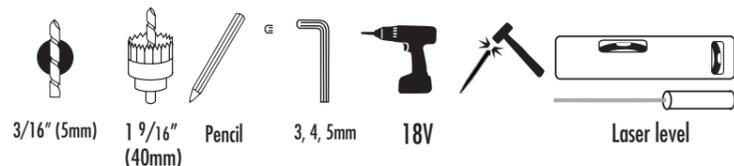


# Installation Instructions



Flush Mount Models	Hole diameter	Min Post Size
SM AT90 S	1 9/16" (40mm)	2" (50mm)
57 AT90 S	1 9/16" (40mm)	2" (50mm)
57SF AT90 S	1 9/16" (40mm)	2" (50mm)
108 AT90 S	1 9/16" (40mm)	3" (75mm)
108SF AT90 S	1 9/16" (40mm)	3" (75mm)



**NOTE:** If using SM hinge, always install at bottom of gate. 57 and 108 models should be installed on top. Use #14 countersunk fasteners.

## FLUSH MOUNT MODELS - SCREW-ON

**1 DETERMINE THE HANDING**

**2 MARKING HEIGHTS**

GAP: 5/16" - 1/2" (8-13mm)

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

**3 MARK HINGE BRACKET LOCATION ON GATE FRAME**

**Flush Mount:** Face of gate and post are aligned.

**4 FASTEN, CENTERED ON SET SCREW**

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.

**5 MARK TOP AND BOTTOM BRACKETS ON POST**

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

**6 SCREW POST BRACKET ONTO HINGE**

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

**7 ASSEMBLE HINGE TO BRACKETS ON GATE**

**8 REPLACE HINGE PINS AND INSERT INTO POST**

**9 FASTEN BRACKETS TO FENCE POST**

Tighten firmly all hinge pivot screws on both hinges with a suitable Allen Key [to a minimum of 7.5 ft.lbs (10N.m)]

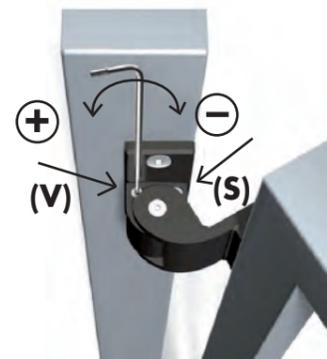
**10 SET SCREW**

Ensure face and side of gate are level. Firmly tighten two main fasteners before tightening set screw.

# 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.



## Flush Mount Screw-On

**Models 57 & 108** open 180°. Hold-open from 180° to 90°. Self-close from 85° to 0°. NOT for child/pool safety gate.

**Models 57SF & 108SF** open to and self-close from 90°. NO hold-open feature. \* Suitable for child/pool safety gate. DO NOT PROP GATE OPEN.

**Swimming Pool Gates AU/NZ** Distance between hinges 35 1/2" (900mm) minimum

**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 turn the adjustment nozzles more than two (2) full rotations.
- DO NOT unscrew nozzle past the surface of the body.
- 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:** Tighten firmly all hinge pivot screws on both hinges with a suitable Allen Key [to a minimum of 7.5 ft.lbs (10N.m)].

**CAUTION:** Overheating any SureClose product during welding may cause failure and will void warranty. To ensure threads on mounting bracket are not deformed, weld one surface at a time and alternate between top and bottom hinge. Finish with appropriate corrosion protection, avoiding thread contamination.

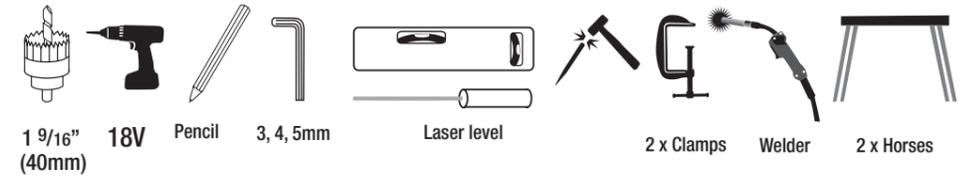
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**USA:** 7731 Woodwind Drive, Huntington Beach, CA 92647  
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**NOTE:** If using SM hinge, always install at bottom of gate. 57 and 108 models should be installed on top.

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**USA:** 7731 Woodwind Drive, Huntington Beach, CA 92647

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## FLUSH MOUNT WELD-ON

**1 DETERMINE THE HANDING**

Adjustment Nozzles must be on top

Remove Gate Bracket

**2 MARKING HEIGHTS**

GAP: 5/16" - 1/2" (8-13mm)

Mark hinge center lines

Support Blocks

Ensure post is vertical in the front and side elevations

**Swimming Pool Gates AU/NZ**

Distance between hinges 35 1/2" (900mm) minimum

**\*CAUTION:** When used on swimming pool gates, always consult local authorities for swimming pool Codes.

**3 MARK TOP AND BOTTOM BRACKETS ON POST**

Laser Level

7/8" - 1 1/16" (22-27mm)

Ensure drill hole will clear the post wall thickness.

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

Drill 1 9/16" (40mm) holes top and bottom

**4 CLAMP POST BRACKET INTO PLACE**

**5 DO NOT WELD RESTRICTED AREA**

**6 WELD ONE SURFACE ONLY AND MOVE TO BOTTOM HINGE**

**7 CORRECT WELDING SEQUENCE TO PREVENT BRACKET OVERHEATING AND THREAD WARPING**

**8 ENSURE BRACKET IS COOL BEFORE INSERTING HINGE**

**9 REPLACE HINGE BRACKET**

Ensure adjustment nozzles are facing upwards

**10 POSITION GATE LEVEL**

**11 TACK WELD BRACKET ONTO GATE**

**12 REMOVE GATE AND COMPLETE WELDING - ALLOW COOLING**

**13 REPLACE GATE AND FASTEN THE TWO PINS**

Tighten firmly all hinge pivot screws on both hinges with a suitable Allen Key [to a minimum of 7.5 ft.lbs (10N.m)]

Ensure adjustment nozzles are facing upwards

**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.

**MAINTENANCE REQUIREMENTS**

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

**⚠ Tighten firmly all hinge pivot screws on both hinges with a suitable Allen Key [to a minimum of 7.5 ft.lbs (10N.m)]**

**CAUTION: Overheating any SureClose product during welding may cause failure and will void warranty.**

To ensure threads on mounting bracket are not deformed, weld one surface at a time and alternate between top and bottom hinge. Do not weld in restricted area. Finish with appropriate corrosion protection, avoiding thread contamination.

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