

Soft Close Hinge



Soft Damping Mechanism and Tension Adjustment

Special Designed Locator Prevents Gate From Sagging

Dampers Are Vertically Oriented to Prevent Hydraulic Fluid Leaking

Damping Angle Adjustment Mechanism Enables Accurate Closing Time Adjustment

Patented Roller Designed Ensures Smooth Soft-closing Action At Any Angle of Release

Independently Test to 25,000

Advantages of Installation Through Holes

Soft Close Hinge is compatible with glass gates with fixing holes or cut-outs, with installation through holes being the preferred installation method with several advantages:

Installation through holes guarantee that the gate will never sag.

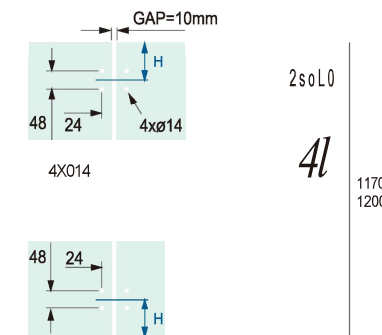
Installation through holes is quicker and more convenient.

Gates with fixing holes are more rigid than gates with cut-outs.

Glass panel with holes is cheaper compare to glass panel with cut-outs.

All our glass panels with holes are compatible with our Orion soft close hinge and spring hinge range.

Installation through holes allows the distance between the top hinge and bottom hinge to be maximize, which provides a steadier grip and better performance for the hinge.



For optimal gate performance, the distance between the two hinges should be as far apart as possible. The traditional distance(H) from hinge center to glass edge (top and bottom) is 200mm, we recommend to make it 90-100mm which ensures the distance between top and bottom hinges is greater than 900mm to eliminate the need for safety cap while the hinges provide a better grip and even distribution of force to the gate, ensuring better closing action and longevity of hinges.



Washer Packer



Cutout Adaptor Insert



Normally there is a tolerance when drill holes in the glass so we designed oval studs working with special washers and arched packers to correct the off center hole position to make the top and bottom hinges to be perpendicularly aligned and working co-axially.

SOFT CLOSE Hinge also can be fixed through cut-outs. We designed a removable and adjustable adaptor insert which can be adjusted vertically and horizontally by a wrench to fit into cutouts. This adaptor insert also works as a locator to prevent gate from sagging.

If fine-tune adjustment in closing time is required, adjust the damper stroke through the damper adjustment mechanism. Screw downwards to reduce the damper engagement angle to speed up closing time and un-screw to extend the damper engagement angle to slow down closing time

Stronger Tension

0 1 2 3 4 5 6 7 8 9



Allen Key

As for the adjustment of self-closing tension (closing speed, we have come up with a different approach to overcome all the hassles associated with adjusting conventional gate hinges - SOFT CLOSE Hinge offers a quick and easy tension adjustment with just an Allen Key.



Safety Cap

Pursuant to safety standard, if the distance between top and bottom hinges is less than 900mm, a safety cap has to be installed to prevent children from climbing. Orion Hinge is equipped with a quick and convenient safety cap which can be installed when needed.

Glass to Glass Soft Close Hinge

Soft close hinge-Glass to Glass application

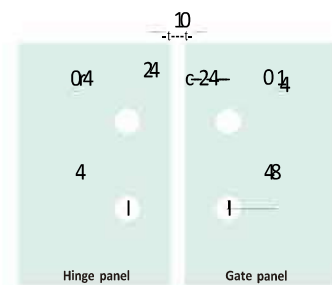
Complies with standards for pool fencing

Robust and corrosion resistant construction made of duplex 2205 stainless steel

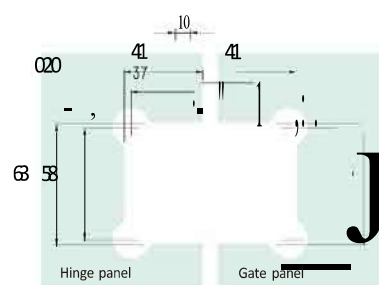
Suitable for 8mm, 10mm and 12mm glass gates

