

Hinges in ThermalHeart+[®] ranges



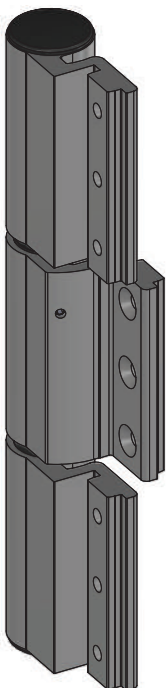
Strength in simplicity

From time to time, it is useful to have an adjustability feature in the hinges to enable the repositioning of a door leaf within a door frame. Adjustments may be needed due to poor installation or to overcome subsequent building movement which may cause door binding or lock misalignment. Traditionally, doors feature three or more hinges located on the hinging jamb of the frame.

APL's new ThermalHeart+[®] range requires only two adjustable hinges on an opening door leaf, which is beneficial for the following reasons:

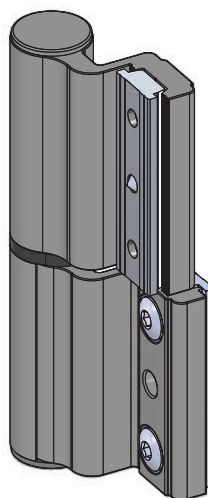
- Adjusting three or more hinges in unison can be difficult
- Long term durability is affected if the three (or more) hinge pins are not aligned in their final adjusted position
- Misalignment introduces tension into the hinges and can lead to early failure
- Utilising two hinges ensures accurate hinge pin alignment.

New hinge products designed for ThermalHeart+[®]



Rhino hinge

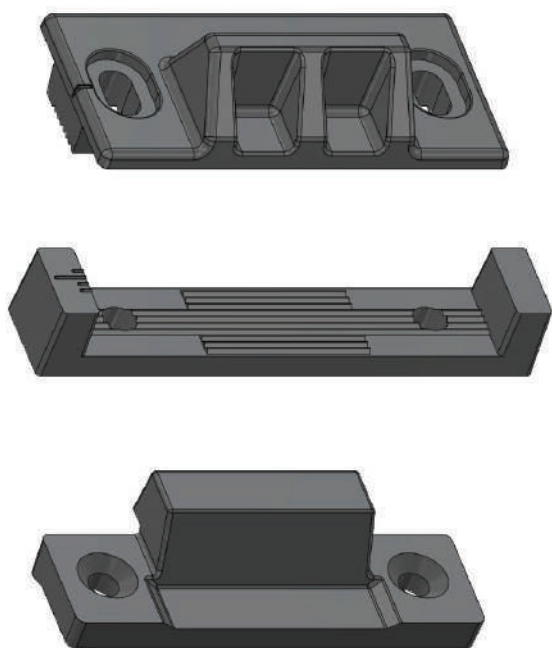
- A three-leaf flush hinge with a maximum door panel weight of 80kg
- Adjustment range is +/- 3mm vertically, and +/- 2.5mm horizontally
- The horizontal adjustment moves the hinge knuckles to a different position relative to each other
- The hinge is attached via self-tapping screws to the door frame and door panel
- The Rhino hinge includes Parliament options.



Monza Hinge

- A two-leaf flush hinge with a maximum door panel weight of 50kg
- Adjustment range is +/- 2mm vertically, +/- 2mm horizontally and for compression there is +/- 0.5mm available
- The hinge is attached via clamp plates to the groove features in the door frame and the door panel.

Hinges in ThermalHeart+[®] ranges



Snubbers

- Two adjustable hinges require the use of snubbers between the hinges
- Snubbers are catching mechanisms that hold the door panel onto the door jamb seal when closed to ensure water and airtightness is maintained
- Snubbers are positioned equally (one or more) between the top and bottom hinges
- Snubbers are not affected by hinge adjustment.

