

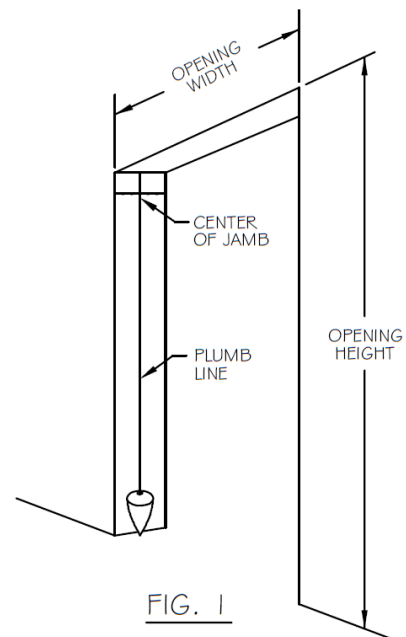
Series 1500 - General Purpose Impact Door

INSTALLATION INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE INSTALLING DOOR. SUPER SEAL MFG. LTD. WILL NOT BE HELD RESPONSIBLE FOR IMPROPER INSTALLATION OF ANCHORING DEVICES, OR FOR INSTALLATION INTO AGED OR UNSOUND CONCRETE, CONCRETE BLOCK, OR OTHER WALL OR FLOOR MATERIAL WHICH MAY RESULT IN PREMATURE PRODUCT WEAR, PRODUCT FAILURE, PROPERTY DAMAGE, OR PERSONAL INJURY.

1. Check Order

- a. **Measure door opening height and width.** Compare to Purchase Order.
- b. **Check Components List and Hardware Supplied List.** Make sure all components and hardware are present. Super Seal supplies self-drilling screws for door installation on steel jambs. For jambs other than steel, the owner/contractor must supply suitable fasteners.
- c. **Check Recommended Tools List.** Make sure all recommended tools are available.
- d. **Recommended Door Jamb:** Steel, 1/8" thick by 4.5" wide.

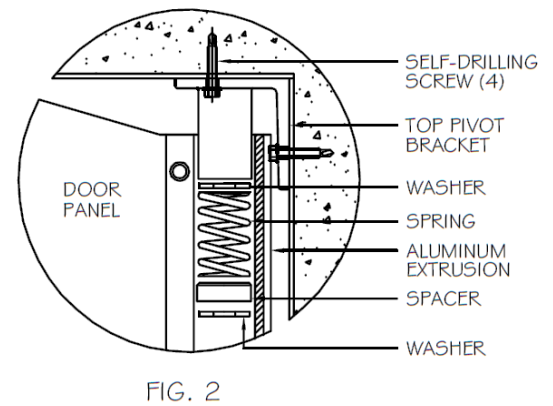


2. Prepare Door Frame

- a. **Correct door opening height and width.**
 - **Measure left and right sides** of door opening from top to bottom. The height of the left and right sides of the opening should be the same.
 - **Measure the top and bottom** of door opening from side to side. The width of the top and bottom of the opening should be the same.
 - **Prepare shims** to correct any problems.
- b. **Mark center of jamb.**
 - **Measure the jamb width** at the top of the door jamb (Figure 1).
 - **Mark the center point.**
 - **Drop a plumb line** from the center point to the floor and mark.
- c. **Mark and drill top pivot bracket holes.**
 - **Center top pivot bracket** at top of door jamb.
 - **Drill self-drilling screws** into jamb, using top pivot bracket as a template (Figure 2).
 - **Remove screws** and top pivot bracket.
- d. **Mark and drill bottom bracket holes.**

If there is no jamb guard, **line up bottom pivot bracket with the Figure 1 plumb line at the bottom of the jamb (Figure 3).**

- * **Drill self-drilling screw** into jamb. Drill and insert plugs into floor.
- * **Remove screws** and bottom pivot bracket.
- * **If there is a jamb guard**, line up jamb guard with the plumb line.
- * **Drill and fasten** jamb guard to floor with supplied anchor bolts (Figure 4).
- * **Align bottom bracket** at the top of the jamb guard, centering on the plumb line.
- * **Drill self-drilling screws** into steel jamb. Do not drill into jamb guard.
- * **Remove screws** and bottom pivot bracket.



3. Mounting Hardware to Door Frame

- a. **Insert top pivot hardware into aluminum extrusion** in the following order (Figure 2):
 - steel washer
 - spacer
 - spring
 - steel washer
 - top pivot bracket (**apply grease to pin before inserting**)
- b. **Insert bottom pivot hardware into aluminum extrusion** in the following order (Figure 3):
 - nylon cam follower
 - bottom pivot bracket (**apply grease to pin before inserting**)
- c. **For two-panel door**, repeat step for other panel.