Tension adjustment (closing speed adjustment) with just an Allen key Special designed locator to prevent gate from sagging

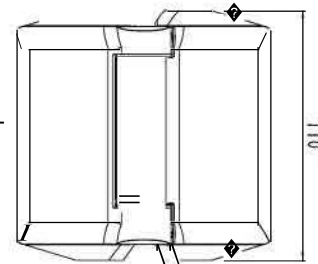
Multi fit, compatible with glass gates with fixing holes or cut-outs



Holes Specification in The Glass
(measured in millimeter)

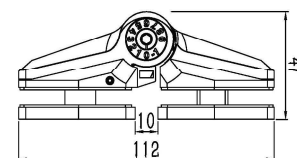


Holes Specification in The Glass
(measured in millimeter)



Code Finish

DJI-GTG HINGE Satin



Glass to Square Post Hinge

soft close hinge-Glass to Square Post application

Complies with Australian standards for pool fencing

Robust and corrosion resistant construction made of duplex 2205 stainless steel

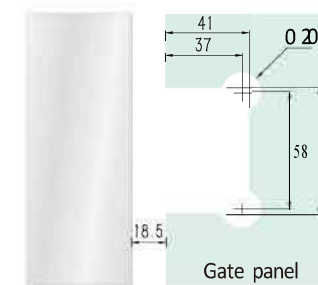
Suitable for 8mm, 10mm and 12mm glass gates

Patented tension adjustment (closing speed adjustment) with just an Allen key Special designed locator to prevent gate from sagging

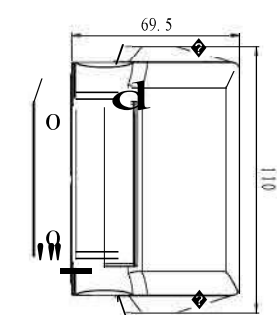
Multi fit, compatible with glass gates with fixing holes or cut-outs



Holes Specification in The Glass
(measured in millimeter)

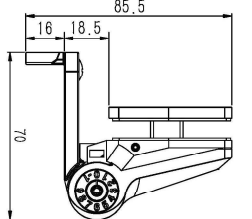


Holes Specification in The Glass
(measured in millimeter)



Code Finish

Satin



Glass to Wall Hydraulic Hinge

Soft close hinge-Glass to Wall application

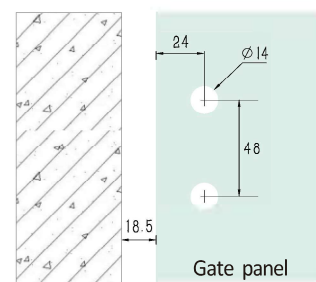
Complies with standards for pool fencing

Robust and corrosion resistant construction made of duplex 2205 stainless steel

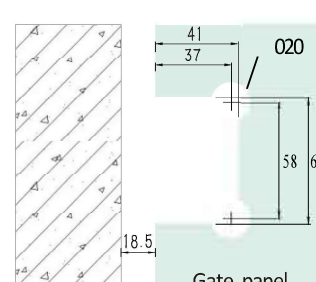
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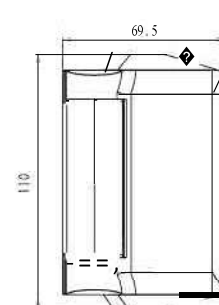
Multi fit, compatible with glass gates with fixing holes or cut-outs



Holes Specification in The Glass
(measured in millimeter)

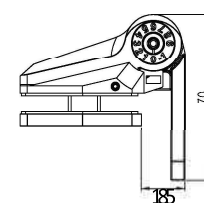


Holes Specification in The Glass
(measured in millimeter)



Code Finish

DJI-WGHINGE Satin



Glass to 50.8 Post Hinge

soft close hinge-Glass to 50.8 Round Post application

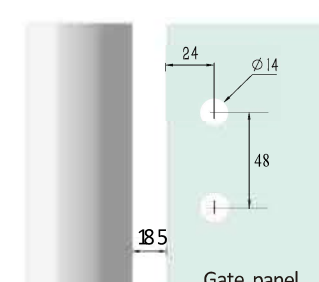
Complies with standards for pool fencing

