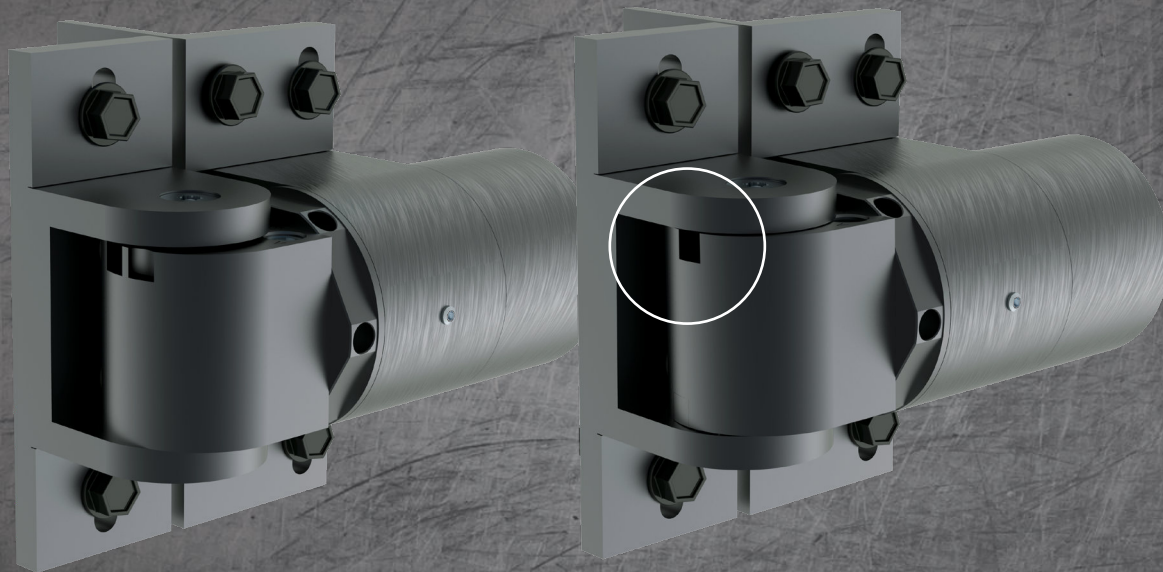




# SureClose® READYFIT 180° Hinge-Closer Set

(Hydraulic engine replacement or if ReadyFit is welded to the gate)

**Replacement of 74108333T or 74108335T hydraulic engine (1 dimple) with new 75108020 hydraulic engine, plus install GateStop™ 7403**



Note: 74108333T and 74108335T hinge kits have 1 or 2 dimples (see circle above).  
 Replace ONLY the hydraulic engine with 1 DIMPLE with new 75108020 hydraulic engine.  
 No need to remove mounting brackets

## REPLACEMENT PARTS LIST – SUPPLIED BY D&D TECHNOLOGIES

PART NUMBER	PART DESCRIPTION	QTY	NOTES
75108020	SC RF 108 SF hydraulic engine	1	To replace existing engine of 74108333T or 74108335T
7403	SC RF GateStop™	1	To be installed on gate to prevent gate opening beyond 88°
SCTORX00002PS	M6x14 Torx Screws	4	Security Torx screws for 75108020
	T30 Security Torx Bit	1	For securing M6x14 Torx Screws



RF 108 SF 75108020  
HYDRAULIC ENGINE PART

7403 RF  
GATE STOP

SCTORX00002PS  
SECURITY TORX SCREWS

T30  
TORX BIT

**SAFETY FIRST**

- Use suitable PPE (Personal Protective Equipment)
- Always have the gate fully supported and secured before removing the hinges.
- Remove existing hydraulic engine from the hinge-closer with 1 dimple and replace with the new 75108020 hydraulic engine.
- NO need to remove mounting brackets

**!** If gate is light enough to be handled by one person you only need to remove the 2 Torx screws from the 1-dimpled hinge. With the gate secured to the 2-dimpled hinge, tilt the gate to allow access to the 1-dimpled hinge to replace hydraulic engine. During this process secure the gate to prevent it from free-falling. Use a method (blocks or a jack) to prop the gate on a level angle.

