

How To Adjust

Waterson hinge sets are easily adjustable using 3mm and 5mm hex wrenches. See H1 – H6 for specific adjustments.

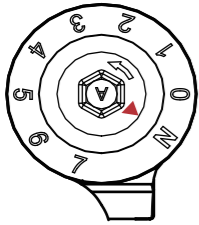
H1

ADJUSTMENT - TENSION

Use 5mm hex wrench to increase and decrease tension on numerical panel.

Increase Tension: Turn (△) to greater number.

Decrease Tension: Depress and turn to lower number.



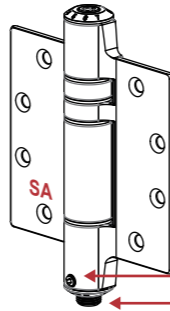
NOTE: Spring tension adjustment is done on SA, SB & SA1 top ends, as well as on HS bottom & DS both sides.

CAUTION: Setting tension beyond 5 may decrease spring longevity.

H2

ADJUSTMENT - SWING SPEED

Use 5mm hex wrench to adjust swing speed. Swing speed is only adjusted on SA and HA hinge bottoms.



SWING SPEED	Fast	Slow	Stop
DIRECTION	+ ← → -		

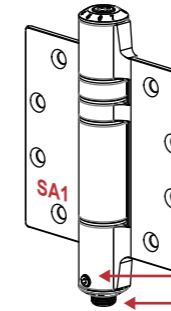
NOTE: Lock speed lock-in screws with 3mm wrench after adjusting.

Speed Lock-in Screws (Turn 90° - 180°)
Swing Speed Control Hex Nut

H3

ADJUSTMENT - LATCH SPEED

Use 5mm hex wrench to adjust latch speed. Latch speed is only adjusted on SA1 hinge bottom.



LATCH SPEED	Fast	Slow	Stop
DIRECTION	+ ← → -		

NOTE: Lock speed lock-in screws with 3mm wrench after adjusting.

NOTE: The door will stop altogether when hex nut is tightened.

Speed Lock-in Screws (Turn 90° - 180°)
Latch speed Control Hex Nut

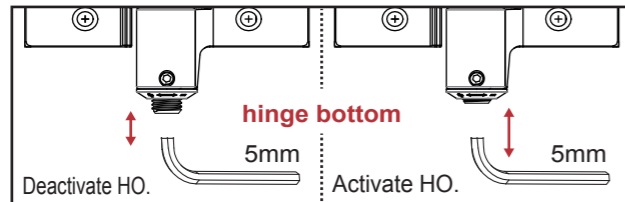
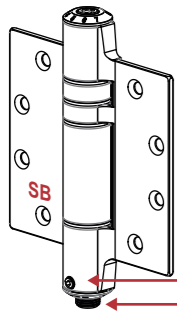
H4

ADJUSTMENT - HOLD OPEN

Use 5mm hex wrench to enable and disable hold open feature. Hold-open adjustment is only done on SB hinge bottom.

Turn hex nut (-) to enable hold open.

Turn hex nut (+) to disable hold open.



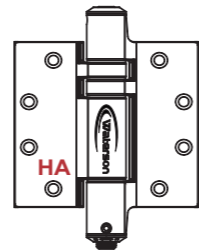
NOTE: Lock speed lock-in screws with 3mm wrench after adjusting.

Speed Lock-in Screws (Turn 90° - 180°)
Hold Open Control Hex Nut

H5

ADJUSTMENT - HYDRAULIC POWER

Use 3mm hex wrench to adjust the 30° hydraulic damper action zone (HDAZ) power. Hydraulic power adjustment is only done on HA or HS hinge.



Manufacture 8mm: factory use only
Recessed 3mm: Reduce speed.
Recessed 5mm: Shift HDAZ.

CLOSING SPEED	Fast	Slow	Stop
HYDRAULIC POWER	Min	Middle	Max
DIRECTION	+ ← → -		

NOTE: Door will stop in HDAZ if you turn full (-), and may result in hydraulic mechanism damage.

CAUTION: Hydraulic mechanism operates best from 0-120°. Opening beyond 120° will damage hinge and violate warranty.

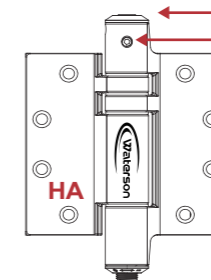
H6

ADJUSTMENT - HYDRAULIC ZONE

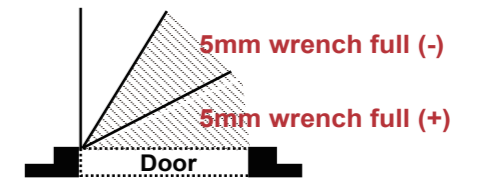
Use 3mm wrench to loosen HDAZ lock-in screws before adjusting then tighten after. Use 5mm hex wrench to move HDAZ.

Latched doors: Turn full(-). This is factory setting.

Latchless doors: Turn full(+) to shift HDAZ



Shift HDAZ (5mm wrench)
HDAZ Lock-in Screws (3mm wrench)



NOTE: We recommend adjusting the hydraulic zone before adjusting power (see H5).