Robust and corrosion resistant construction made of duplex 2205 stainless steel

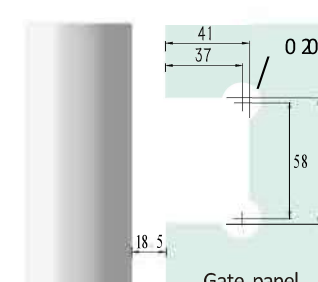
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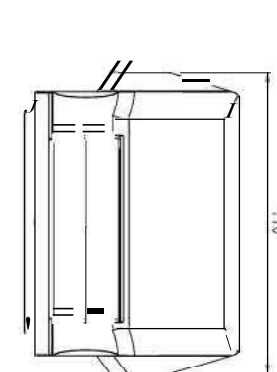
Multi fit, compatible with glass gates with fixing holes or cut-outs



Holes Specification in The Glass
(measured in millimeter)

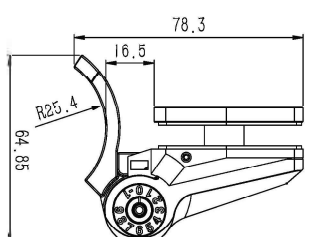


Holes Specification in The Glass
(measured in millimeter)



Code Finish

Satin

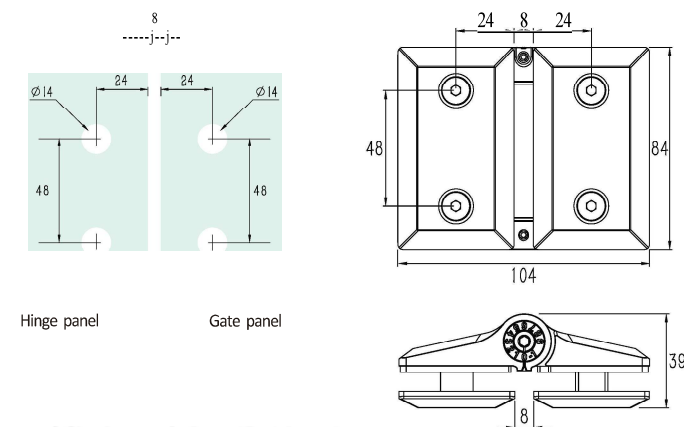


Glass to Glass Spring Hinge

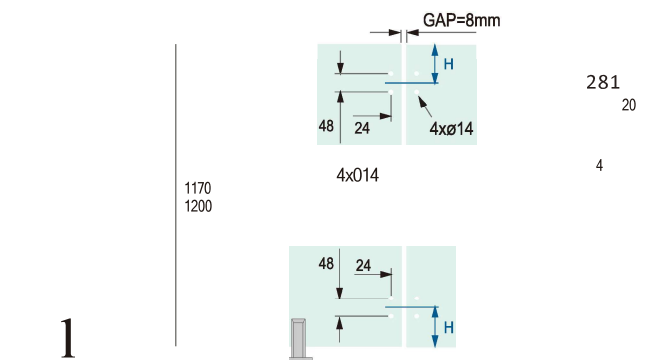
Heavy duty spring hinge- glass to glass application
Self close at any release angles
Complies with Australian standards for pool fencing
Robust and corrosion resistant construction made of duplex 2205 stainless steel
Suitable for 8mm, 10mm and 12mm glass gates
Patented easy tension adjustment (closing speed adjustment) just with an Allen key
Weight capacity: 45 kgs
Special designed oval studs and curved packers to correct the off center hole position



Installation through holes is preferred for a more rigid and non-sagging gate



For optimal gate performance, the distance between the two hinges should be as far apart as possible. The traditional distance(H) from hinge center to glass edge is 200mm, we recommend to make it 90-100mm which ensures the distance between top and bottom hinges is greater than 900mm to eliminate the need for safety cap while the hinges provide a better grip and even distribution of force to the gate, ensuring better closing action and longevity of hinges.