**TOOLS REQUIRED**



Torque Wrench



Crescent Wrench

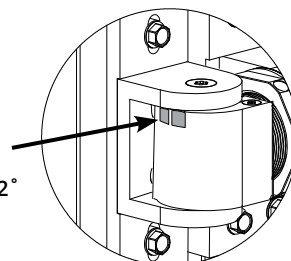


2.5mm Hex Key

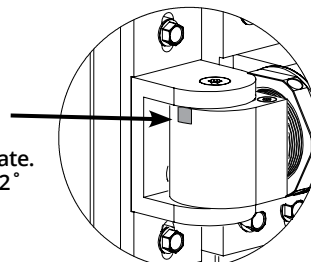


Adjustment Tool (Supplied with original purchase)

**2-DIMPLE HINGE**  
Hinge recommended mounted to top of gate. Self-closes from 180° to 82° Right-hand operation shown, with adjustment valves facing up.



**1-DIMPLE HINGE**  
Hinge recommended mounted to bottom of gate. Self-closes from 98° to -2°



**1** Remove all 4 Torx screws from the top and bottom hinges (top and bottom).



**2** Firmly hold the gate and open to approximately a 90° angle.

**!** Close off all valves as highlighted to allow safe partial removal of the gate.

**3** With the gate open, slide off gate in the direction indicated by green arrow.



**!** During this process, secure the gate to prevent any damage before being re-installed



**4** Loosen the grub screw on the hinge with 1-dimple.



**5** Unscrew the engine (with 1-dimple) from the housing.



**6** Remove the hydraulic engine with 1-dimple from the housing.



**7** Take the new 75108020 engine out of the box. Put the removed engine part into the box and return to D&D.



**8** Screw in the new 75108020 hydraulic engine into the housing.



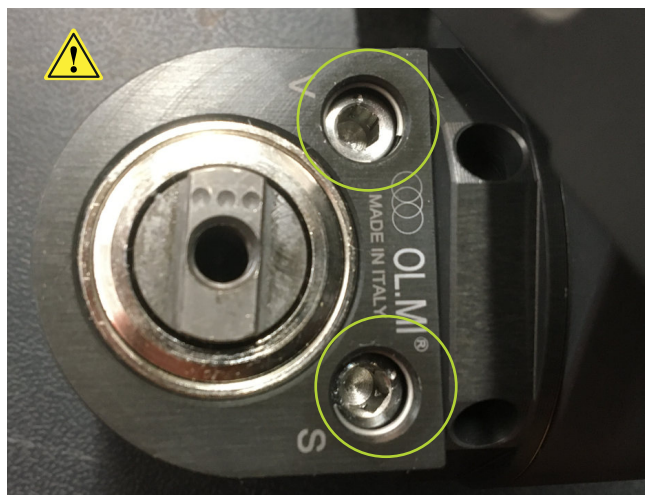
**9** Continue to rotate until the hydraulic engine is flush with the outside of the housing.



**10** Grasp the pinion drive with the crescent wrench and rotate to 90°.



**11** Close off both valves as highlighted to allow safe installation of gate.



**12** Re-install the gate by lifting and inserting the yokes onto the pinion drives starting with the bottom yoke.



**13** You may need to slightly pivot the hinge in order to insert the pinion. Note the channels in the yoke where the pinion drive is inserted.



