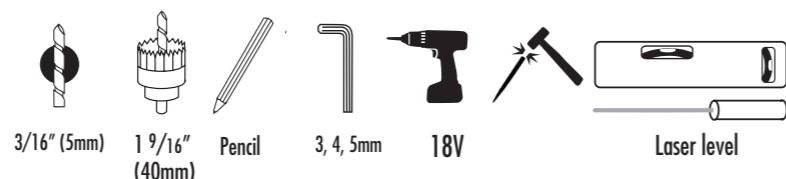


Installation Instructions



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)

Ensure post is vertical in the front and side elevations

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

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

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

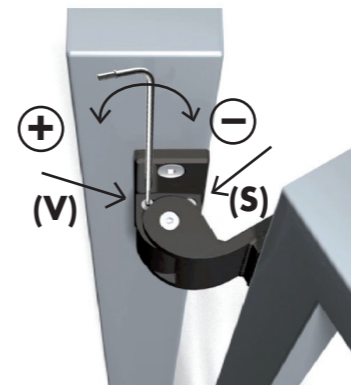
10 SET SCREW

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)



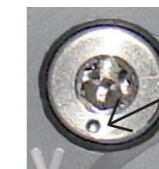
CAUTION: Sensitive adjustment, rotate MAX 1/4 turn at a time.

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:

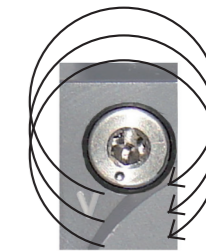
Use dimple to determine how far nozzle has turned.

DO NOT turn adjustment nozzles more than 3 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.



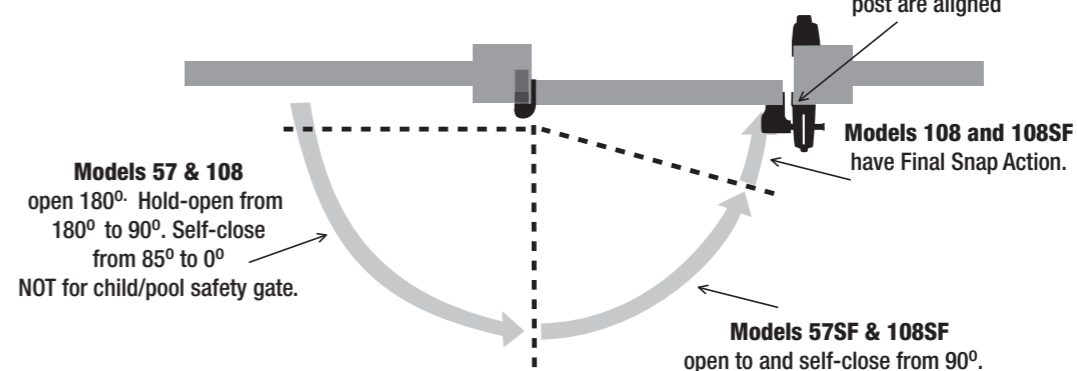
SUREClose Flush Mount Screw-On



Gate stop must be installed when using SF models. Gate must not be allowed to open past 90°. Doing so voids warranty.

Use flush mount latches/locks.

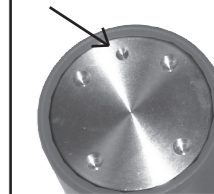
Flush Mount
Face of gate and post are aligned



MAINTENANCE REQUIREMENTS

- Gate stop must be installed when using SF models. Gate must not be allowed to open past 90°. Doing so voids warranty.
- 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.

SF models have 5 dimples for identification



Swimming Pool Gates AU/NZ



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



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Patented: CA 2650769; US 7900319; NZ 573211; AU2010280342, AU2011202070

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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.

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



SCOLM00015PA 10/2/14