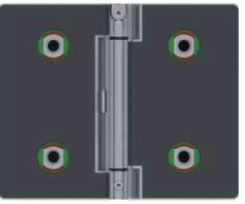


Recommended Glass Fabrication
(measured in millimeter)

Feature 1

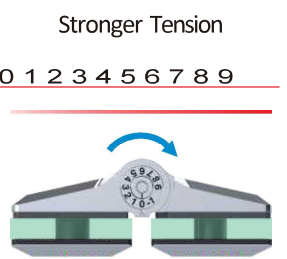
Often there is a tolerance when holes are drilled in the glass, which will cause misalignment in the height of hole positions in hinge panel and gate panel. In order to overcome this, we designed oval studs working with arched packers to correct the off center hole position.

Arched packers (shown in red) are used in the gaps between stud and washer (shown in green) to correct the off center hole position and allow the top and bottom hinges to be perpendicularly aligned and working co-axially.



Feature 2

Our heavy duty spring hinge offers quick and easy tension adjustment with just an Allen key. And there is a spring protection mechanism in the hinge to stop the tension adjustment over the maximum setting "9" to prevent over-tensioning of the spring.

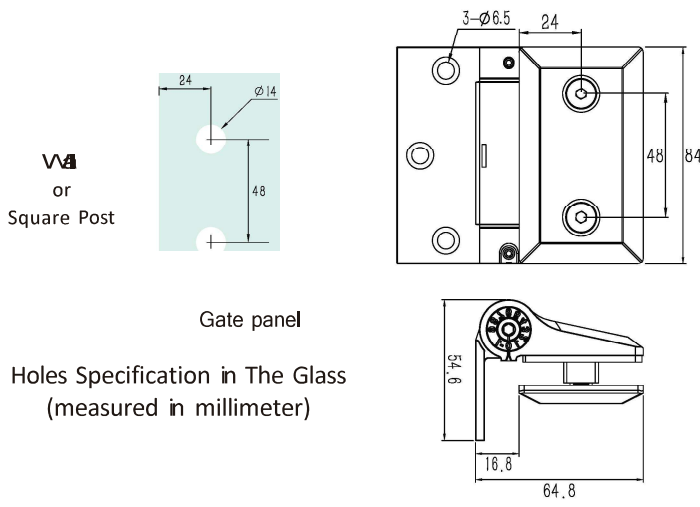


Glass to Wall Spring Hinge

Heavy duty spring hinge- glass to wall / square post application
Self close at any release angles
Complies with Australian standards for pool fencing
Robust and corrosion resistant construction made of duplex 2205 stainless steel
Suitable for 8mm, 10mm and 12mm glass gates
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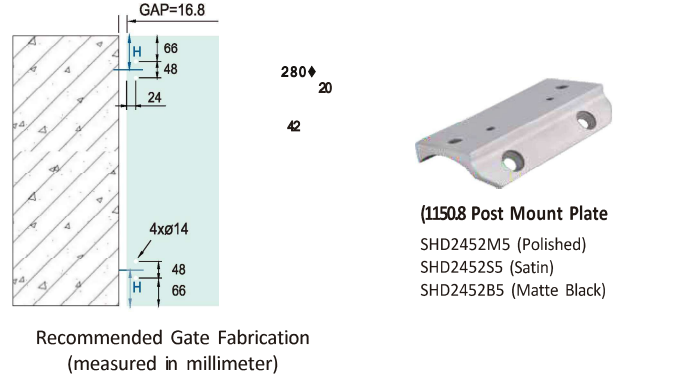


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Holes Specification in The Glass
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Recommended Gate Fabrication
(measured in millimeter)



The standard gap between the wall surface and gate panel is 16.8 mm. If a narrower gap is required, the hole position relative to the gate edge can be changed to achieve this, the minimum gap is 6 mm.

Feature 1

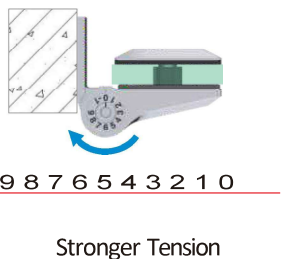
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Stronger Tension