**14** Replace and tighten all Torx screws (top and bottom) on both hinge-closers, starting with the replaced unit.



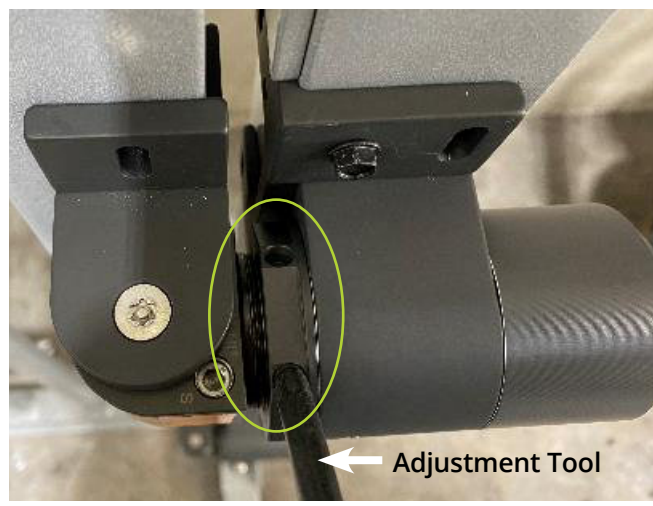
**15** Tighten all Torx screws to ensure gate is secured during this process



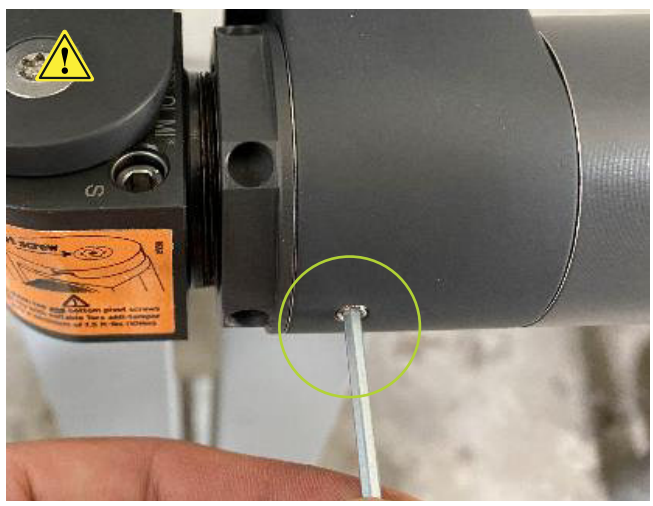
**!** Note: Minimum torque for top and bottom screws is 7.5 ft-lbs (10Nm)



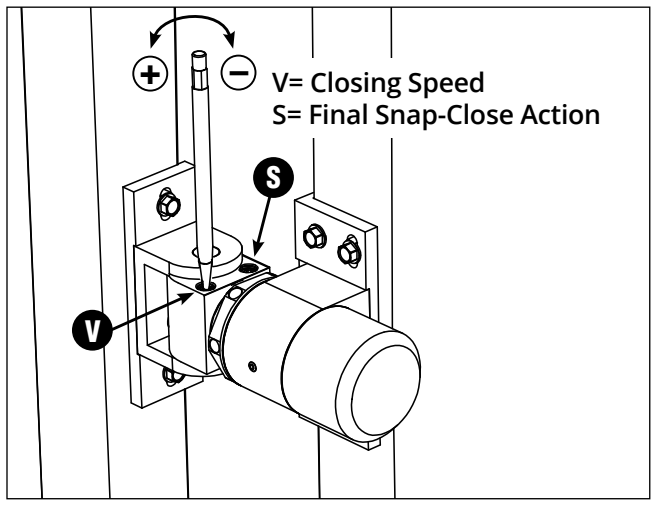
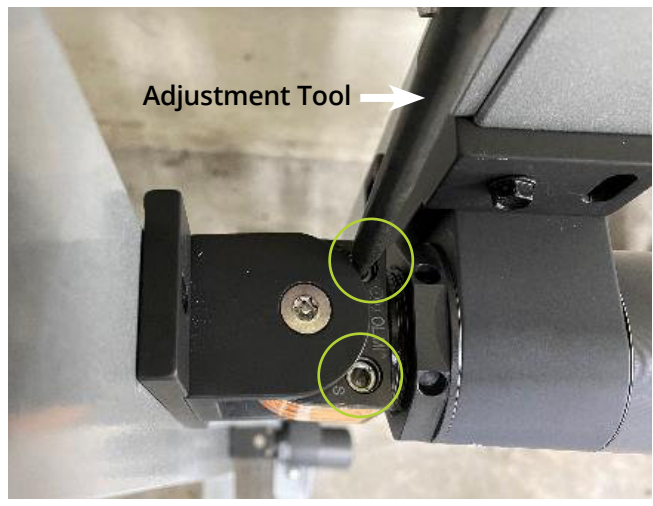
**16** Rotate adjustor ring to adjust horizontally for desired gate gap.



