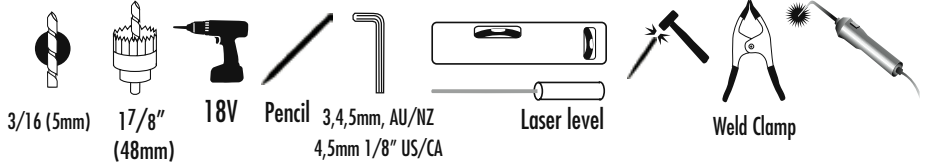


# Installation Instructions



Center Mount Models	Hole diameter	Min Post Size
<b>SM S (or W)</b>	17/8" (48mm)	2" x 2" (50 x 50mm)
<b>57 S (or W)</b>	17/8" (48mm)	2" x 2" (50 x 50mm)
<b>57SF S (or W)</b>	17/8" (48mm)	2" x 2" (50 x 50mm)
<b>108 S (or W)</b>	17/8" (48mm)	3" x 3" (75 x 75mm)
<b>108SF S (or W)</b>	17/8" (48mm)	3" x 3" (75 x 75mm)



**NOTE:** For Screw-on models use #14 or #18 countersunk through-bolts or screws.

**NOTE:** Always install SM hinge at bottom of gate and 57 or 108 closer on top.

## SCREW-ON & WELD-ON CENTER MOUNT MODELS

**1 MARKING HEIGHTS**

HINGE GAP: 2 1/2-3" (64-75mm)

Mark hinge center lines

Support Blocks

Ensure post is vertical in the front and side elevations

**2 MARK TOP & BOTTOM BRACKETS ON POST**

Laser level

❖ For Swimming Pool Gates in AU/NZ (see Page 2)

Drill 17/8" (48mm) holes in post. Paint edge of holes for corrosion resistance.

**NOTE:** Apply corrosion protection to exposed metal surfaces.

**3 FASTEN BRACKETS**

3/16 (5mm)

**WELD-ON MODELS**

**4 ASSEMBLE HINGE TO POST BRACKET**

**NOTE:** Apply grease to hinge threads to help prevent water from entering post.

Rotate hinge onto Bracket.

Back-off hinge so adjustment nozzle is facing upward.

**5**

Mark pencil lines around top and bottom Gate Bracket on the gate frame.

**6**

Place the Tool in front hole for leverage.

Rotate the Bracket 90°.

Remove screws and slide Gate Bracket away from hinge.

**7**

Return SF model to this position before refitting bracket. Tighten nozzle to slow movement and use smooth edge crescent wrench.

**IMPORTANT:** 57/108 models: Position raised ridge horizontal to fence post.

**8**

3/16" (5mm)

Mark holes in Bracket with a pencil. Center punch, drill and fix to gate.

**WELD-ON MODELS**

Protect hinge from weld spatter.

For welding installations, general field welding operations with suitable heat transfer controls, clean up and rust protection procedures should be followed. See **CAUTION** advice on next page.

**9**

Slide gate bracket back onto 57 and 108 closer from same side of fence removed. SF models refer to Step 7.

Fasten Top and Bottom screws.

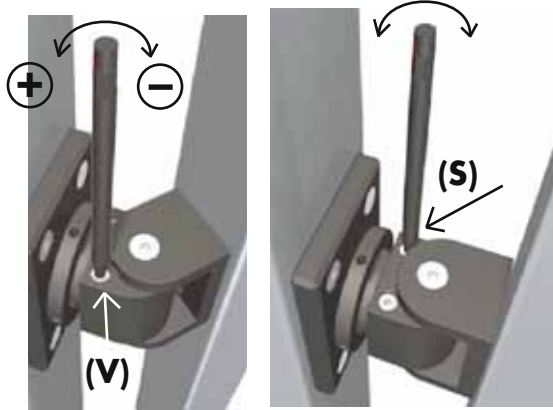
**10**

Using the supplied tool, rotate adjustment ring for correct horizontal gap. Ensure gate is level.

# Installation Instructions



## ADJUSTING THE CLOSING SPEED AND FINAL 'SNAP' ACTION (108 ONLY)



**CAUTION:** Sensitive adjustment, rotate 1/4 turn at a time.

**V=Closing Speed**

**S=Final Snap Action**

Turn nozzles clockwise to decrease speed & counterclockwise to increase speed.

If using a 57+57 or 108+108 combination, each closer must have equal closing speed at all times.



**IMPORTANT:**

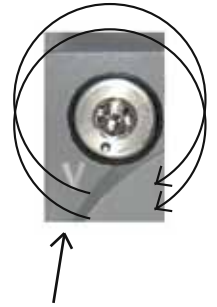
Use dimple to determine how far nozzle has turned.

