



WATERSON STAINLESS STEEL AUTO DOOR-CLOSER HINGE

GLASS DOOR SERIES

EASY TO OPEN AND CLOSE

SAVE 50% OPENING FORCE



Great safety
for little children



Effortless access
for the elderly



Considerate design
for the disabled



Since 1979
www.watersonusa.com

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LESSEN YOUR BURDENS

*Newest door closer lessen all your
worries on door accessories*

*Less work · No cuts in the floor
Less cost · Save the total expense
Less Strain · Effortless door opening with one finger*

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GLASS DOOR SERIES

For 8-12 mm-thick glass



Glass to Thin Wall Auto Door-Closer Hinge K51GWL - 500

Wall width ≥ 38 mm

INSTRUCTION

Attach one side to frameless glass and the other side to wall



Glass to Glass Auto Door-Closer Hinge K51GG - 500

Same glass thickness for both sides

INSTRUCTION

Attach both sides to frameless glass directly



Glass to Frame Auto Door-Closer Hinge K51GM - 450

Frame thickness ≥ 40 mm

INSTRUCTION

Attach one side to frameless glass and the other side to door frame, applicable to retrofit market

▶ AUTO-CLOSING MODE

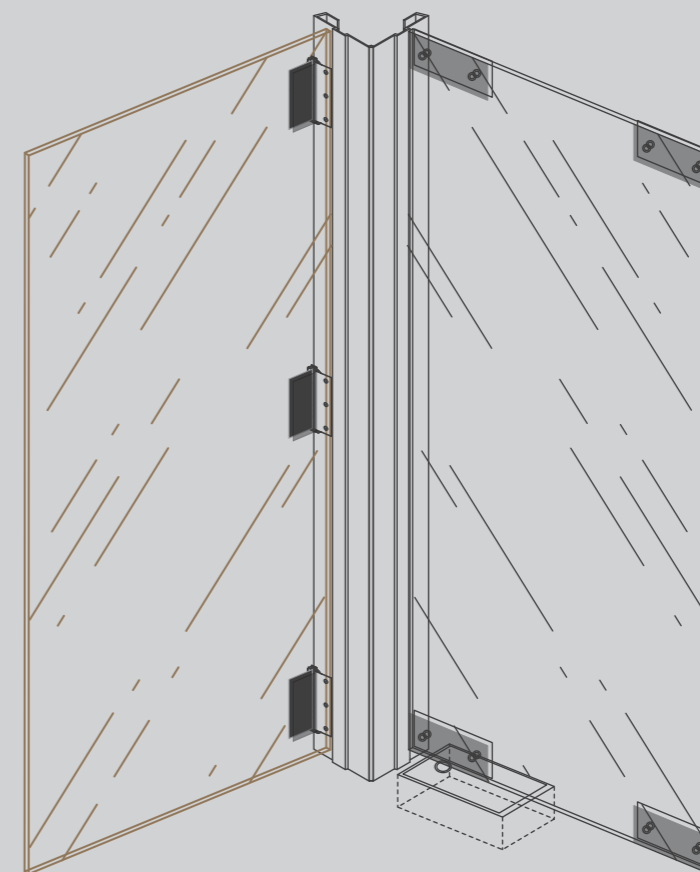
UNDER 70 KG (HS, SA) = (Top, Bottom)

UNDER 120 KG (HS, SA, SA1) = (Top, Middle, Bottom)

▶ 85°±5° HOLD-OPEN MODE

UNDER 70 KG (HS, SB) = (Top, Bottom)

COMPARISON CHART



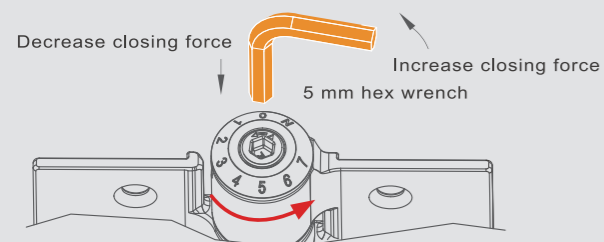
	Waterson Auto Door-Closer Hinge	Floor Spring
Installation Position - hinge position	Directly installed on the door	Buried in floor; difficult for installation and repair
User Experience	Easy to open	Hard to open
Outdoor Use	Yes and highly durable	Not durable
Total cost	Low	High
Product Lifetime	Tested to 1 million cycles	Depending on brands
Hold-Open	85±5 hold-open mode	90°/135°/180° and other angles

OPERATION INSTRUCTION

▶ Adjustment to closing force

The 0-7 scale indicates door closing force; the larger the number is, the greater the closing force is.

"N" is the default setting. At scale "N" press down to turn to scale 0. See the adjustment direction below, 7 is maximum.



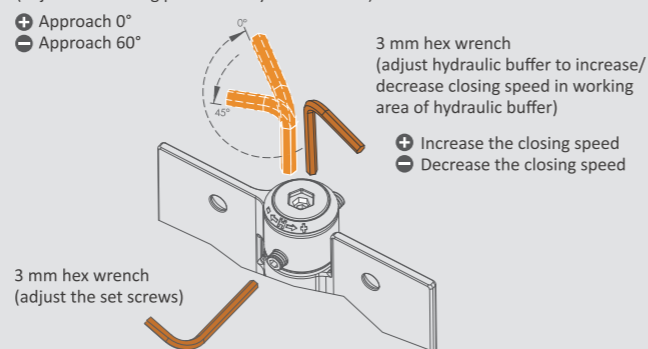
N→7, 7 is maximum
Increase closing force

▶ Adjustment to hydraulic buffer

Please open the door to 90° before adjustment

5 mm hex wrench
(adjust the starting position of hydraulic buffer)

⊕ Approach 0°
⊖ Approach 60°



3 mm hex wrench
(adjust the set screws)

3 mm hex wrench
(adjust hydraulic buffer to increase/
decrease closing speed in working
area of hydraulic buffer)

⊕ Increase the closing speed
⊖ Decrease the closing speed

▶ Adjustment to closing speed

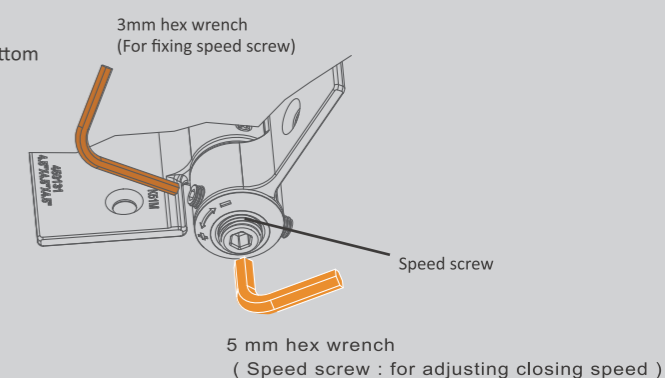
The self-closing speed is micro-adjustable through the speed screw at the bottom

⊕ Increase the closing speed
⊖ Decrease the closing speed

▶ Adjustment to hold-open

Use the speed screw at the bottom to adjust hold-open at 85°±5°

Holding door at the opening position
⊕ Gradually turn on the hold-open
⊖ Gradually turn off the hold-open



5 mm hex wrench
(Speed screw : for adjusting closing speed)