**17** Re-tighten the grub screw.



**18** Use the adjustment tool supplied to adjust the closing speed and snap-close action



## 19 Installing the GateStop™ - overview

**CAUTION:** A Gate-Stop MUST be installed when using 'SF' models. Gate MUST NOT be allowed to open past 85°. Doing so voids warranty.

**Adjustable, to stop gate at 85°**



7403 RF GATE-STOP



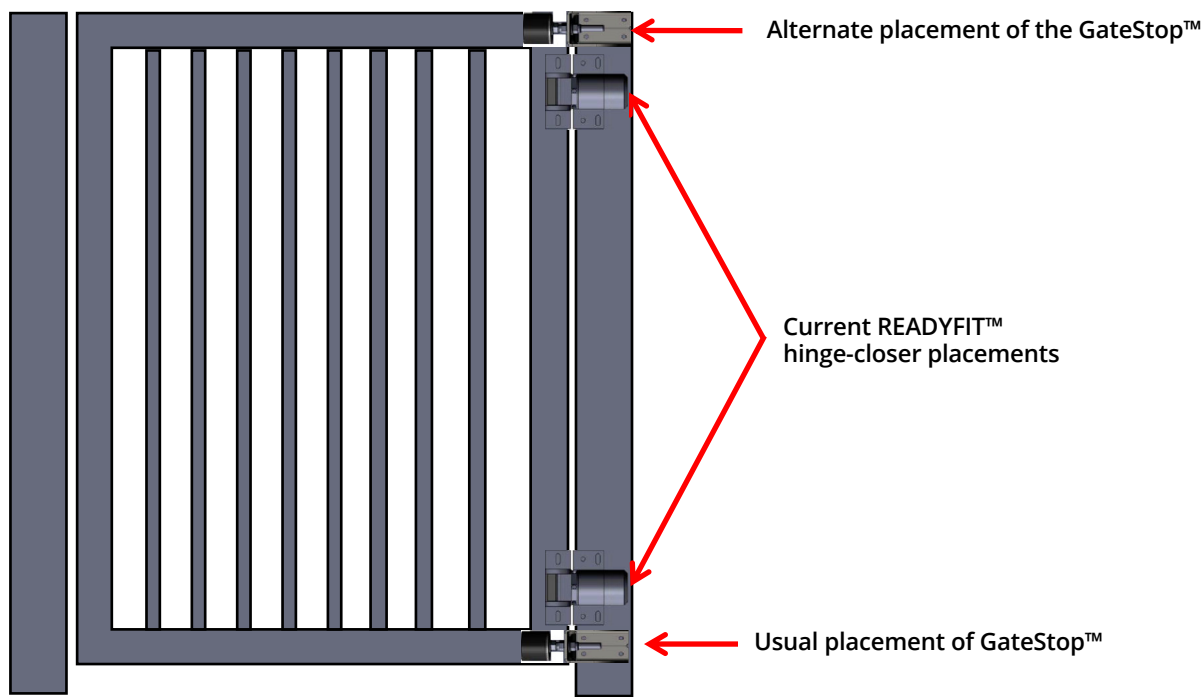
85°



Reversible mounting for left or right-hand opening. For larger gaps, adjust hinge and GateStop equally to ensure the gate does not open past 85°.

Install the GateStop onto the fence post at the safest height to make contact with a cross-rail or kick-plate for added strength.

