

## SafeAZ Medium/Heavy Duty Hinges DPH230 Self closing hinge – adjustable

### Installation, instruction and maintenance sheet

PLEASE CAREFULLY READ ALL OF THE INSTRUCTIONS PRIOR TO INSTALLATION

#### Step 1 – Hinge flanges mounting

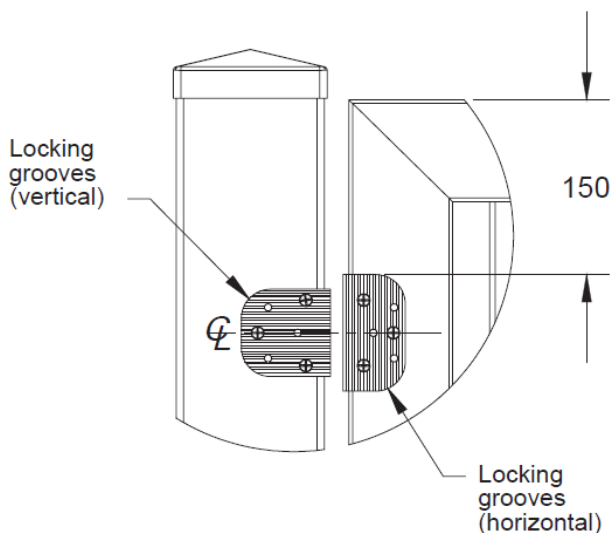
The hinge flanges should be positioned on the outside surfaces of the posts with the gate in the closed position.

The hinge flanges should be located as shown, with the wide flange with the horizontal grooves installed on the left side, and the narrow flange with vertical grooves positioned on the right side.

The top edge of the upper flange should be mounted within 150 mm of the top surface of the top rail, and the bottom edge of the lower flange should be mounted within 150 mm of the lower surface of the lower rail.

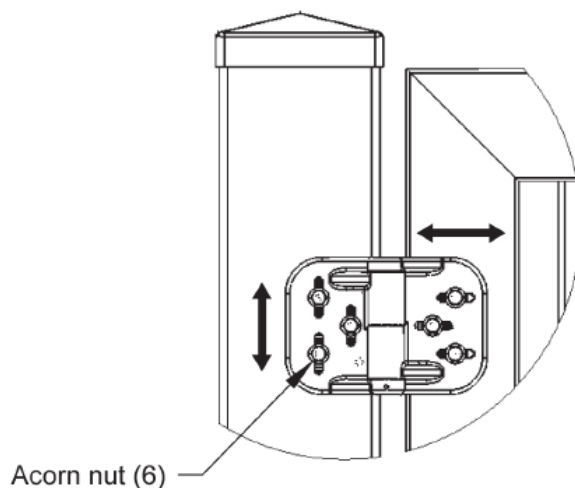
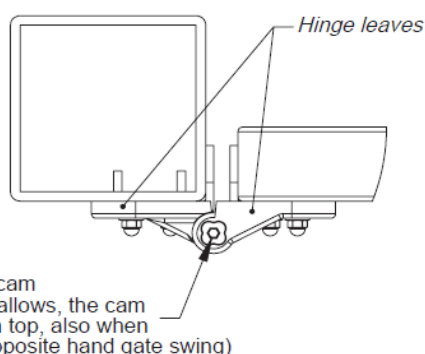
The gate and post flange leaves should be centered to one another as closely as possible.

In applications where additional hinges are used, they should be evenly spaced between the upper and lower hinges.



#### Step 2 – Hinge mounting

Install self closing hinge assembly to mounting flanges (installed in step 1) and secure with acorn nuts. Hinge should be positioned as shown so that the locking grooves on the mounting flanges will align with grooves on the back side of the hinge assembly. This will allow the hinge to be adjusted horizontally on one side, and vertically on the other side.



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#### Step 3 – Spring tension adjustment

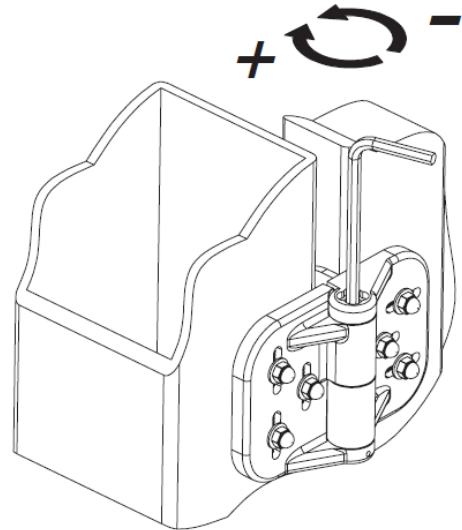
Insert an Allen key (1/4", as supplied, or 6 mm) into the cam at the end of the hinge barrel.

Press the Allen key downward, pushing the cam into the barrel.

Rotate the cam clockwise to increase spring tension and counter-clockwise to reduce spring tension.

Adjust one hinge at a time in 1/4 turn increments.

**WARNING:**  
SPRING TENSION SHOULD NEVER BE INCREASED MORE THAN 2 FULL TURNS (8 QUARTER TURNS) FROM THE NEUTRAL POSITION



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**MAINTENANCE:** The hinge should be inspected annually, or more frequently if the gate is used often. Spring tension adjustments should be made as needed. Do not use petroleum based lubricants on the moving parts of the hinge. Lubricate with powdered graphite only. Keep the hinge free of contaminants, such as sand, ice and dust, as they could impair its function.