**DO NOT** turn adjustment nozzles more than 2 complete rotations.

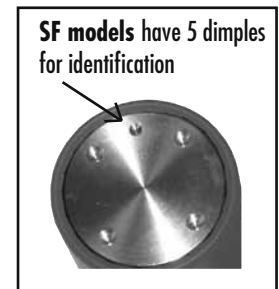
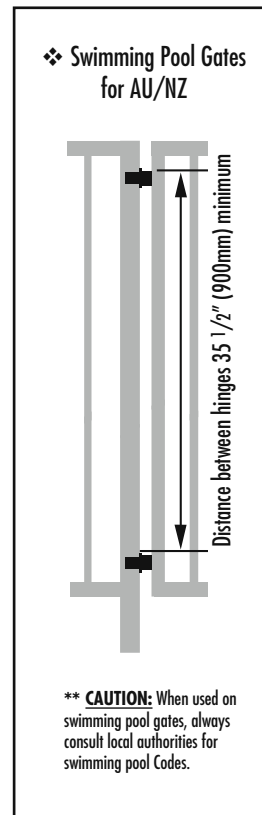
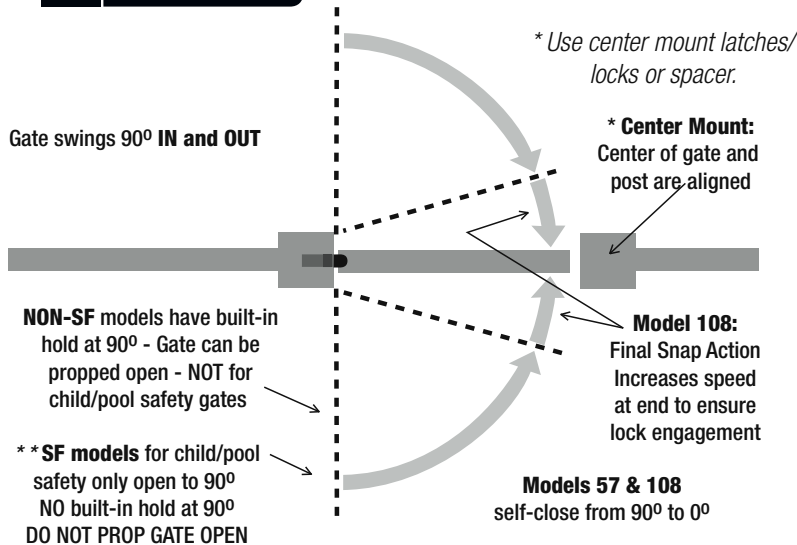
**DO NOT** unscrew nozzle past the surface of the body.

**CAUTION:**

**DO NOT** remove adjustment nozzles or disassemble hinge. Doing so voids warranty.



## CENTER MOUNTING



### MAINTENANCE REQUIREMENTS

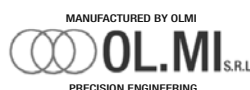
- Never use more than two (2) SureClose hinge/closers on any one gate.
- Remove all other types of hinges and self-closing devices.
- Always install SM hinge at bottom of gate and 57 or 108 closer on top.
- Ensure the gate does not swing through the line of the fence. Use a "gate stop" or a latch (with striker) to prevent this.
- All steel mounting brackets (gate and post) should be painted or powder coated. Spray painting is recommended.
- The anodized aluminum mounting brackets do not need finishing, but they may be painted or powder coated.
- DO NOT powder coat the hinge/closer, but they may be painted.
- DO NOT unscrew nozzle past the surface of the body.
- DO NOT turn the adjustment nozzles more than two (2) full rotations.
- DO NOT remove the adjustment nozzles or disassemble these hinges at any time. Doing so voids warranty.
- Ensure the hinges are kept free of sand, ice and other debris that could impair effective operation.

### CAUTION: Overheating the hinge-closer during welding may cause failure and will void warranty.

To minimize heat transferred to the hinge-closer during post bracket welding, tack weld each bracket in two places, unscrew hinge-closer and complete welding. Ensure thread is not damaged or deformed by welding. Allow each weld to cool and clean up. Finish with appropriate corrosion prevention avoiding thread contamination. Screw in hinge-closer to appropriate position. OR, leave hinge-closer in bracket and alternate welding surfaces from top hinge-closer to bottom hinge-closer. Do not weld more than one side of each post mounting bracket at a time and allow each weld to cool before moving back to the other. When hinge-closers are in place, damp gate in correct position and tack weld in place for both hinge-closers. Open gate and complete welds. Alternate between hinge-closer brackets and control heat input. Finish with appropriate corrosion prevention.

### 2 YEAR LIMITED WARRANTY:

For a downloadable Adobe Acrobat (.PDF) version of our 2 YEAR LIMITED WARRANTY, go to our website at [www.ddtechglobal.com](http://www.ddtechglobal.com)



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