## 20 Observe placement of the ReadyFit™ GateStop™

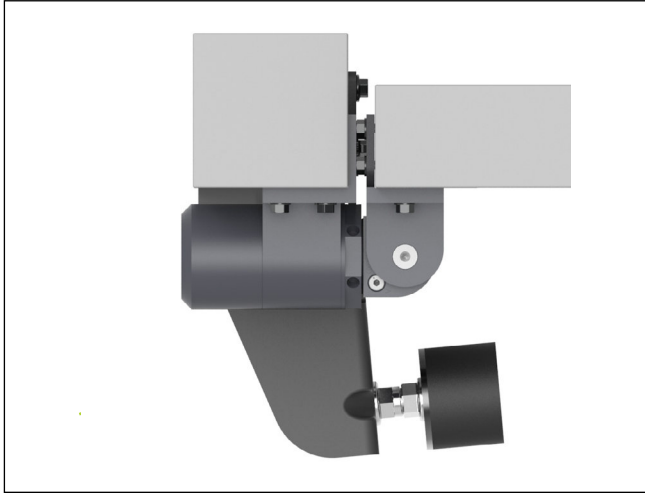


If the current placement of the hinge-closers meets local pool codes, then installing the READYFIT™ GateStop™ either above the top hinge or below the bottom hinge, will also meet pool codes. Refer to illustration above for an example.

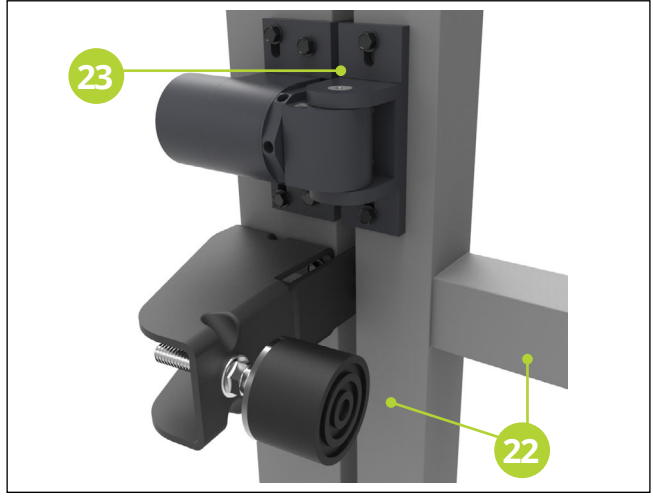
Observe placement of the READYFIT™ GateStop™ where it may become a possible tripping or trapping hazard, and if necessary, paint the GateStop™ in a bright colour, e.g. yellow or white

**!** If unsure, the installer to seek advice from local authority for the placement of the GateStop™.

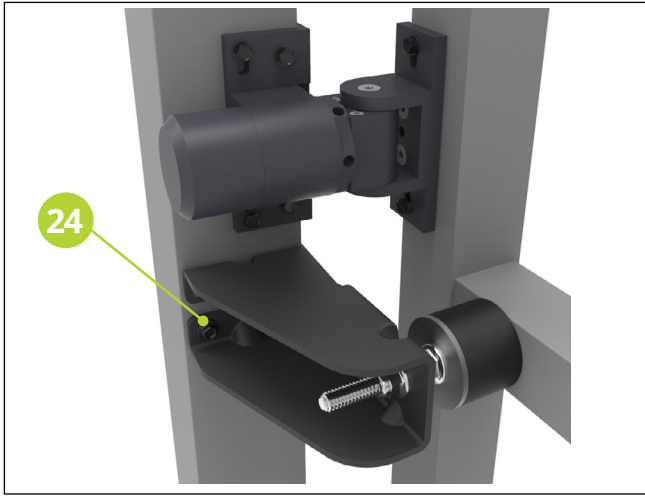
**21** Position the GateStop™ on the fence post



**22** Install the GateStop™ onto the fence post at the safest height to make contact with a cross-rail or kick-plate for added strength.