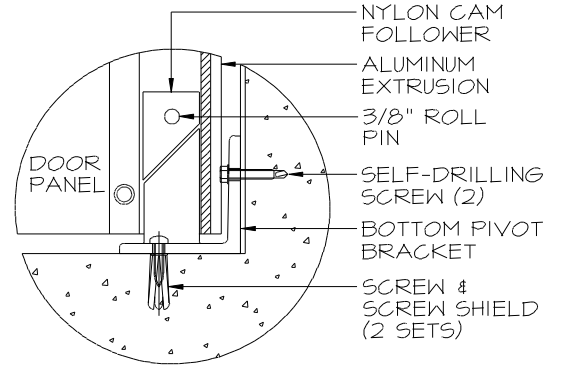


FIG. 3

4. Attach Door Panel

- a. **Lift door panel into place.**
- b. **At the top of the panel**, line up top pivot bracket with pre-drilled holes and attach (Figure 2).
- c. **At the bottom of the panel**
 - **If there is no jamb guard**, line up bottom pivot bracket with pre-drilled holes and attach.
 - **If there is a jamb guard**, line up bottom pivot bracket with pre-drilled jamb holes and attach. Do not attach bottom pivot bracket to jamb guard.
- d. **For two-panel door**, repeat step for other panel.

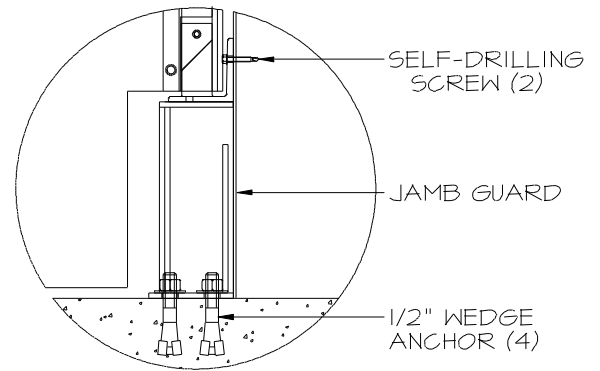


FIG. 4

5. Make Final Door Adjustment

- a. **Align first panel in door opening.**
 - Make sure **panel is level** along the top and side.
 - Make sure **panel is evenly spaced** between top and bottom of door opening.
- b. **Drill 3/8" hole** through aluminum extrusion and nylon cam follower at bottom of panel. Use 3/16" pilot hole as a guide.
- c. **Insert roll pin.**
- d. **Allow panel to swing fully in both directions.** If panel does not close in line, shim pivot brackets as needed. Repeat until panel swings properly and in line.
- e. **For two panel door**, repeat step for other panel.

THE FOLLOWING LISTS COVER BASIC INSTALLATION, NOT INCLUDING OPTIONS

Components List (per Panel)

| No. | | Qty. |
|-----|------------------------|------|
| 1 | Door Panel (Assembled) | 1 |

Hardware Supplied List (per Panel)

| No. | | Qty. |
|-----|--------------------|------|
| 2 | Top Pivot Bracket | 1 |
| 3 | Compression Spring | 1 |

| | | |
|----|------------------------------------|---|
| 4 | Spacer | 1 |
| 5 | 1/2" B.S. Washers | 2 |
| 6 | 1/4" x 1-1/2" Self-Drilling Screws | 6 |
| 7 | Bottom Pivot Bracket | 1 |
| 8 | Cam Follower | 1 |
| 9 | 3/8" x 2" Spring Pin | 1 |
| 10 | #14 x 1-1/4" Pan Head Screws | 2 |
| 11 | Rawl Nylon Plugs | 2 |
| 12 | Installation Instructions | 1 |

Recommended Tools

| Qty. | | Qty. | |
|------|--------------------------|------|-----------------------------|
| 1 | Tape Measure | 1 | 7/32" HSS Drill Bit |
| 1 | Plumb Line or Level | 1 | Hammer Drill |
| 1 | Pencil or Marker | 1 | 5/16" Masonry Drill Bit |
| 1 | Square | 1 | Hammer |
| 1 | Power Drill | 1 | #2 Robertson Screwdriver |
| 1 | 3/8" Hex Head Driver Bit | 2 | 1/2" Wrench |
| 1 | 3/8" HSS Drill Bit | | General Purpose Grease BR2+ |