (15.9)

3/4 (19)

3/8 (9.5)

3/4 (19)

Jamb Leaf

3/8 (9.5)

3/8 (9.5)

1/16 (1.6)

Door Leaf

3/4 (19)

1-1/16 (27)

Door Mortised 1-5/16 (33.3) Deep for Arm

1-1/16 (27)

Width across corners of Hexagon concrete anchors measures 1/2 (12.7).

7/16 (11.1)

3/16 (4.8)

With Floor Plate
Set cement case 1/16 (1.6) below surface of finished floor

3/4 (19)

1-1/16 (27)

With Thresh
Set Cement Case Flush W
To Maintain Proper Clea
1/16 (1.6) Shim Between
Bearing Wa

Note:
For Door Thickness Not Listed, Use Next Size Smaller Door Size For Preparation.

Door Size	A	B	Max. Lead Th'k
1-3/4"	1-1/4 (31.8)	1/4 (6.4)	9/32 (7.1)
2"	1-3/8 (34.9)	5/16 (7.9)	3/8 (9.5)
2-1/4"	1-1/2 (38.1)	3/8 (9.5)	15/32 (11.9)
2-1/2"	1-5/8 (41.3)	7/16 (11.1)	9/16 (14.3)
3"	2 (50.8)	1/2 (12.7)	3/4 (19)

Table Is Based On Lead Being Placed In Center Of Door.

NUMBE

L 117 Heavy Duty Pivot Set

Offset Hung

Determine Hand of Door

LH   RH
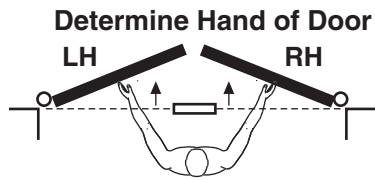
1. Locate Pivot

A. Measure 13/16 (20.6) from door jamb.

B. Allow 1/8 (3.2) minimum clearance from door stop to door face. Measure door thickness; add 3/4 (19).
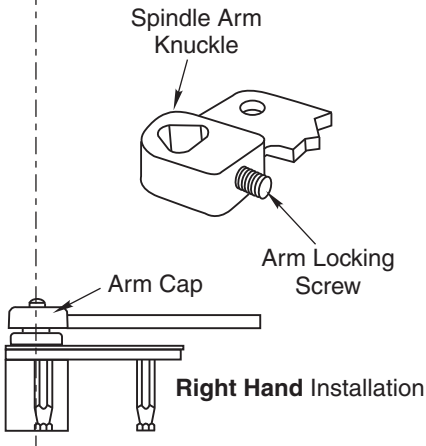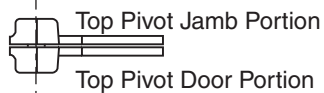
C. Where lines meet determines centerline of pivot.

Door Stop

Door Jamb

1/8" Minimum From Face of Door to Door Stop

Right Hand Door

3/4 (19) From Face of Door to ℄ of Spindle

Spindle Position

13/16 (20.6) From Face of Jamb to ℄ of Spindle
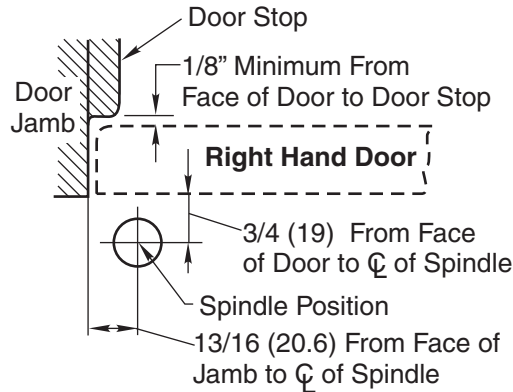
F. Grout in cement case with bottom pivot. Cement should not get between pivot and cement case.

G. A dummy steel floor plate is provided in the event that grinding of floors is necessary.

3. Install Top Pivot And Pivot Arm

A. Install top pivot in door per template.

B. Install top pivot in frame per template.

C. Install arm in door per template.

D. Centerline of top pivot should line up with centerline of spindle.

D. I...

E. ...

F. ...

G. In...

IMPORTANT
Use plumb line to make sure that centerline of top pin lines up with centerline of Pivot Spindle.

Top Pivot Jamb Portion

Top Pivot Door Portion

Spindle Arm Knuckle

Arm Locking Screw

Arm Cap

Right Hand Installation

2. Install Cement Case In Floor

A. For floor plate application, top of cement case is located 1/16 (1.6) below the finished floor.

B. For threshold application, top of cement case is located flush with the finished floor.

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

D. Case should be parallel with centerline of door.

E. Cement case should be level. Place level per illustration.

Level In Both Directions
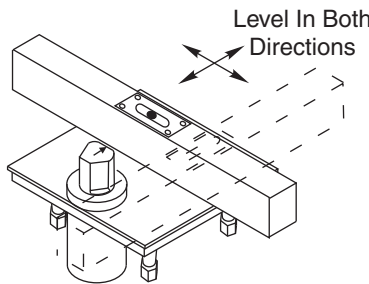
4. Hang Door

A. To facilitate hanging of door, position arrow on top of spindle so it is parallel with the opening, and pointing toward the lock jamb. This can be accomplished with the wrench provided.

B. Set door on spindle.

Arrow To Be Parallel In Opening
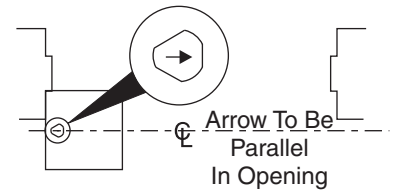
C. Push top pivot pin (1) up into place and replace cap (2).

1

2

P...
wit...

D...

NUMB...