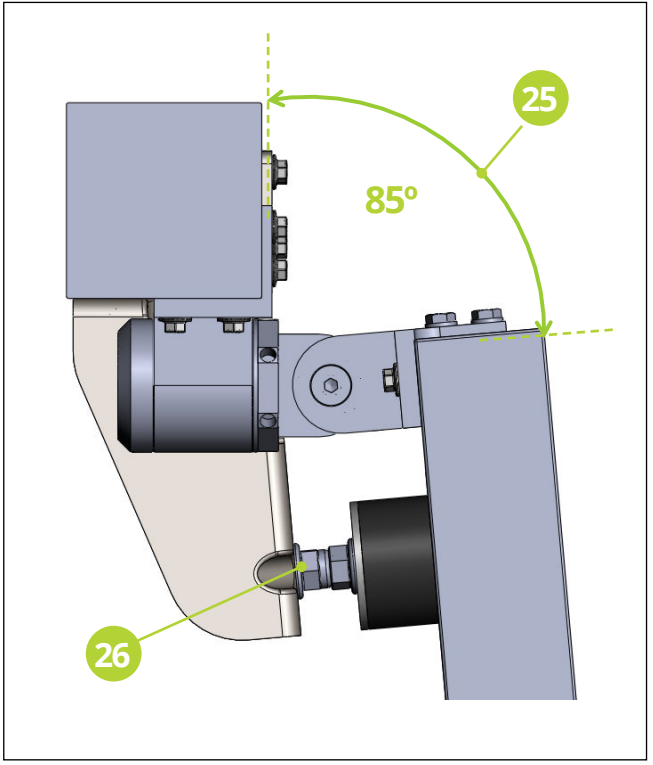


**24** Secure the GateStop™ to the fence post (both front face and side legs). Fixing of side legs requires the gate to be opened. Note: Fix 8 screws in total.



**23** If the GateStop™ is fitted close to the SureClose® hinge-closer ensure you have sufficient access to adjust the valve(s).

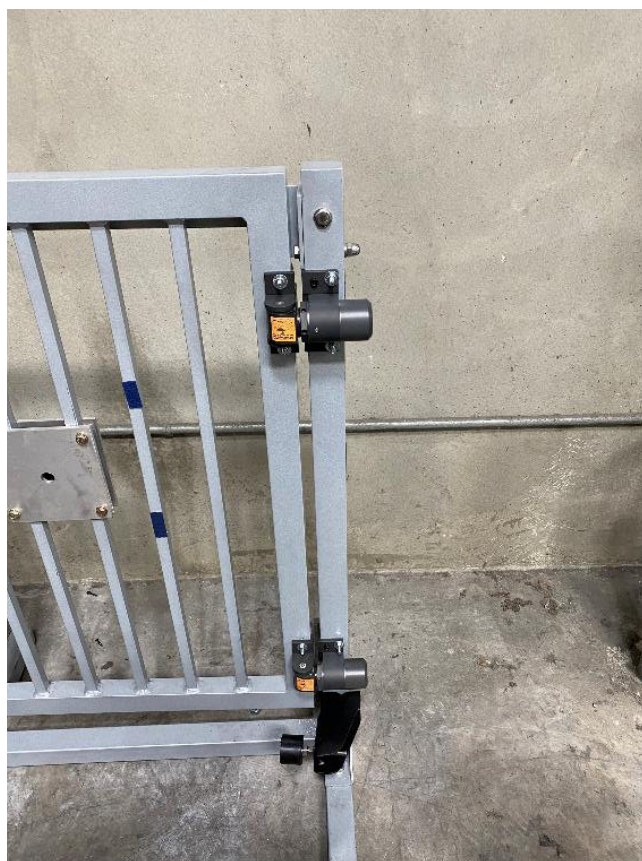
**25** Adjusting the GateStop™: Open the gate until the opening angle (arc) reaches 85° and hold gate open.



**26** While holding gate open, adjust the nuts and stud until the rubber bumper abuts the member of the gate. Allow the rubber bumper to deform to simulate a forced opening.

**27** Check GateStop™ stops the gate at 85°. If not adjust the nuts and stud.

- 28** Test the gate at 45°, 60°, 70°, 80° & 85° to check the gate closes fully.  
If necessary, go to Step 17 to adjust closing speed and snap-close action.



Further information: Watch video of a hydraulic engine replacement on a light weight gate by one person. During this process, secure the gate to prevent it from free-falling. Use a method (blocks or a jack) to prop the gate on a level angle.

WATCH VIDEO ▶

**For further information regarding this product contact the sales department in your area.**

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